

---- File information ----- File: to mike.doc

Date: 3 Jan 1999,16:51

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Attachment Converted:c:\eudora\attach\to mike.doc

From: Sent: To

Subject:

<x-flowed> Dear All,

Michael E. Mann <mann@multiproxy.evsc.virginia.edu> Tuesday, April 24, 2001 12:09 PM

tom crowley; Ray Bradley; mhughes@lrr.arizona.edu; Jonathan Overpeck;

mann@virginia.edu land surface

Thought you'd be interested in the latest coming out of the LLNL group, apropos to the discussions we had in Charlottesville... mike

Professor Michael E. Mann

Department of Environmental Sciences, Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137

<http://www.evsc.virginia.edu/faculty/people/mann.shtml>

</x-flowed>

Attachment Converted: "C:\WINDOWS\DESKTOP\Attach\lInl-rpp042301.txt"

From: Sent: To:

Subject:

ComDig Subscriptions <gxm21@psu.edu> Monday, March 19, 2001 12:12 PM gxm21@psu.edu

Complexity Digest 2001.12

<x-html>

<htmlxmlns:v="urn:schemas-microsoft-com:vml" xmlns:o="urn:schemas-microsoft-com:office:office" xmlns:w="urn:schemas-microsoft-com:office:word" xmlns="http://www.w3.org/TR/REC-htm140">

<head>

<meta http-equiv=Content-Type content="text/html; charset=iso-8859-1">

<meta name=ProgId content=Word.Document>

<meta name=Generator content="Microsoft Word 9">

<meta name=Originator content="Microsoft Word 9">

<link rei=File-List href="cid:filelist.xmi@01COBOEB.68090A80">

<link rei=Edit-nme-Data href="cid:editdata.mso@01COBOEB.68090A80">

<!--[if !mso]>

<style>

v\:\* {behavior:url(#default#VML);} o\:\* {behavior:url(#default#VML);} w\:\* {behavior:url(#default#VML);}

.shape {behavior:url(#default#VML);}

</style>

<![endif]--><!--[if gte mso 9]><xml>

<o:OfficeDocumentSettings>

<o:DoNotRelyOnCSS/>

<o:TargetScreenSize>640x480</o:TargetScreenSize>

</o:OfficeDocumentSettings>

</xml><![endif]--><!--[if gte mso 9]><xml>

<w:WordDocument>

<w:View>Normal</w:View>

<w:Zoom>O</w:Zoom>  
<w:DocumentKind>DocumentEmail</w:DocumentKind>  
<w:EnvelopeVis/>  
<w:DisplayHorizontalDrawingGridEvery>O</w:DisplayHorizontalDrawingGridEvery>  
<w:DisplayVerticalDrawingGridEvery>O</w:DisplayVerticalDrawingGridEvery>  
<w:UseMarginsForDrawingGridOrigin/>  
<w:Compatibility>  
<w:FootnotelayoutlikeWW8/>  
<w:ShapelayoutlikeWW8/>  
<w:AiignTablesRowByRow/>  
<w:ForgetlastTabAiignment/>  
<w:DoNotUseHTMLParagraphAutoSpacing/>  
<w:LayoutRawTableWidth/>  
<w:LayoutTableRowsApart/>  
</w:Compatibility>  
</w:WordDocument>  
</xml><![endif]-->

<style>

<!--

/\* Style Definitions •I

p.MsoNormal, li.MsoNormal, div.MsoNormal

{mso-style-parent:"";

margin:0in;

margin-bottom:.0001pt;

mso-pagination:widow-orphan;

font-size:10.0pt;

font-family:"Times New Roman";

mso-fareast-font-family:"Times New Roman";}

a:link, span.MsoHyperlink

```
{color:blue;
text-decoration:underline;
text-underline:single;}
a:visited, span.MsoHyperlinkFollowed
{color:blue;
text-decoration:underline;
text-underline:single;}
p.MsoAutoSig, li.MsoAutoSig, div.MsoAutoSig
{margin:0in;
margin-bottom:.0001pt;
mso-pagination:widow-orphan;
font-size:10.0pt;
font-family:"Times New Roman";
mso-fareast-font-family:"Times New Roman";}
```

p

address

{margin-right:0in;  
mso-margin-top-alt:auto;  
mso-margin-bottom-alt:auto;  
margin-left:0in;  
mso-pagination:widow-orphan;  
font-size:12.0pt;  
font-family:"Times New Roman";  
mso-fareast-font-family:"Times New Roman";}

{margin:0in;  
margin-bottom:.0001pt;  
mso-pagination:widow-orphan;  
font-size:12.0pt;  
font-family:"Times New Roman";  
font-style:italic;}

span.EmailStyle20

{mso-style-type:personal; mso-ansi-font-size:10.0pt; mso-ascii-font-family:Arial; mso-hansi-font-family:Arial; mso-bidi-font-family:Arial; color:black;}

span.EmailStyle21

{mso-style-type:personal;  
mso-ansi-font-size:10.0pt;

mso-ascii-font-family:Arial; mso-hansi-font-family:Arial; mso-bidi-font-family:Arial; color:navy;}

span.EmailStyle22

{mso-style-type:personal mso-ansi-font-size:10.0pt; mso-ascii-font-family:Arial; mso-hansi-font-family:Arial; mso-bidi-font-family:Arial; color:#993366;}

span.Email Style23

{mso-style-type:personal; mso-ansi-font-size:10.0pt; mso-ascii-font-family:Arial; mso-hansi-font-family:Arial; mso-bidi-font-family:Arial; color:#003300;}

span.EmailStyle24

{mso-style-type:personal-reply;

mso-ansi-font-size:10.0pt; mso-ascii-font-family:Arial; mso-hansi-font-family:Arial; mso-bidi-font-family:Arial; color:olive;}

@page Section1

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margin:1.0in 1.25in 1.0in 1.25in;

mso-header-margin:.5in; mso-footer-margin:.5in; mso-paper-source:O;}

div.Section1

{page:Section1;}

/\* List Definitions \*/

@list 10

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mso-list-type:hybrid;

mso-list-template-ids:55373138 -407204836 -1376750758 -549138856 -1840593056 1460699678 402264650 -  
721650 -868974596 1998073736;}

@list IO:level1

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mso-level-text:\FOB7;

mso-level-tab-stop:.5in;

mso-level-number-position:left;

text-indent:-.25in;

mso-ansi-font-size:10.0pt;

font-family:Symbol;}

@list 11

{mso-list-id:13728685;

mso-list-type:hybrid;

mso-list-template-ids:-573562524 1010049866 1249931610 -25164494 -1433101964 -2044192156 -660068206

-

1345543680 2134288858 -1542575580;}

@list ll:levell

{mso-level-number-format:bullet;

mso-level-text:\FOB7;

mso-level-tab-stop:.Sin;

mso-level-number-position:left;

text-indent:-.25in;

mso-ansi-font-size:lO.Opt;

font-family:Symbol;}

@list 12

{mso-list-id:37362775;

mso-list-type:hybrid;

mso-list-template-ids:-1303592486 19679466981926923812 -1755173726-18193999621143869858-

981203370 1509866918 545668446 -1481981190;}

@list 12:level1

{mso-level-number-format:bullet;

mso-level-text:\FOB7;

mso-level-tab-stop:.Sin;

mso-level-number-position:left;

text-indent:-.25in;

mso-ansi-font-size:10.0pt;

font-family:Symbol;}

@list 13

```
{mso-list-id:81996131;  
mso-list-type:hybrid;  
mso-list-template-ids:-355018770 1553898608 620121804 1135388854-563949584 -438904334 -1341899022  
372913270 -344843628 129290924;}
```

@list 13:level1

```
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mso-level-text:\FOB7;  
mso-level-tab-stop:.Sin;  
mso-level-number-position:left;  
text-indent:-.25in;  
mso-ansi-font-size:10.0pt;  
font-family:Symbol;}
```

@list 13:level2

```
{mso-level-number-format:bullet;  
mso-level-text:o;  
mso-level-tab-stop:.Oin;  
mso-level-number-position:left;  
text-indent:-.25in;  
mso-ansi-font-size:10.0pt;  
font-family:"Courier New";  
mso-bidi-font-family:"Times New Roman";}
```

@list 14



{mso-list-id:175461622;  
mso-list-type:hybrid;  
mso-list-template-ids:13411368461716257692 -1326709988 -1131776996 -8725173961911207398-  
1321860884 -933578836 -669480870 -2019680326;}

@list l4:level1

{mso-level-number-format:bullet;  
mso-level-text:\FOB7;  
mso-level-tab-stop:.Sin;

@list IS

mso-level-number-position:left;  
text-indent:-.25in;  
mso-ansi-font-size:10.0pt;  
font-family:Symbol;}

{mso-list-id:209611617;  
mso-list-type:hybrid;  
mso-list-template-ids:-2057519990 2072162690 1512201942 -1881136672 -64081460 -807524482  
1574238602

-574820218 245789636 -1659444120;}

@list 15:level1

{mso-level-number-format:bullet;

mso-level-text:\FOB7;

mso-level-tab-stop:.Sin;

mso-level-number-position:left;

text-indent:-.25in;

mso-ansi-font-size:10.0pt;

font-family:Symbol;}

@list 16

{mso-list-id:273826960;

mso-list-type:hybrid;

mso-list-template-ids:1013358172 -1723415768 2108225604 -760289782 -1110027084 -754412336

1799507376-1356943238 -1218656714-1500330420;}

@list 16:level1

{mso-level-number-format:bullet;

mso-level-text:\FOB7;

mso-level-tab-stop:.Sin;

mso-level-number-position:left;

text-indent:-.25in;

mso-ansi-font-size:10.0pt;

font-family:Symbol;}

@list 17

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282025062

-637629358 -1639547970 -1916082042;}

@list 17:level1

{mso-level-number-format:bullet;

mso-level-text:\FOB7;

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text-indent:-.25in;

mso-ansi-font-size:10.0pt;

font-family:Symbol;}

@list 18

{mso-list-id:303125078;

mso-list-type:hybrid;

mso-list-template-ids:36483092 2032696992 892626406 -1346762810 1919448382 931720908 -781400856 -

1449759870 -124462198 -876294724;}

@list 18:level1

{mso-level-number-format:bullet;

mso-level-text:\FOB7;

mso-level-tab-stop:.5in;

@list 19

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text-indent:-.25in;  
mso-ansi-font-size:10.0pt;  
font-family:Symbol;}

{mso-list-id:413819911;

mso-list-type:hybrid;

mso-list-template-ids:1618803692 365040716 631770578-1596008016 -1309376746 -284261408 -2011507074

1087277536 -362358320 -1669063842;}

@list 19:level1

{mso-level-number-format:bullet;  
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mso-level-tab-stop:.5in;  
mso-level-number-position:left;  
text-indent:-.25in;  
mso-ansi-font-size:10.0pt;  
font-family:Symbol;}

@list 110

{mso-list-id:439299784;

mso-list-type:hybrid;

mso-list-template-ids:-895570708 1267515396 -400420632 -387012332 328643942 -1418005056 1721014454  
459315544 1313919024 1029309340;}

@list 110:level1

{mso-level-number-format:bullet;

mso-level-text:\FOB7;

mso-level-tab-stop:.Sin;

mso-level-number-position:left;

text-indent:-.25in;

mso-ansi-font-size:10.0pt;

font-family:Symbol;}

@list 111

{mso-list-id:S52430296;

mso-list-type:hybrid;

mso-list-template-ids:2057446894 -1489310546 -2065243684 1339350360 133169884 66481246 -598317848 -  
2113344518 2022898600 -266685652;}

@list 113:level1

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mso-level-text:\FOB7;

mso-level-tab-stop:.Sin;

mso-level-number-position:left;

text-indent:-.25in;

mso-ansi-font-size:10.0pt;

font-family:Symbol;}

@list 112

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mso-list-type:hybrid;

mso-list-template-ids:-648118440 -198297868 2030463862 795123254 560767082 1966633222 -2101691180-  
8663566061817605788-102430735}

@list 112:level1

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mso-level-text:\FOB7;

mso-level-tab-stop:.Sin;

mso-level-number-position:left;

text-indent:-.2Sin;

mso-ansi-font-size:10.0pt;

font-family:Symbol;}

@list 113

{mso-list-id:644623621;

mso-list-type:hybrid;

mso-list-template-ids:-1931557492 683474034 1075638776 1878586610-1444274598 -1383539406  
1886306318 -2139863184-13751538 1089124790;}

@list 113:level1

{mso-level-number-format:bullet;

mso-level-text:\FOB7;

mso-level-tab-stop:.Sin;

mso-level-number-position:left;

text-indent:-.25in;

mso-ansi-font-size:10.0pt;

font-family:Symbol;}

@list 114

{mso-list-id:691881764;

mso-list-type:hybrid;

mso-list-template-ids:161516458 1539471294 397864302 1274691332 -533269830 1241388580 -711174658-  
1968253736 -303677600 -1795028220;}

@list 115

{mso-list-id:920408031;

mso-list-type:hybrid;

mso-list-template-ids:-445758318 -301985704 1507873070 -483992810 1519968338 1838349196 -603800390-  
555313038 -46747038 -594612640;}

@list 115:level1

{mso-level-number-format:bullet;  
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text-indent:-.25in;  
mso-ansi-font-size:10.0pt;  
font-family:Symbol;}

@list 116

{mso-list-id:949317144;  
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mso-list-template-ids:-914701262 1410597642 227674904 -35638240 192046040 -746564624 2053430242  
330492326 830352234 49199554;}

@list 116:level1

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text-indent:-.25in;  
mso-ansi-font-size:10.0pt;  
font-family:Symbol;}

@list 117

{mso-list-id:1062949610;  
mso-list-type:hybrid;  
  
mso-list-template-ids:752642700 108026864-1620289444 1425161414-893733682 -938043662 1449969044  
830253156 2106225734 363350644;}

@list 117:level1

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text-indent:-.25in;  
mso-ansi-font-size:10.0pt;  
font-family:Symbol;}  
  
@list 118  
{ mso-list-id:1098673338;  
mso-list-type:hybrid;  
mso-list-template-ids:-740625084 -1183260442 -1928940658-1147269316-981926118 1230510258-  
824259164-9039671609190405023121219 }  
  
@list 118:level1  
{ mso-level-number-format:bullet;  
mso-level-text:\FOB7;  
mso-level-tab-stop:.5in;  
mso-level-number-position:left;  
text-indent:-.25in;  
mso-ansi-font-size:10.0pt;  
font-family:Symbol;}  
  
@list 119  
{ mso-list-id:1100879928;  
mso-list-type:hybrid;  
mso-list-template-ids:-1179487934 -1861189942 -2007877408 935490912 1689711046 -357798808  
1310464934 2494711178 -212950050 663288368;}  
  
@list 119:level1  
{ mso-level-number-format:bullet;  
mso-level-text:\FOB7;  
mso-level-tab-stop:.5in;  
mso-level-number-position:left;  
text-indent:-.25in;  
mso-ansi-font-size:10.0pt;



font-family:Symbol;}

@list 120

{mso-list-id:1176454062;

mso-list-type:hybrid;

mso-list-template-ids:1779081914 1575931914 -840135884 -899502462 709395502 1020823352 -1951240

740997062 -967654798 1234837778;}

@list 120:level1

{mso-level-number-format:bullet;

mso-level-text:\FOB7;

mso-level-tab-stop:.5in;

mso-level-number-position:left;

text-indent:-.25in;

mso-ansi-font-size:10.0pt;

font-family:Symbol;}

@list 121

{mso-list-id:1195579571;

mso-list-type:hybrid;

mso-list-template-ids:1899555146 2029843068 978121006 499259220 1717620344 1968327902 1813381702

2040017412 1331036450 -779169602;}

@list 121:feve f1

{mso-fevef-number-format:bullet;

mso-level-text:\FOB7;

mso-level-tab-stop:.5in;

mso-level-number-position:left;

text-indent:-.25in;

mso-ansi-font-size:10.0pt;

font-family:Symbol;}

@list 122

{mso-list-id:1200119926;

mso-list-type:hybrid;

mso-list-template-ids:-1370595800 -1990934330 390095198 -1353253322 -151214032 -1387781824  
325583680

-112959876 1274293598 -264055724;}

@list 123

{mso-list-id:1290237857;

mso-list-type:hybrid;

mso-list-template-ids:1084667004 -1702614398 520134192 234285152 1477886282 -764368374 -364970714  
906516440 1456218518 -224897924;}

@list 123:level1

{mso-level-number-format:bullet;

mso-level-text:\FOB7;

mso-level-tab-stop:.5in;

mso-level-number-position:left;

text-indent:-.25in;

mso-ansi-font-size:10.0pt;

font-family:Symbol;}

@list 1 24

{mso-list-id:1334146371;

mso-list-type:hybrid;

mso-list-template-ids:-1044054574 -325817672 -1684874204 143803318 389312742 -913831514 1841589072  
982288520 1926160690 -1057998778;}

@list 124:level1

{mso-level-number-format:bullet;

mso-level-text:\FOB7;

mso-level-tab-stop:.5in;

mso-level-number-position:left;

text-indent:-.25in;

mso-ansi-font-size:10.0pt;

font-family:Symbol;}

@list 125

{mso-list-id:1462453991;  
mso-list-type:hybrid;  
mso-list-template-ids:-1160988990 -1271231380 2032538648 1423624876 -1459713114 -44431206  
900876222

-1263135028183953000 -117409953 }

@list 125:level1

{mso-level-number-format:bullet;

mso-ansi-font-size:10.0pt;

font-family:Symbol;}

@list 126

{mso-list-id:1507867242;

mso-list-type:hybrid;

mso-list-template-ids:1185180594 -69407444 1826494392 1874654952 -387936918 -1804282806 -  
1267827164

-1599939016-1784252136 -133791100;}

@list 126:level1

{mso-level-number-format:bullet;

mso-level-text:\FOB7;

mso-level-tab-stop:.5in;

mso-level-number-position:left;

text-indent:-.25in;

mso-ansi-font-size:10.0pt;

font-family:Symbol;}

@list 127

{mso-list-id:1681664471;

mso-list-type:hybrid;

mso-list-template-ids:-1100854266 -141649416 1862956140-617192192 1340665844 714485228 1062530274  
903509108 -538174316 -454538264;}

@list 127:level1

{mso-level-number-format:bullet;

mso-level-text:\FOB7;  
mso-level-tab-stop:.5in;  
mso-level-number-position:left;  
text-indent:-.25in;  
mso-ansi-font-size:10.0pt;  
font-family:Symbol;}  
@list 128  
{mso-list-id:1695423017;  
mso-list-type:hybrid;  
mso-list-template-ids:2000459412 499405534 1924836434 1541172780 611092834 -622061318 2046480318  
817690952 -367215320 1401186388;}  
@list 1 28:level1  
{mso-level-number-format:bullet;  
mso-level-text:\FOB7;  
mso-level-tab-stop:.5in;  
mso-level-number-position:left;  
text-indent:-.25in;  
mso-ansi-font-size:10.0pt;  
font-family:Symbol;}  
@list 129  
{mso-list-id:1778939949;  
mso-list-type:hybrid;  
mso-list-template-ids:1581258952 501242470-2031846434-1709542966 -789962018 665759598 -1247398586  
525523756-1555294980159043083}  
@list 129:level1  
{mso-level-number-format:bullet;  
  
mso-ansi-font-size:10.0pt;  
font-family:Symbol;}  
@list 130

{mso-list-id:1855459419;  
mso-list-type:hybrid;  
mso-list-template-ids:1567009882 1917610418 1377592798 1867572648 516213298 -1924479486 -  
781784216  
2131526172 366800980 1729510816;}  
@list 130:level1  
{mso-level-number-format:bullet;  
mso-level-text:\FOB7;  
mso-level-tab-stop:.5in;  
mso-level-number-position:left;  
text-indent:-.25in;  
mso-ansi-font-size:10.0pt;  
font-family:Symbol;}  
@list 131  
{mso-list-id:1926302595;  
mso-list-type:hybrid;  
mso-list-template-ids:-1099634408 -921154720 -111895002 -1530629180 -1688583262 32786782 639165594  
-  
1881137714 -1401268000 572266362;}  
@list 131:level1  
{mso-level-number-format:bullet;  
mso-level-text:\FOB7;  
mso-level-tab-stop:.5in;  
mso-level-number-position:left;  
text-indent:-.25in;  
mso-ansi-font-size:10.0pt;  
font-family:Symbol;}  
@list 132  
{mso-list-id:2067337577;  
mso-list-type:hybrid;  
mso-list-template-ids:796276648 -1457479868 1681946926 -2142711240 941271144 502956446 -9509098-

616902432 -617964058 766810132;}

@list 133

{mso-list-id:2072266633;

mso-list-type:hybrid;

mso-list-template-ids:1269436338 1860238328 -466424066 761573014 1599605018-1344909878 -  
1342389568

-1236137752 361791670 1562678192;}

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<address><b><i><font size=2 color=black face="Times New Roman"><span style='font-size:10.0pt;color:black;font-weight:bold'>Archive:</span></font></i></b><font size=2 color=black><span style='font-size:10.0pt;color:black'>&nbsp;</span></font><font color=black><span style='color:black'><a href="http://www.comdig.org"><span style='mso-bidi-font-size:10.0pt'>www.comdig.org</span></a></span></font><font size=2 color=black><span style='font-size:10.0pt;color:black'>,<b><span style='font-weight:bold'>European Mirror:</span></b>&nbsp;</span></font><font color=black><span style='color:black'><a href="http://www.comdig.de"><span style='mso-bidi-font-size:10.0pt'> www.comdig.de</span></a></span></font><font color=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></address>

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<p><i><font size=2 color="#d10150" face="Times New Roman"><span style='font-size:10.0pt;color:#D10150;font-style:italic'>&quot;l think the next century will be the century of complexity.&quot;Stephen Hawking</span></font></i><i><font

size=2 color=fuchsia><span style='font-size:10.0pt;color:fuchsia;font-style:  
italic'> </span></font></i><font color=black><span style='color:black;  
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style='font-weight:

bold'>Brain's Recuperative Powers May Be Greater Than Previously Thought</span></b></a><b><span  
style='font-weight:bold'>,</span></b> Rutgers U/Science Daily <font

color=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></li>

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l1fo3;tab-stops:list l1.Oin'><a href="http://www.comdig.de/#1.1" target=main><b><span style='font-weight:  
bold'>Neurogenesis In The Adult Is Involved In The Formation Of Trace Memories</span></b></a>,<span  
<font color=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></li>

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style='font-weight:bold'>The Increasingly Plastic, Hormone-Responsive Adult Brain</span></b></a>



PNAS <font color=black><span style==color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></li>

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Nature <font color=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></li>

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mso-list:l14 level1l1fo3;tab-stops:list .Sin'><a href=="http://www.comdig.de/#4" target=main><b><span style==font-weight: bold'>Hand Morphology, Manipulation, And Tool Use In Neandertals And Early Modern Humans</span></b></a><b><span style==font-weight:bold'>,</span></b></li>

PNAS <font color==black><span style==color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></li>

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Nature <font color=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></li>

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<font color=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></li>

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bold'>All Together Now?</span></b></a><b><span style:::'font-weight:bold'>, </span></b> Science

<font color:::black><span style:::'color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></li>

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href:::" http://www.comdig.de/#7.1" target:::main><b><span style='font-weight: bold'>Synchronous Tropical South China Sea SST Change And Greenland Warming During Deglaciation,</span></b></a><b><span style='font-weight: bold'> </span></b> Science <font color=black><span style='color:black;

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Nature <font color=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></li>

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mso-list:l14 levellfo3;tab-stops:list .Sin'><a href="http://www.comdig.de/#9" target:::main><b><span style='font-weight: bold'>Temporal Coding of Contrast in Primary Visual Cortex: When, What,

and Why,</span></b></a> J. Neurophysiol. <font color=black><span

style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></li>

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mso-list:l14 levellfo3;tab-stops:list .Sin'><a href="http://www.comdig.de/#10" target=main><b><span style='font-weight: bold'>Functioning Of The Rat Circadian System Modified By Light Applied In

Critical Postnatal Days</span></b></a><b><span style='font-weight:bold'>,</span></b>

AJP: Regu <font color=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></1 i>

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mso-list:l14 levellfo3;tab-stops:list .Sin'><a href="http://www.comdig.de/#11" target=main><b><span style='font-weight: bold'>CCK-A Receptor Antagonist,Stimulates Calorie Intake And Hunger

Feelings In Humans</span></b></a><b><span style='font-weight:bold'>,</span></b>AJP:

Regu <font color=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></li>

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mso-list:l14 levellfo3;tab-stops:list .Sin'><a href="http://www.comdig.de/#12" ta rget=main><b><span style='font-weight: bold'>Defibrillation Efficacy and Quantification of Activation Patterns in

a Canine Heart Failure Model,</span></b></a> Circulation <font

color=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></li>

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mso-list:l14 levellfo3;tab-stops:list .Sin'><a

href="http://www.comdig.de/#13" target=main><b><span style='font-weight:

bold'>Piasticity OfThe Frequency Map In Specialized And Nonspecialized

Auditory Cortices</span></b></a><b><span style='font-weight:bold'>,</span></b>

PNAS <font color=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></li>

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[\*\*Neural Fate Of Seen And Unseen Faces In Visuospatial Neglect,\*\*](http://www.comdig.de/1#14)

PNAS

[\*\*Using Three-Dimensional Microfluidic Networks For Solving Computationally Hard Problems,\*\*](http://www.comdig.de/#15) PNAS

[\*\*The Small-World of Human language\*\*](http://www.comdig.de/#16) **SFI Working Papers**

[\*\*Dyslexia:Same Brains, Different languages\*\*](http://www.comdig.de/#17) **Science**

[\*\*Dyslexia:Cultural Diversity and Biological Unity\*\*,](http://www.comdig.de/#17.1) **Science**

[\*\*CulturalInfluences on Reading,\*\*](http://www.comdig.de/#17.2) **Science**

[\*\*Dyslexia Study Highlights Impact Of English,French, And Italian\*\*](http://www.comdig.de/#17.3)

**Writing Systems** **AAAS/Science**

**Daily**

[\*\*Effect Of Total Sleep Deprivation On The Dimensional Complexity Of The Waking EEG\*\*](http://www.comdig.de/#18)

Sleep

[\*\*Unks & Snippets\*\*](http://www.comdig.de/#19)

-

[\*\*Announcements\*\*](http://www.comdig.de/#19.1)

[\*\*NBER Working Papers\*\*](http://www.comdig.de/#19.2)

[\*\*Other Papers\*\*](http://www.comdig.de/#19.3)

[\*\*Pub Alert\*\*](http://www.comdig.de/#19.4)

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</span></font></div>

<p><b><font size=3 color=black face="Times New Roman"><span style='font-size:

12.0pt;color:black;font-weight:bold'>1.Brain's Recuperative Powers May Be

Greater Than Previously Thought,</span></font></b><font color=black><span style='color:black'> Rutgers  
U/Science Daily</span></font><font color=black><span

style='color:blackm;

so-color-alt:windowtext'><o:p></o:p></span></font></p>

<p class=MsoNormal style='margin-right:.5in;mso-margin-top-alt:auto;mso-margin-bottom-alt:

auto;margin-left:.5in'><font size=2 color=black face="Times New Roman"><span style='font-  
size:10.0pt;color:black'>Contrary to long-held popular belief,our brains may not only produce new brain cells  
or neurons throughout life, but the newly generated neurons quickly become involved in the formation of new  
memories &#8211; a fact that may have positive implications for the recuperative

powers of our own brains when damaged by stroke or other disease or trauma. </span></font><font  
color=black><span style='color:black;mso-color-alt:window text'><o:p></o:p></span></font></p>

<p style='margin-right:.5in;margin-left:.5in'><font size=3 color=black face="Times New Roman"><span  
style='font-size:12.0pt;color:black'>In a study published today in the March 15 issue of the journal Nature,  
Rutgers psychology professor Tracey J. Shors and Princeton psychology professor Elizabeth Gould found that  
newly generated neurons in the hippocampus area of animal brains

help form new memories.</span></font><font color=black><span style='color:black;

mso-color-alt:windowtext'><o:p></o:p></span></font></p>

face="Times New Roman">believed,scientists in recent years have learned that the brains  
of vertebrate animals, a category ranging from amphibians to humans, continue to produce new neurons  
throughout life. What was not known was whether the  
newly generated cells are actively involved in memory formation.</span></font><font  
color=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></p>

face="Times New Roman">thousands of neurons produced daily in the hippocampus area of rat brains, an area that controls a form of  
memory known as trace conditioning, in which the animal must learn to associate stimuli that  
are separated in time. The researchers discovered that when they reduced the production of new hippocampus  
cells via a drug inhibitor, the rats were no longer able to form certain types of new  
memories.</span></font><font  
color=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></p>

face="Times New Roman">hippocampus neurons remained functionally intact. On the other hand, when the researchers stopped  
administering the drug inhibitor,thus  
restoring the hippocampus area's ability to generate new cells,the ability to  
acquire trace memories was also restored.</span></font><font color=black><span style='color:black;mso-  
color-alt:windowtext'><o:p></o:p></span></font></p>

week to two weeks after they are generated and they are involved in memories normally  
handled by the hippocampus,&quot; says Shors.</span></font><font color=black><span  
style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></p>







&nbsp;

**2. The Increasingly Plastic, Hormone-Responsive Adult Brain**, PNAS

*Excerpt:* By 1949, Donald Hebb

<http://www.pnas.org/cgi/content/full/98/6/#B1>

persuasively described how the behavioral plasticity we see in adult animals, such as that exemplified in learning and memory, could be accomplished, in theory, by simply changing the strength of existing synapses, without any rewiring of the circuits. But it has become clear that, in fact, synaptic connections come and go even in the adult brain, and that our snapshot views of the brain at a single point in time may be missing the point.

**Roman**

**The Increasingly Plastic, Hormone-Responsive Adult**

**S. Marc Breedlove, Cynthia L. Jordan**, PNAS 2001;98 2956-2957



[\*\*Some Choose To lose Memory\*\*](http://www.nature.com/nsu/010315/010315-10.html)  
Helen Pearson, Nature Science update,  
01/03/15

&nbsp;

**3.1 Suppressing Unwanted Memories By  
Executive Control**  
Nature

*Excerpt:* When people  
encounter cues that remind them of an unwanted memory and they consistently try  
to prevent awareness of it, the later recall of the rejected memory becomes more difficult. The forgetting  
increases with the number of times the memory is avoided, resists incentives for accurate recall and is caused by  
processes that suppress the memory itself. These results show that executive control processes  
not uniquely tied to trauma may provide a viable model for repression.

·

[\*\*Suppressing Unwanted Memories By Executive Control\*\*](http://www.nature.com/nlink/v410/n6826/abs/410366aO_fs.html), M C Anderson, C Green, Nature 410,366 - 369 (2001)

&nbsp;

**4. Hand Morphology, Manipulation, And Tool**

Use In Neandertals And Early Modern Humans Of The Near East, PNAS

*Excerpt: A hand better*

sited to oblique power grips as found by Niewoehner ([\*6\*](http://www.pnas.org/cgi/content/fuii/98/6/#B6)),

and a greater use of hafting, are not in themselves adaptive innovations sufficient to have given modern humans a competitive edge over indigenous archaic populations. Rather, these differences are likely part of an emerging modern human adaptive system that involved greater use of task-specific tools, more complex composite tools, greater planning depth and logistical complexity to foraging, and increased social complexity ([\*10\*](http://www.pnas.org/cgi/content/fuii/98/6/#BIO)).

*[if !supportlists]*



Paleolithic humans, not Neanderthals. Furthermore, the Skhul/Qafzeh sample differs significantly from the Neanderthals in many other aspects of hand functional anatomy. Given the correlations between changes in tool technologies and functional adaptations seen in the hands of Upper Paleolithic humans, it is concluded that the Skhul/Qafzeh hand remains were adapted to Upper Paleolithic-like manipulative repertoires. These results support the inference

of significant behavioral differences between Neanderthals and the Skhul/Qafzeh

hominids and indicate that a significant shift in human manipulative behaviors

was associated with the earliest stages of the emergence of modern humans.

[\*\*Behavioral Inferences From The Skhul/Qafzeh Early\*\*](http://www.pnas.org/cgi/content/abstract/98/6/2979)

**Modern Human Hand Remains**, Wesley A. Niewoehner, PNAS 2001:98:

2979-2984.

**S. Hungry Primates See Red,**

**Nature**

*Excerpt: The*

three-colour- 'trichromatic'- vision that allows us to tell red from green,

may have helped our primate ancestors select the most tender,tasty leaves in

the jungle (&#8230;).

*Studying primates' food preferences in the Kibale National Park in*

Uganda, Nathaniel Dominy and Peter Lucas found that three-colour vision is only

crucial for choosing tender leaves. For the past 100 years or so, the

prevailing wisdom has been that trichromatic vision endured because it allowed primates to spot fruit high in a green canopy.

*Symbol*

[\*\*Hungry Primates See Red\*\*](http://www.nature.com/nsu/010315/010315-ll.html), Tom Clarke, Nature

Science update, 01/03/08



12.0pt;color:black;font-weight:bold>S.El cological Importance Of Trichromatic Vision To Primates, Nature 410,363- 366 (2001)

<p class=MsoNormal style='margin-right:.5in;mso-margin-top-alt:auto;mso-margin-bottom-alt:auto;margin-left:.5in'><i>Excerpt: Here we show

that four trichromatic primate species in Kibale Forest, Uganda, eat leaves

that are colour discriminated only by red-greenness, a colour axis correlated with high protein levels and low toughness. Despite their divergent digestive systems, these primates have no significant interspecific differences in leaf colour selection. In contrast, eaten fruits were generally discriminated from mature leaves on both red-green and yellow-blue channels and also by their luminance, with a significant difference between chimpanzees and monkeys in fruit colour choice.

<p class=MsoNormal style='margin-right:2.0in;mso-margin-top-alt:auto;

mso-margin-bottom-alt:auto;margin-left:2.0in;text-indent:-.25in;mso-list:l8 level1fo28; tab-stops:list .5in'><table border=1><tr><td><b>Ecological Importance Of Trichromatic

Vision To Primates, Nathaniel J. Dominy, Peter W. Lucas, Nature 410,363- 366 (2001)

<p><b>6. The Enemy Of My Enemy Is My Ally,

Science

<p><b>6. The Enemy Of My Enemy Is My Ally,

Science

<p class=MsoNormal style='margin-right:.5in;mso-margin-top-alt:auto;mso-margin-bottom-alt:

The Kessler and Baldwin results strongly support the notion that herbivore-induced plant volatiles not only deter

herbivores but also attract predators that act as bodyguards.

Kessler and Baldwin estimate that luring predators and repelling herbivores results in about a 90% reduction in the number of herbivorous insect eggs laid on volatile-treated tobacco leaves. Of course, it is not the eggs themselves but rather the insect larvae that induce plants to release volatiles, and so plants will attract predators only after the eggs have hatched.

**The Enemy Of My Enemy Is My Ally,** M. W. Sabelis, A. Janssen, M. R. Kant, Science 2001291:2104-2105.

6.1 Calling in Your Allies,

Science



attack is known to increase the emission of volatiles, which attract predators to herbivore-damaged plants in the laboratory and agricultural systems. We quantified volatile emissions from *Nicotiana attenuata* plants growing in natural populations during attack by three species of leaf-feeding herbivores

and mimicked the release of five commonly emitted volatiles individually. Three compounds (cis-3-hexen-1-ol, linalool, and cis-β-bergamotene) increased egg predation rates by a generalist predator; linalool and the complete blend decreased lepidopteran oviposition rates. As a consequence, a plant could reduce the number of herbivores by more than 90% by releasing volatiles. These

results confirm that indirect defenses can operate in nature.

<http://www.sciencemag.org/cgi/content/abstract/291/5511/2141>

Defensive Function of

Herbivore-Induced Plant Volatile Emissions in Nature, Andre

7. All Together Now?, Science

Regional changes in climate during



Abstract: The tropical ocean plays a major role in global climate. It is therefore crucial to establish the precise

phase between tropical and high-latitude climate variability during past abrupt

climate events in order to gain insight into the mechanisms of global climate change. Here we present alkenone sea surface temperature (SST) records from the tropical South China Sea that show an abrupt temperature increase of at least

1°C at the end of the last glacial period. Within the recognized dating

uncertainties, this SST increase is synchronous with the Bølling warming observed at 14.6 thousand years ago in the Greenland Ice Sheet Project 2 ice core.

<http://www.sciencemag.org/cgi/content/abstract/291/5511/2132>, M. Kienast, S. Steinke, K. Stattegger, and S.E. Calvert, Science Volume 291,

Issue 5511, p. 2132, 01/03/16

**8. Pattern Formation: Instabilities In**

**Sand Ripples**, Nature

*Excerpt: Sand ripples*

are seen below shallow wavy water and are formed whenever water oscillates over

a bed of sand. Here we analyse the instabilities that can upset this perfect patterning when the ripples are subjected to large changes in driving amplitude or frequency, causing them to deform both parallel and transverse to their

crests. Our results reveal new pattern-forming instabilities in granular matter exposed to fluid flow with strong vorticity.

[Pattern Formation: Instabilities](http://www.nature.com/nlink/v410/n6826/abs/410324aO_fs.html)

In Sand Ripples, J Lundbek Hansen, M Van Heeke, A Haaning, C

Ellegaard, K Haste Andersen, T Bohr & T Sams, Nature 410, 324 (2001)

9. Temporal Coding of Contrast in Primary Visual Cortex: When, What, and Why, J. Neurophysiol.

Abstract: How do neurons in the primary visual cortex (V) encode the contrast of a visual stimulus? In this paper, the information that V responses convey about the contrast of static visual stimuli is explicitly calculated. These responses often contain several easily distinguished temporal components, which will be called latency, transient,

tonic, and off. Calculating the information about contrast conveyed in each component and in groups of components makes it possible to delineate aspects of the temporal structure that may be relevant for contrast

encoding. The results indicate that as much or more contrast-related information is encoded into the temporal structure of spike train responses as into the firing rate and that

the temporally coded information is manifested most strongly in the latency to response onset. Transient, tonic, and off responses contribute relatively

little. The results also reveal that temporal coding is important for distinguishing subtle contrast differences, whereas firing rates are useful for gross discrimination. This suggests that the temporal structure of neurons' responses may extend the dynamic range for contrast encoding in the primate visual system.

[\*\*Temporal Coding of Contrast in Primary Visual Cortex: When, What, and Why\*\*](http://jn.physiology.org/cgi/content/abstract/85/3/1039), J. Neurophysiol., Daniel S. Reich, Ferenc Mechler, Jonathan D. Victor, J. Neurophysiol. 2001

March 1; 85(3): p. 1039-1050

**10. Functioning Of The Rat Circadian**

**System Is Modified By light Applied In Critical Postnatal Days,** AJP: Regu



Abstract: Lighting

conditions influence biological clocks. The present experiment was designed to test the presence of a critical window of days during the lactation stage of

the rat in which light has a decisive role on the development of the circadian system. Rats were exposed to 4, 8, or 12 days of constant light (LL) during the first days of life. Their circadian rhythm was later studied under LL and constant darkness. The response to a light pulse was also examined. Results show that the greater the number of LL days during lactation, the stronger the rhythm under LL and the smaller the phase shift due to the light pulse. These

responses are enhanced when rats are exposed to LL days around postnatal day

12. A mathematical model was built to explain the responses of the circadian system with respect to the timing of LL during lactation, and we deduced that between postnatal days 10 to 20 there is a critical period of sensitivity to light; consequently, exposure to LL during this time modifies the circadian

organization of the motor activity.

[Functioning Of The Rat Circadian System Is Modified By Light Applied In Critical Postnatal Days](http://ajpregu.physiology.org/cgi/content/abstract/280/4/R1023),

AJP: Regu, M. M. Canai-Corretger, J. Vilaplana, T. Cambras, A. Diez-Noguera,

AJP: Regu 2001 April 1; 280(4): p. R1023-R1030

11. Loxiglumide, A CCK-A Receptor

Antagonist, Stimulates Calorie Intake And Hunger Feelings In Humans, **AJP: Regu**

*Abstract: Exogenous cholecystokinin (CCK) induces early satiety when infused into humans. Whether alimentary CCK (CCK-A) receptor blockade stimulates food intake in humans is, however, uncertain. The aim of the present investigation was, therefore, to*

*establish the effect of CCK -A receptor blockade on satiety and eating behavior in healthy volunteers. To further explore the role of endogenous CCK, the effects of the specific CCK-A receptor antagonist loxiglumide (Lox; 22 1-1 mol*

*kg<sup>-1</sup> h<sup>-1</sup>) on satiety and eating behavior were investigated in healthy men and*

*compared with saline infusions (as placebo) in a series of randomized, double-blind, placebo-*

*controlled, crossover studies. Lox produced a slight (7%), but not significant (P = 0.104), increase in food intake that was accompanied by a modest (10%), but significant (P < 0.004), increase in calorie intake. Fluid ingestion was not affected by Lox. Subjects experienced more hunger and delayed fullness during Lox infusion than during saline infusion (P < 0.05). This study provides further evidence that CCK is an*

*endogenous physiological satiety signal acting through CCK-A receptor-mediated mechanisms. Repeated-dose studies comparing hunger and satiety responses after CCK-A receptor blockade in healthy subjects and patients with eating disorders*

*may help clarify the possible involvement of endogenous CCK in these conditions.*

**Loxiglumide, A CCK-A Receptor**

**Antagonist, Stimulates Calorie Intake And Hunger Feelings In Humans**, **AJP: Regu**, Christoph Beglinger, Lukas Degen, Daniel Matzinger, Massimo D'Amato, Jurgen Drewe, **AJP: Regu** 2001 Apr; 128(4): p. R1149-R1154

**Loxiglumide, A CCK-A Receptor**

**Antagonist, Stimulates Calorie Intake And Hunger Feelings In Humans**, **AJP: Regu**, Christoph Beglinger, Lukas Degen, Daniel Matzinger, Massimo D'Amato, Jurgen Drewe, **AJP: Regu** 2001 Apr; 128(4): p. R1149-R1154

**Loxiglumide, A CCK-A Receptor**

<p style='margin-right:.Sin;margin-left:.Sin'><font size=3 color=black

face="Times New Roman"><span style='font-size:12.0pt;color:black'>&nbsp;</span></font><font color=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></p>

<p><b><font size=3 color=black face="Times New Roman"><span style='font-size:

12.0pt;color:black;font-weight:bold'>12. Defibrillation Efficacy and

Quantification of Activation Patterns in a Canine Heart Failure Model,</span></font></b><font color=black><span style='color:black'> Circulation</span></font><font

color=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></p>

<p class=MsoNormalstyle='margin-right:.Sin;mso-margin-top-alt:auto;mso-margin-bottom-alt:

auto;margin-left:.Sin'><i><font size=2 color=black face="Times New Roman"><span style='font-size:10.0pt;color:black;font-style:italic'>Background&#8212;little is known about the effects of heart failure (HF) on the defibrillation threshold

(OFT) and the characteristics of activation during ventricular fibrillation

(VF). </span></font></i><font color=black><span style='color:black;mso-color-alt:

windowtext'><o:p></o:p></span></font></p>

<p style='margin-right:.Sin;margin-left:.Sin'><i><font size=3 color=black face="Times New Roman"><span style='font-size:12.0pt;color:black;font-style: italic'>Methods and Results&#8212;HF was induced by rapid right ventricular (RV) pacing for at least 3 weeks in 6 dogs. Another 6 dogs served as controls.

Catheter defibrillation electrodes were placed in the RV apex, the superior vena cava, and the great cardiac vein (CV).An active can coupled to the

superior vena cava electrode served as the return for the RV and CV electrodes.

DFTs were determined before and during HF for a shock through the RV electrode with and without a smaller auxiliary shock through the CV electrode. VF

activation patterns were recorded in HF and control animals from 21x24 unipolar

electrodes spaced 2 mm apart on the ventricular epicardium. Using these recordings, we computed a number of quantitative VF descriptors. OFT was unchanged in the control dogs. OFT energy was increased 79% and 180% (with and without auxiliary shock,respectively} in HF compared with control dogs. During but not before

HF, DFT energy was significantly lowered (21%) by addition of the auxiliary

shock. The VF descriptors revealed marked VF differences between HF and control dogs.The differences suggest decreased excitability and an increased

refractory period during HF. Most, but not all, descriptors indicate that VF

was less complex during HF, suggesting that VF complexity is multifactorial and

cannot be expressed by a scalar quantity.

*Conclusions*; HF increases the DFT. This is partially reversed by an auxiliary shock. HF markedly changes VF activation patterns.

**[Improvement of Defibrillation Efficacy and Quantification of Activation Patterns During Ventricular](http://icirc.ahajournals.org/cgi/content/abstract/103/10/1473)**

**Fibrillation in a Canine Heart Failure Model** Jian Huang, Jack M. Rogers, Cheryl R. Killingsworth, Gregory P. Walcott, Bruce H. KenKnight, William M. Smith, Raymond E. Ideker, *Circulation* 2001;103(10):p.

1473-1478

**13. Plasticity Of The Cochleotopic (Frequency) Map In Specialized And Nonspecialized Auditory Cortices,** PNAS

Abstract: Auditory conditioning (associative learning) causes reorganization of the cochleotopic (frequency) maps of the primary auditory cortex (AI) and the inferior colliculus. Focal electric stimulation of the AI also evokes basically the same cortical and collicular reorganization as that caused by conditioning. Therefore, part of the neural mechanism for the plasticity of the central auditory system caused by conditioning can be explored by focal electric stimulation of the AI. The reorganization is due to shifts in best frequencies (BFs) together with shifts in frequency-tuning curves of single neurons. In the AI of the Mongolian gerbil (*Meriones unguiculatus*) and the posterior division of the AI of the mustached bat (*Pteronotus parnellii*), focal electric stimulation evokes BF shifts of cortical auditory neurons located within a 0.7-mm distance along the frequency axis. The amount and direction of BF shift differ depending on the relationship in BF between stimulated and recorded neurons, and between the gerbil and mustached bat. Comparison in BF shift between different mammalian species and between different cortical areas of a single species indicates that BF shift toward the BF of electrically stimulated cortical neurons (centripetal BF shift) is common in the AI, whereas BF shift

away from the BF of electrically stimulated cortical neurons (centrifugal BF shift) is special. Therefore, we propose a hypothesis that reorganization, and accordingly organization, of cortical auditory areas caused by associative learning can be quite different between specialized and nonspecialized

(ordinary) areas of the auditory cortex.

Plasticity Of The Cochleotopic (Frequency) Map In Specialized And Nonspecialized Auditory Cortices, Masashi Sakai Nobuo Suga, PNAS 2001;98 3507-3512

<http://www.pnas.org/cgi/content/abstract/98/6/3507>

Specialized And Nonspecialized Auditory Cortices, Masashi Sakai Nobuo Suga, PNAS 2001;98 3507-3512

Plasticity Of The Cochleotopic (Frequency) Map In Specialized And Nonspecialized Auditory Cortices, Masashi Sakai Nobuo Suga, PNAS 2001;98 3507-3512



## Neglect: A Combined Event-Related Functional MRI And Event-Related Potential

Study, Patrik Vuilleumier, Noam Sagiv, Eliot Hazeltine, Russel

A. Poldrack, Diane Swick, Robert D. Rafal, John D. E. Gabrieli, PNAS 2001;98

3495-3500

**15. Using Three-Dimensional Microfluidic Networks For Solving Computationally Hard Problems,** PNAS

*Abstract:* This paper

describes the design of a parallel algorithm that uses moving fluids in a three-dimensional microfluidic system to solve a nondeterministically polynomial complete problem (the maximal clique problem) in polynomial time. This algorithm relies on (i) parallel fabrication of the microfluidic system,

(ii) parallel searching of all potential solutions by using fluid flow, and

(iii) parallel optical readout of all solutions. This algorithm was implemented to solve the maximal clique problem for a simple graph with six vertices. The successful implementation of this algorithm to compute solutions for small-size graphs with fluids in microchannels is not useful, per se, but does suggest

broader application for microfluidics in computation and control.

[\*\*Using Three-Dimensional Microfluidic Networks For Solving Computationally Hard Problems\*\*](http://www.pnas.org/cgi/content/abstract/98/6/2961), Daniel T. Chiu, Elena Pezzoli, Hongkai Wu, Abraham D. Stroock, George M. Whitesides, PNAS 2001;98:2961-2966

&nbsp;

**16. The Small-World of Human Language**, SFI Working Papers

*Abstract:* Words in human language interact within sentences in non-random ways, and allow humans to construct an astronomic variety of sentences from a limited number of discrete units. This construction process is extremely fast and robust. The cocurrence of words within sentences reflect language organization in a subtle manner which can be described in terms of a graph of word interactions. Here we show that such graph displays two important features recently found in a disparate number of complex systems: (a) The so called small world effect. In particular, the average distance between two words  $d$  (i.e. the average minimum number of jumps to be made from an arbitrary word to another) is shown to be  $\approx 2-3$ , in spite that the human brain can store many thousands. (b) A scale-free distribution of degrees. The known dramatic effects of disconnecting the most connected vertices in such networks can be identified in some language disorders. These observations suggest some unexpected features of language organization that might reflect the evolutionary and social history of lexicons and the origins of their flexibility and combinatorial nature.







<http://www.scienceemag.org/cgi/content/abstract/291/5511/216511>

**Dyslexia: Cultural Diversity and Biological Unity**, E. Paulesu, J.-F. Demonet, F. Fazio, E. McCrory, V. Chanoine, N. Brunswick, S. F. Cappa, G. Cossu, M. Habib, C. D.

Frith, U. Frith, *Science* Volume 291, Issue 5511, p. 2165, 01/03/16

**17.2 Cultural Influences on Reading, Science**

**Summary: Dyslexia**

is a complex disorder that causes different degrees of impairment in reading and that also varies in prevalence across cultures. Paulesu et al. (p. 2165; see the news story by Helmuth) have undertaken a cross-cultural study of dyslexic individuals in Italy, France, and the United Kingdom by utilizing behavioral tests and brain imaging scans. They confirm earlier findings that languages with shallow orthographies (where letters map onto sounds in a one-to-one manner), such as Italian, result in less severe impairment. Nevertheless, the underlying neural activation patterns are consistent across dyslexic subjects in all three countries: There is reduced activity in the left temporal cortex, which suggests there may be fewer or less stereotyped connections among brain regions than is observed during reading in normal individuals.

**This Week in SCIENCE**, Volume 291, Issue 5511, 01/03/16

**17.3 Dyslexia Study In Science Highlights**

**The Impact Of English, French, And Italian Writing Systems**

AAAS/Science Daily

*Excerpt: Dyslexia*

is increasingly believed to be a disorder that has a genetic and biological origin; a deficit in phonological (language sound) processing is thought to be

the causal link between brain

abnormality and reading difficulties. However, it

is an established fact that countries that have a more complex or irregular system of writing, or orthography, have a higher incidence of dyslexia, for example, a study of the prevalence of dyslexia in 10-year-old children in Italy

was found to be half that of the USA. *Why is this? Do the brains of dyslexics across different languages have different processing problems?*

*Now, by studying adult dyslexics across three language groups--French, Italian, and English--an International research team, directed by Professor Eraldo*

*Paulesu, University of Milan Bicocca, has found that this is not the case.*

*Highlights The Impact Of English, French, And Italian Writing Systems*

*American Association For The Advancement Of Science*, Science Daily, 01/03/16

*Dyslexia Study In Science*

**18. Effect Of Total Sleep Deprivation On The Dimensional Complexity Of The Waking EEG, Sleep**

*Pubmed summary: STUDY OBJECTIVES: Sleep deprivation can affect the waking EEG that may reflect information processing of the brain. We examined the effect of total sleep deprivation (TSD) on nonlinear dynamics of the waking EEG. DESIGN: Paired-group design. SETTING: A sleep disorders laboratory in a hospital. PARTICIPANTS:*

Twenty healthy male volunteers. INTERVENTIONS: Waking EEG data were recorded from subjects with eyes closed after (a) an 8-hour night's sleep and (b) TSD

for 24 hours. The dimensional complexity (D2), as a nonlinear measure of complexity, of the EEG after a full night sleep were compared with those of the

EEG after TSD. MEASUREMENTS AND RESULTS: The sleep-deprived states had lower D2

values at three channels (P4, O2, and C3) than normal states. CONCLUSIONS: TSD results in the decrease of complexity in the brain, which may imply sub-optimal information processing of the cerebral cortex. We suggest that the

investigation of the relation between nonlinear dynamics of the waking EEG induced by TSD and cognitive performance may offer fruitful clues for understanding the role of sleep and the effects of sleep deprivation on brain

function.

[http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&db=pubmed&list\\_uids=11247056&dopt=Abstract](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&db=pubmed&list_uids=11247056&dopt=Abstract)

**Effect Of Total Sleep Deprivation On The Dimensional Complexity Of The Waking EEG**

Jeong J, Kim OJ, Kim SY, Chae JH, Go HJ, Kim KS, Sleep 2001Mqr 15 24(2):p. 197-202

**19. Links & Snippets**

**19.1 Announcements:**

**ComDig Contributing Editors Wanted**: Due to the overwhelming success of

Complexity Digest in both the academic and practioner communities we are in the fortunate situation to offer one or several positions of contributing editors especially in the areas of economic and business applications. Requirements are

a solid background in complexity, reliable access to the Internet, and good editorial skills. Financial support could be available. Please send

applications to [editor@comdig.org](mailto:editor@comdig.org)

[http://www4.nationalacademies.org/nas/nashome.nsf/f45867247b806311852566f20016142d/4610603174b890c](http://www4.nationalacademies.org/nas/nashome.nsf/f45867247b806311852566f20016142d/4610603174b890c7852566f8007277bb?OpenDocument)

[7852566f8007277bb?OpenDocument](http://www4.nationalacademies.org/nas/nashome.nsf/f45867247b806311852566f20016142d/4610603174b890c7852566f8007277bb?OpenDocument)

**Self-Organized Complexity in the**

**Physical, Biological and Social Sciences**

**Arthur M. Sackler Colloq. of the Natl. Acad. Sc., 01/03/23-24, Irvine, CA**

**SFI & Workshop on** <http://discuss.santafe.edu/internetcs/> **The Internet as a Large-Scale Complex System**, Santa Fe, NM, 01/03/29-31













[\*\*S<sup>th</sup> Inti Conf on COMPUTING ANTICIPATORY SYSTEMS\*\*](http://www.ulg.ac.be/mathgen/CHAOS/CASYS.html), Liege,Belgium,01/08/13-18

**ArtificialLife Models for MusicalApplications**,  
**Workshop of the 6<sup>th</sup> European Conference on Artificial Ufe**,  
Czech Republic,01/09/09-14

**SFI** Workshop on **Economic Inequality and Economic Sustainability**, Santa Fe, NM,01/09/21-23







**Monetary Policy Analysis in Models Without Money**, Bennett T. McCallum, NBER Working Paper No. W8174

**How Reasonable Are Assumptions Used in Theoretical Models?: Computational Evidence on the Likelihood of Trade Pattern Changes**, Lisandro Abrego, Raymond Riezman, John Whalley, NBER Working Paper No. W8169

**Expectation**

Puzzles, Time-varying Risk Premia, and Dynamic Models of the Term Structure

Singleton, NBER Working Paper No. W8167

22.4 Other Articles:

<http://www.sciencemag.org/cgi/content/abstract/291/5511/2147>, Seema Agarwala, Timothy A. Sanders, and Clifton W. Ragsdale, Science, Volume 291, Issue 5511, p.2147,

01/03/16

<http://www.uchospitals.edu/news/Sonic.html>

Hedgehog Shapes The Brain,

**The University of Chicago Hospitals & Health System Press Release, 01/03/09**

How Bacterial Flagella Flip Their Switch

How Bacterial Flagella Flip Their Switch, Science, Volume 291, Issue 5511, p. 2065, 01/03/16

The Complexity Of Visual Hallucinations,

The Complexity Of Visual Hallucinations, Insight 2001 Jan 26(1): p. 21-22

22.5 Pub Alert

These

These

references can be found in <http://www.thescientificworld.com/>

<http://www.thescientificworld.com/>. To retrieve the articles connect to the site and search for the title.

**3G's soft side** 3G networks will bring fast speeds and new services, but also increase network complexity. Network testing will be harder but could a software-based approach be the answer, Alatalo, J., TELECOMMUNICATIONS

**3G's soft side** 3G networks will bring fast speeds and new services, but also increase network complexity. Network testing will be harder but could a software-based approach be the answer, Alatalo, J., TELECOMMUNICATIONS

**3G's soft side** 3G networks will bring fast speeds and new services, but also increase network complexity. Network testing will be harder but could a software-based approach be the answer, Alatalo, J., TELECOMMUNICATIONS

**3G's soft side** 3G networks will bring fast speeds and new services, but also increase network complexity. Network testing will be harder but could a software-based approach be the answer, Alatalo, J., TELECOMMUNICATIONS

**Success in Sports Acrobatics as a Function of Complexity of Skills and**

**Success in Sports Acrobatics as a Function of Complexity of Skills and**

**Success in Sports Acrobatics as a Function of Complexity of Skills and**

**Success in Sports Acrobatics as a Function of Complexity of Skills and**

**Success in Sports Acrobatics as a Function of Complexity of Skills and**













Anastasi, G.; Lenzini, L.; Ofek, Y., MICROPROCESSORS AND MICROSYSTEMS

Mentoring and the tolerance of complexity, Garvey, B.; Alred, G.,  
FUTURES -GUILDFORD-

Measures of complexity in neural spike-trains of the slowly adapting stretch receptor organs, Jimenez-Montana, M.A.; Penagos, H.; Hernandez Torres, A.; Diez-Martinez, O., BIOSYSTEMS -AMSTERDAM-

Strange attractors and chaos control in periodically forced complex

Duffing's oscillators, M. Mahmoud,G.; A. Mohamed, A.; A. Aly,S., PHYSICA A

Numerical simulation of branched polymer melts in transient complex flow using pom-pom models, Wapperom,P.;Keunings, R.,JOURNAL OF NONNEWTONIAN FLUID MECHANICS

A simple stochastic model of spatially complex neurons, Rodriguez,R.; Lansky, P., BIOSYSTEMS -AMSTERDAM-

On solving complex multi-period location models using simulated annealing, Antunes,A.; Peeters, D., EUROPEAN JOURNAL OF OPERATIONAL RESEARCH

**Complex layers of genetic alteration in the generation of antibody diversity**, Muramatsu, M.; Honjo, T., *TRENDS IN IMMUNOLOGY*

**Julia sets of the complex Carotid-Kundalini function**, Cooper, G. R., *COMPUTERS AND GRAPHICS*

**A new method for identifying the origins of simple and complex hopanoids in sedimentary materials using stable isotope labelling with  $^{13}\text{C}_4$  and compound specific stable isotope analyses**, Crossman, Z. M.; McNamara, N.; Parekh, N.;

Ineson, P.;Evershed, R. P., ORGANIC GEOCHEMISTRY

Modelling of complex liquid-solid reaction systems in semibatch reactors:Claisen condensation in industrial scale,Tirronen, E.;Salmi, T.; Lehtonen,J.; Vuori, A.;Gronfors, O.; Kaljula,K.,CHEMICAL ENGINEERING

SCIENCE

Enigma of raised intracranialpressure in patients with complex craniosynostosis: the role of abnormal intracranial venous drainage,Taylor, W. J .; Hayward, R.D.;Lasjaunias, P.; Britto,J. A.; Thompson, D. N. P.;Jones,

B. M.; Evans, R. O.,JOUR NAL OF NEUROSURGERY

face="Times New Roman"><span style='font-size:10.0pt;color:black;mso-color-alt: windowtext'>30.<font size=f

Complex View on the Nineties,Zak, M., POLITICKA EKONOMIE </span></font><font color=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></p>

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face="Times New Roman"><span style='font-size:10.0pt;color:black;mso-color-alt: windowtext'>31.<font size=f

Extraction of Human Limb Regions and Parameter Estimation using Optical Flow against Complex Background, Tamaki,T.;Yamamura,T.;Ohnishi,N.,

TRANSACTIONS- INSTITUTE OF ELECTRICAL ENGINEERS OF JAPAN C </span></font><font color=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></p>

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tab-stops:list .5in'><![if !supportlists]><font size=2 color=black

face="Times New Roman"><span style='font-size:10.0pt;color:black;mso-color-alt: windowtext'>32.<font size=f

Current Status of Radiotherapy in the Complex treatment of Breast Carcinoma, Petera,J.; Jandik, P., KLINICKA ONKOLOGIE </span></font><font

color=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></p>

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face="Times New Roman"><span style='font-size:10.0pt;color:black;mso-color-alt: windowtext'>33.<font size=1 face="Times New Roman"><span style='font:7.0pt "Times New Roman"'>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

</span></font></span></font><![endif]><font color=black><span style='color:

black'>Method for finding the optimal variant of a complex article,Diveev,A.

1.; Severtsev, N. A.,JOURNAL OF MACHINERY MANUFACTURE AND RELIABILITY C/C OF

PROBLEMY MASHINOSTROENIIA I NADEZHNOСТИ MASHIN </span></font><font color=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></p>

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tab-stops:list .5in'><![if !supportlists]><font size=2 color=black

face="Times New Roman"><span style='font-size:10.0pt;color:black;mso-color-alt: windowtext'>34.<font size=1 face="Times New Roman"><span style='font:7.0pt "Times New Roman"'>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

</span></font></span></font><![endif]><font color=black><span style='color: black'>Modulation of MLC-2v gene expression by AP-1: Complex regulatory role of Jun in cardiac myocytes,Goswami, S.

K.;Shafiq,S.;Siddiqui, M.A. Q.,

MOLECULAR AND CELLULAR BIOCHEMISTRY </span></font><font color=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></p>

<p class=MsoNormal style='margin-right:1.0in;mso-margin-top-alt:auto;

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tab-stops:list .5in'><![if !supportlists]><font size=2 color=black

face="Times New Roman"><span style='font-size:10.0pt;color:black;mso-color-alt: windowtext'>35.<font size=1 face="Times New Roman"><span style='font:7.0pt "Times New Roman"'>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

</span></font></span></font><![endif]><font color=black><span style='color: black'>Evaluation of a Technology for Teaching Complex Social Skills to Young Adults with Visual and Cognitive

Impairments,Gumpel, T. P.;Nativ-Ari-Am, H.,

JOURNAL OF VISUAL IMPAIRMENT AND BLINDNESS </span></font><font color=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></p>

<p class=MsoNormal style='margin-right:1.0in;mso-margin-top-alt:auto;

mso-margin-bottom-alt:auto;margin-left:1.5in;text-indent:-.25in;mso-list:l22 level1fo74;

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face="Times New Roman"><span style='font-size:10.0pt;color:black;mso-color-alt: windowtext'>39.<font size=1 face="Times New Roman"><span style='font:7.0pt "Times New Roman"'>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

</span></font></span></font><![endif]><font color=black><span style='color: black'>Computation of turbulent flows in complex geometries, Demirdzic, I.; Muzaferija, S.; Peric, M., ADVANCES IN FLUID MECHANICS </span></font><font

color=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></p>

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</span></font></span></font><![endif]><font color:=black><span style='color: black'>Application of advanced turbulent models to complex industrial flows, Menter, F.R.; Grotjans, H., ADVANCES IN FLUID MECHANICS </span></font><font

color:=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></p>

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</span></font></span></font><![endif]><font color=black><span style='color:

black'>Calculation of complex turbomachinery flows using the k- $\epsilon$  turbulence

model, Nikolaou, I. G.; Giannakoglou, K. C., ADVANCES IN FLUID MECHANICS </span></font><font color=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></p>

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</span></font></span></ font><!(endif)><font color=black><span style='color:

black'>Management by Complexity:Redundancy and Variety in Organizations,

Ahlemeyer, H. W.,CONTRIBUTIONS IN SOCIOLOGY </span></font><font color=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></p>

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</span></font></span></font><![endif]><font color=black><span style='color: black'>Intraoperative Computed Tomography for Complex Craniocervical Operations and Spinal Tumor Resections, Hum,B.; Feigenbaum, F.;Cleary, K.;Henderson, F.

C., NEUROSURGERY -BALTIMORE- </span></font>< font color=black><span

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</span></font></span></font><![endif]><font color=black><span style='color:

black'>Understanding Osha: A Look At The Agency's Complex Legal& Political

Environment,Pepper,T. J., Professional Safety </span></font><font

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</span></font></span></font><![endif]><font color==black><span style='color: black'>Leontief-Based Model of Risk in Complex Interconnected Infrastructures, Haimes, Y. Y.; Jiang, P., JOURNAL OF INFRASTRUCTURE SYSTEMS </span></font><font

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</span></font></span></font><![endif]><font color=black><span style='color: black'>Generalized Electromagnetic Scattering in a Complex Geometry, Uukkonen, J., JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS </span></font><font

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</span></font></span></font><![endif]><font color=black><span style='color: black'>Analysis of Complex Relationships between Age, p53, Epidermal Growth Factor Receptor, and Survival in Glioblastoma Patients, Simmons, M. L.; Lamborn, K. R.; Takahashi, M.; Chen, P.; Israel, M. A.; Berger, M. S.; Godfrey,

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The Orthodontist And Complex Craniofacial Anomalies, Ross, B., AMERICAN JOURNAL OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS

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Burton, A. M.,PSYCHOLOGICAL RESEARCH </span></font><font color=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></p>

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</span></font></span></font><![endif]><font color=black><span style='color: black'>Education For Industry:A Complex Technicism, Rikowski,G.,JOURNAL OF EDUCATION AND WORK

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</span></font></span></font><[endif]><font cofor=black><span style='color: black'>Patents In A World Of Complex Technologies, Kash, D. E.;Kingston, W., SCIENCE AND PUBLIC POLICY </span></font><font color=black><span style='color:black;mso-color-alt:windowtext'><o:p></o:p></span></font></p>

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black>Interactive Design Using the Example of a Complex Medical Application,

Platz,A.; Knapheide,C.,INTERNATIONALJOURNAL OF HUMAN COMPUTER INTERACTION

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 </span></font></span></font><![endif]><font color=black><span style='color: black'>Jack Stillinger, Reading  
 The Eve of St. Agnes:The Multiples of Complex literary Transaction, Lau, B., WORDSWORTH CIRCLE  
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 </span></font></span></font><![endif]><font color=black><span style='color: black'>Merging for Scale  
 Savings? Beware the Complexity Spoiler, Bellaire, D. R., PHARMACEUTICAL EXECUTIVE  
 </span></font><font color=black><span style='color:black;mso-color-alt:window  
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 </span></font></span></font><![endif]><font color=black><span style='color:  
 black'>Coherence and Complexity: Ambiguity and (Mis)-understanding across  
 Management Teams, Cairns, G.; Burt, G.; Beech, N., STRATEGIC CHANGE </span></font><font  
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Modern Corrosion  
Monitoring Of Complex Systems In Acid Media - The Bridge Into The 21st Century, Polyanchukov,V. G.,  
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Assessment of Rock  
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Technological and Logging Data, Muller, K.,ACTA MONTANA

Complexity Digest

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LeBaron and

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J. Mayer. For individual *free* e-mail subscriptions send requests to: [subscriptions@comdig.org](mailto:subscriptions@comdig.org).

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From: Sent: To: Subject:

Tim Osborn <t.osborn@uea.ac.uk> Tuesday, March 28, 2000 7:06AM Michael E. Mann

t-shirt!

Mike

How's things? I have a slightly unusual question for you. We're producing some CRU t-shirts/polo shirts in the next few weeks. Some will just have the CRU logo on, but some people want a picture on the back. The picture we've decided upon has three curves on it showing temperatures over the last 1000 yrs (I think it's based on the front cover of the WMO statement on 1999 climate). They're just curves, with nothing to identify what they are or where they come from (so it's slightly abstract), but in fact one of them is your 1000-yr NH temperature reconstruction. Do you mind if we put it on our t-shirts?

Best regards

Tim

Dr Timothy J Osborn

I phone:

+44 1603 592089

Senior Research Associate

I fax:

+44 1603 507784

Climatic Research Unit

I e-mail:

t.osborn@uea.ac.uk

School of Environmental Sciences I web-site:

University of East Anglia I <http://www.cru.uea.ac.uk/~timo/> Norwich NR4 7TJ I sunclock:

UK I <http://www.cru.uea.ac.uk/~timo/sunclock.htm>

From: Sent: To: Subject:

Scott Rutherford <[srutherford@virginia.edu](mailto:srutherford@virginia.edu)> Monday, November 13, 2000 5:06 PM

Michael E. Mann

Re: Order from Apple

Mike,

Thanks for the powerbook info.

I've got some results from the verification run and have everything processed (I think). I'm trying to narrow down a couple of things, but intend on posting the results tomorrow.

I was planning on coming down either the week of the 4th through 8th or so or the following week 11-14 and flying out to AGU on the 14th.

You're leaving on the 12th correct? So how does the week of 4-8 sound?

-Scott

>HI Scott,

>

>The powerbook has arrived. Will grab it and keep it in my office until

>next time you come down.

>

>Which leads me to the question: when are you thinking about coming

>down next. It would be good for you to make it down before the holiday

>break, to get the AGU talk together and make some progress on the paper

>and the Osborn analyses. let me know what you have in mind.

>

>Thanks,

>

>mike

>

»X-Sender:mrt3s@m.mail.virginia.edu

»X-Mailer:QUALCOMM Windows Eudora Pro Version 4.0.1

»Date: Mon,13 Nov 2000 10:27:37 -0500

»To:mann@virginia.edu

»From: Mark Terry <mrt3s@virginia.edu>

»Subject:Order from Apple

>>

»Your Powerbook has arrived from Apple Computer in Room 105. The extra

»RAM & SaddleBag aren't here yet,but you can come pick up the computer

»if you'd like.

>>

>>

>> —

»Mark Terry

»Purchasing

»4-3766

>>

>>

>

> Professor MichaelE. Mann

> Department of Environmental Sciences,Clark Hall

> University of Virginia

> Charlottesville,VA 22903

>

>e-mail:mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137

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Scott Rutherford

Currently sitting here:

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Graduate  
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e-mail: srutherford@virginia.edu srutherford@gso.uri.edu

phone: {804} 924-4669 (401) 874-6599 fax: (804) 982-2137 (401) 874-6160

From: Sent: To: Cc:

Subject:

Scott Rutherford <srutherford@virginia.edu> Wednesday, October 18, 2000 12:31PM Michael E. Mann  
tosborn@holocene.evsc.virginia.edu

Re: MULTIPROXY directories

Done deal. All should now be world readable and executable in /p0/tape/big2/MULTIPROXY

-Scott

At 12:17 PM -0400 10/18/00, Michael E. Mann wrote:

>HI Scott,



>

>As you can see below, we're having some problems.

>

>Can you simply rest the protection on the directories in question so

>Scott can access (everything in /p0/tape/big2/MULTIPROXY and below).

>Thanks,

>

>mike

>

» Date: Wed,18 Oct 2000 11:26:29 -0400 (EDT)

>>From:Tim Osborn <tosborn@holocene.evsc.virginia.edu>

»Reply-To: Tim Osborn <tosborn@holocene.evsc.virginia.edu>

»Subject: Re:MULTIPROXY directories

»To:mann@multiproxy.evsc.virginia.edu

»X-Mailer:dtmail1.3.0 @({#}CDE Version 1.3.5 SunOS 5.7 sun4u spare

>>

>>They should all be changed to read for all. Let me know if you

>>>continue to have any problems, and I can ask Scott to try to figure out the problem.

>>

»Still having problems, Mike. I think that the directories (not the

»files)

>need

»execute permission for all so that I can get into them ('cd directoryname'

»needs execute permission on the directory to work).

>>

»Cheers

>>

» Tim

>>

>>

>>

>>

>>

>

> Professor Michael E. Mann  
> Department of Environmental Sciences, Clark Hall

> University of Virginia  
> Charlottesville, VA 22903  
>

>e-mail: mann@virginia.edu Phone: {804} 924-7770 FAX:{804} 982-2137

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e-mail: srutherford@virginia.edu srutherford@gso.uri.edu

phone: (804) 924-4669 (401) 874-6599 fax: (804) 982-2137 (401) 874-6160

From: Sent: To:

Subject:

Mark Eakin < Mark.Eakin@noaa.gov> Tuesday, November 21, 2000 2:38 PM

Ed Gille;Wendy Gross; Bradley;Overpeck; Mann; Hughes; Francis T Keimig; Patricia Viets

Re: EIPress Release

I just received word from Pat that the Press Release is out. Thanks for all of your help. Here it is:

NOAA 00 080

Contact: Patricia Viets, NOAA           FOR IMMEDIATE RELEASE (301) 457-5005   November 21, 2000

### Patterns of Global Climate Change Over Recent Centuries Reported By NOAA and University Scientists

For the first time, year-by-year patterns of global temperature over the past few centuries have now been revealed. Evidence from ice cores, tree rings, corals, historical records and sediments in lakes was used by a team of university and NOAA scientists to obtain the yearly maps, extending the history of global climate to a time before people began taking measurements with weather instruments.

Writing in the online journal Earth Interactions, the scientists note that their work highlights periods of unusual climatic

conditions, such as the period of "dry fogs" that were reported by Benjamin Franklin in the 1780s.

The new study shows that the hazy conditions Franklin described from his home (at that time, in Paris) were related to a cold episode that affected all of Europe for several years following the eruption of a volcano in Iceland

(Laki) in 1784. Other major eruptions have had similar climatic effects.

After the eruption of Tambora in Indonesia in 1815, temperatures in North America and Europe fell sharply, and cool conditions prevailed for several years.

The current study provides an interactive database that can be used to examine maps of global temperature patterns for any year since 1730. These are based on natural archives such as ice cores, tree-rings, lake sediments, and corals, which record seasonal or annual climate conditions. Data from the natural archives were calibrated by the instrumental surface temperature data available during the 20th century.

The study also provided a longer-term view of temperatures across the northern hemisphere. "The best evidence, based on the extension of hemispheric climate reconstructions back a full millennium is that late 20th century

conditions are probably warmer than those which prevailed any time this millennium," the scientists wrote. They noted that conditions during the 11th through 14th centuries appear warmer than those which prevailed during the 15th through 19th centuries in general.

The scientists also studied the statistical relationship between variations in the northern hemisphere mean temperatures and estimates of the histories of solar, greenhouse gas, and volcanic factors. "While the natural -- solar and volcanic-- forcings appear to be important factors governing the natural variations of temperatures in past centuries, only human greenhouse gas forcing alone....can statistically explain the unusual warmth of the past few decades," they wrote.

The scientists are: lead author Michael E. Mann, from the University of Virginia; Ed Gille and Wendy Gross, NOAA's National Geophysical Data Center; Raymond S. Bradley and Frank Keimig, University of Massachusetts; Jonathan Overpeck, formerly of NOAA, now with the University of Arizona, and Malcolm K. Hughes, University of Arizona.

The publication, titled *Global Temperature Patterns in Past Centuries*, contains the latest look at temperatures over the last 600 years, and includes data and animations of global temperatures from paleoclimatic records starting in 1730, up through instrumental data through 1993. The publication is available at the NGDC Web site in PDF form at [http://www.ngdc.noaa.gov/paleo/ei/ei\\_pdf.html](http://www.ngdc.noaa.gov/paleo/ei/ei_pdf.html) and in interactive form at [http://www.ngdc.noaa.gov/paleo/ei/ei\\_cover.html](http://www.ngdc.noaa.gov/paleo/ei/ei_cover.html) and at Earth Interactions at:

<http://www.earthinteractions.org>

C. Mark Eakin, Ph.D.

Chief of NOAA Paleoclimatology Program and Director of the World Data Center for Paleoclimatology

NOAA/National Geophysical Data Center

325 Broadway E/GC DSRC 18139

Boulder, CO 80305-3328

Voice: 303-497-6172 Fax: 303-497-6513

Internet: [mark.eakin@noaa.gov](mailto:mark.eakin@noaa.gov) <http://www.ngdc.noaa.gov/paleo/paleo.html>

From:

Sent: Subject:

Brenda W. Morris <bwm6q@virginia.edu> Monday, March 26, 2001 6:10AM

HLHC Workshop

Hello everyone,

Dr. Mann has finalized the program for the Reconstructing Late Holocene Climate Workshop. I am attaching it below since some of you may not be able to easily open an attachment. Some of you have indicated that you would like to see a list of attendees, so I am also including the list.

I am looking forward to meeting each of you in April. Brenda Morris

\*\*\*\*\*

Reconstructing Late Holocene Climate

Charlottesville, Virginia

April 17-20, 2001

A scientific workshop sponsored by PAGES/CLIVAR, NSF and NOAA (Earth Systems History, United States), NRP (Netherlands), and GKSS (Germany)

Day 1: Tuesday April 17

8:45 AM: Refreshments;

Welcoming Remarks (M. Mann; H. von Storch) Logistics (Brenda Morris)

9:00AM SESSION 1: Climate Reconstructions of the North Atlantic and Neighboring Regions (Session Chair: K. Briffa; Rapporteur: K. Hughen)

J. Guiot (30 min) Proxy Data

Reconstruction of European Climate from Historical and

O. Nordli Norwegian Norpast project

H. Miller Reconstruction of Climate/Atmospheric Variability from Northern  
Greenland Ice Cores

M. Schwab European Terrestrial Records and Correlation w/ Greenland Ice Cores

M Barriendos Historical Documentary Evidence from Southern Europe

10:50-11:10 AM Coffee & Refreshments

R. Brazdil the past

J. Luterbacher

(1500-2000)

Documentary data and its use for climate reconstructions during millenium in Europe

Reconstruction of Atlantic-European climate variability

H. Wanner Preferred Modes of Atlantic-European winter climate (1500-2000)

F. Gonzalez-Rouco

Chronologies

North Atlantic Climate Variability in Tree Ring

E. Cook Proxy-Based Reconstructions of North Atlantic Climate

12:50 Discussion (led by H. Wanner)

1:10PM:Break for Lunch

2:30 PM SESSION 2: Drought Reconstructions (Session Chair: E.Cook; Rapporteur: M. Evans)

M.Hughes (30 min) Multidecadal Drought in Western North America

C. Woodhouse

A. Schwalb

Plains, USA

Continental U.S. Drought Reconstructions

Late Holocene Centennial Drought Cyclicality in the Great

3:40-4:00 PM Coffee & Refreshments

K. Laird

J. Negendank

H. Weiss

Droughts in Eastern Equatorial Africa

Climate Oscillations in Varved Lake Records

Third Millennium BC Drought and the Collapse of the Acadian Empire

5:00PM Discussion (led by J. Overpeck)

5:20 PM Break for Day

Day 2: Wednesday April 18

8:45 AM Refreshments

9:00AM SESSION 3:Records of ENSO and tropical Variability (Session Chair: M. Mann;Rapporteur: S. Rutherford)

M. Cane (30 min) Use of paleorecords in understanding ENSO dynamics

J. Cole

M.Evans

K. Hughen

Coral Records of Tropical Climate Variability Reconstructions of Tropical Pacific Variability Sediment  
Records of Tropical Atlantic Variability



10:30 AM Discussion (led by J. Cole)

10:50-11:10 AM Coffee & Refreshments

11:10 AM SESSION 4: Large-Scale Climate Reconstruction (Session Chair: M. Mann; Rapporteur: J. Luterbacher)

R. Bradley (30 min) Multiproxy Reconstructions of Past Climate Variability

K. Briffa

J. Jones

Large-scale Temperature Reconstructions Based on Tree Ring Density

A tree-ring Based Estimate of the Antarctic Oscillation

12:20 PM: Break for Lunch

1:40PM SESSION

N 4 (CONT): Large-Scale Climate Reconstruction (Session

Chair: R. Bradley; Rapporteur: J. Luterbacher)

A. Kaplan

S. Rutherford

Large-scale Climate Reconstruction with Tree Rings and Corals

Methodological Approaches to Multiproxy Climate Reconstruction

2:20PM Discussion (led by M. Mann)

2:40 PM SESSION 5: Forced Climate Variability in Past Centuries (Session

Chair: A. Kaplan; Rapporteur: B. Reichert)

T. Crowley (30 min) Modeling Climate Change over the Past 1000 Years

3:10-3:30 PM Coffee & Refreshments

J. Overpeck

J. Lean

H. Renssen

F. Wagner

Climate Forcing and Response in Past Centuries Reconstructions of Solar Forcing in Past Centuries Solar Variability: Model/Data Intercomparison

CO<sub>2</sub> reconstructions based on leaf stomata

4:50PM Discussion (led by R. Webb)

5:10 PM Break for Day

Day 3: Thursday April 19

8:45 AM Refreshments

9:00AM SESSION 6: Model/ Paleodata Comparison: Part 1 (Session Chair: J.

Jones; Rappateur: M Widmann)

H. Von Storch (30 min) Paleoclimate Modeling Strategies using Free, Forced, and Data-Assimilated Runs

N. Weber Intermediate Complexity Modeling and Model/Data Intercomparison

G. Van de Schrier Sea-level/climate variability: ECBilt model results and comparison w/ paleodata

M Widmann Climate Model Assimilation w/ Paleodata Using Pattern Nudging

10:30 AM Discussion (led by J. Jones)

10:50-11:10 AM Coffee & Refreshments

11:10 PM SESSION 7: Model/ Paleodata Comparison: Part 2 (Session Chair: A. Schwalb; Rappateur: G. Van de Schrier)

R. Webb (30 min)

Variability

## Comparison of Modeled and Observed Holocene Climate

D. Handorf Natural Variability of Atmospheric Circulation Regimes in

Coupled Models

B. Reichert Paleo Downscaling/Model Assimilation

12:20 PM Discussion (led by H. von Storch)

12:40 PM Break for Day

5:30-7:00 PM Reception, Mural Room, Clark Hall

Day 4: Friday April 20

9:00AM Informal discussion of future paleoclimate research priorities and directions.

12:00 END OF WORKSHOP

\*\*\*\*\*

Dr. David Battisti  
Dr. Raymond S. Bradley  
Dr. Mark A. Cane  
Dr. Julie Cole  
Dr. Edward Cook  
Dr. Thomas Crowley Dr. Barbara Deluisi Dr. C. Mark Eakin  
Dr. Michael Evans  
Dr. Konrad A. Huguen Dr. Malcolm Hughes Dr. Alexey Kaplan  
Dr. Judith Lean  
Dr. Michael Mann  
Dr. Christopher Miller  
Mr. Chris Moy  
Dr. Jonathan Overpeck Dr. Bernhard K.Reichert Dr. Scott Rutherford  
Dr. Anthony Succi  
Dr. Edward S. Sarachik  
Dr. David Verardo Dr. Robert S.Webb Dr. Harvey Weiss  
Dr. Connie Woodhouse Dr. Mariano Barriendos Dr. Rudolf Brazdil  
Dr. Keith Briffa  
Dr. Hans-Juergen Donath  
Dr. Francoise Gasse  
Dr. J. Fidel Gonzalez-Rouco  
Dr. Joel Guiot  
Dr. Doerthe Handorf  
Dr. Julie M. Jones  
  
Dr. Kate Laird  
Dr. Juerg Luterbacher  
Dr. Heinz Miller  
Dr. Joerg Negendank

Dr. Oyvind Nordli Dr. Juergen Paetzold Dr. Hans Renssen  
Dr. Petter Sejrup  
Dr. Gerhard Schleser Dr. Antje Schwalb Dr. Markus J. Schwab  
Dr. Gerard van der Schrier  
Dr. Hans von Storch  
Dr. Frederieke Wagner  
Prof. Heinz Wanner  
Dr. S. L (Nanne) Weber  
Dr. Martin Widmann

From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@multiproxy.evsc.virginia.edu> Friday, November 03, 2000 11:06 AM

Heinz Wanner;hans.von.storch@gkss.de;Oyvind.Nordli@dnmi.no; weber@knmi.nl mann@virginia.edu

Re: Workshop Charlottesville

Dear all,

I would like to informally contact the individuals indicated below about attending the workshop.

If I hear no objections regarding this current list of U.S.invitees by monday,I'll send out notification to the prospective participants. Thanks,

mike

>

>

–

>R. Bradley paleo general, high-res proxies

>M. Hughes tree rings

>J. Overpeck proxies general, some paleo modeling (w/ Rind et al)

>T. Crowley paleo general,paleo modeling

>E. Cook statistical methods of reconstruction,tree rings

>R. Webb paleo modeling

>M.Cane paleo ENSO modeling

>M. Evans corals, statistical climate reconstruction

>D. Battisti paleo modeling, ENSO

>K. Hughen laminated sediments, paleoreconstruction of decadal variability

>J. Lean solar reconstructions, modeling response to solar (w/ D. Rind)

>J.Cole corals

>H. Diaz paleo general,historical records

>B. Reichert paleo modeling, downscaling

>

>Also invited to attend as observers:

>

>Mark Aiken (NOAA program manager)

>David Verardo (new NSF Earth Systems History Program Manager)

>

Professor Michael E. Mann  
Department of Environmental Sciences, Clark Hall  
University of Virginia  
Charlottesville, VA 22903

e-mail: [mann@virginia.edu](mailto:mann@virginia.edu) Phone: (804) 924-7770 FAX: (804) 982-2137  
<http://www.evsc.virginia.edu/faculty/people/mann.html>

244

-----

From: Sent: To:

Subject:

Hans.von.Storch@gkss.de on behalf of Hans von Storch <[Hans.von.Storch@gkss.de](mailto:Hans.von.Storch@gkss.de)> Saturday, November 04, 2000 12:35 PM

Michael E. Mann

Re: Workshop Charlottesville



Fine with me. Hans

"Michael E. Mann" wrote:

>Dear all,

>

>I would like to informally contact the individuals indicated below

>about attending the workshop.

>

>If I hear no objections regarding this current list of U.S. invitees

> by Monday, I'll send out notification to the prospective participants.

> Thanks,

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>mike

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>>Also invited to attend as observers:  
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>>Mark Aiken (NOAA program manager)  
>>David Verardo (new NSF Earth Systems History Program Manager)  
>>  
>  
>  
>  
  
> Professor Michael E. Mann  
> Department of Environmental Sciences,Clark Hall  
  
> University of Virginia  
> Charlottesville,VA 22903  
>  
  
> e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX:(804) 982-2137  
> <http://www.evsc.virginia.edu/faculty/people/mann.html>

Hans von Storch

Institute of Hydrophysics; GKSS Research Center

Max-Planck-Strasse; 21502 Geesthacht;Germany

Phone:+49(4152)87-1831;fax:+49(4152)87-2832 home fax: +49 4153 582 522 ph + 49 4153 543 36

<http://w3g.gkss.de/staff/storch>

From: Sent: To:

Subject:

weber@knmi.nl on behalf of Dr. Nanne Weber <weber@knmi.nl> Monday, November 06, 2000 3:14AM

Michael E. Mann

Re: Workshop Charlottesville

"MichaelE. Mann" wrote: Hi Mike,

sorry about my late response. Your list is fine with me.

Cheers, Nanne

>Dear all,

>

> I would like to informally contact the individuals indicated below

>about attending the workshop.

>

> If I hear no objections regarding this current list of U.S. invitees

>by monday,I'll send out notification to the prospective participants.

> Thanks,

>

>mike

>

>>

>>

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- >>M. Cane paleo ENSO modeling
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>>Also invited to attend as observers:

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>>Mark Aiken (NOAA program manager)

>>David Verardo (new NSF Earth Systems History Program Manager)

>>

>

>

- > Professor Michael E.Mann
- > Department of Environmental Sciences,Clark Hall
- > University of Virginia
- > Charlottesville,VA 22903
- >

> e-mail:mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To:

Subject:

Hans.von.Storch@gkss.de on behalf of Hans von Storch <Hans.von.Storch@gkss.de> Monday, November 06, 2000 4:30 PM

Heinz Wanner;Oyvind Nordli;Michael E.Mann;weber@knmi.nf;jones@gkss.de

charlotteville

Hi folks (hi folk, for at bruge et skandinavisk sprog),I have a problem with the number of German participants (own funding) ... we have 12,but we aimed at 10. The reason is that we have so many partners in our KIHZ project. Do you think that's a problem? Names are given on the attached webpage.

hans <http://w3g.gkss.de/staff/storch/charlotteville.money.htm>

Hans von Storch

Institute of Hydrophysics;GKSS Research Center

Max-Planck-Strasse;21502 Geesthacht;Germany

Phone:+49(4152)87-1831;fax:+49(4152)87-2832 home 'fax: +49 4153 582 522 ph+ 49 4153 543 36

<http://w3g.gkss.de/staff/storch>

Content-type: text/html;name=charlotteville.money.htm; charset=us-ascii

Content-disposition: inline; filename=charlottevifle.money.htm

Content-transfer-encoding: 7BIT

Content-Base: "http://w3g.gkss.de/staff/storch/charlo tteville.money.htm" Content-Location: "http://w3g.gkss.de/staff/storch/charlo tteville.money.htm"

<!doctype html public "-//w3c//dtd html 4.0 transitional//en"> <html> <head>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">

<meta name="Author" content="Hans von Storch">

<meta name="GENERATOR" content="Mozilla/4.73 [en] (X11; U;SunOS 5.5.1sun4m) (Netscape)">

</head> <body text="#000000" bgcolor="#FFFFFF" link="#0000FF" vlink="#FF0000"

alink="#000088"> <font size=+2>Workshop: "Reconstructing Late Holocene Climate"</font> <p>in  
Charlottesville, Va.

<p>17-20 April 2001

<p><u>Covenors:</u> Mike Mann (U of Virginia), Hans von Storch (GI<SS Research Centre,Germany),  
Nanne Weber

(KNMI, NetherlandsL Heinz Wanner (U of Bern, Switzerland) and &Oslash;yvind Nordli (Norway)

<p>We expect about 50 participants, about 35 would come from various interested partners (for instance: 10  
US,10

German,5 Dutch,5 Swiss and 3 Norwegian

+ 2 others). These participants would cover their own travel costs.

+ Another

15 participants would be invited (for instance 5 US, 5 UK,5&nbsp;others).

<p>We expect costs for

<br>-local arrangement&nbsp;and on-site and preparational organisational

work:\$ 2500

<br>- travel costs for invitees: \$2500 for UK and others, \$1000 for UK.

<p>Thus, we would need funding of 32,500\$.

<p>The following amounts have been tentatively agreed to:

<p>10,000 \$from US agencies

<br>10,000 \$from German agencies (confirmed by Storch) <br>&nbsp; 5,000\$ from Dutch agencies

(confirmed by Weber) <br>&nbsp; 5,000 \$ from Swiss agencies (confirmed by Wanner) <br>&nbsp; 2,000

\$from Norwegian agencies (confirmed by Nordli) <p>Additionally, we could charge a moderate fee from the  
participants for covering unexpected costs.

<p>Purpose and scope of the workshop are described in&nbsp; <a  
href="http://w3g.gkss.de/staff/storch/charlottesville.0401.htm">this webpage</a>

<br>&nbsp;

<br>

<u>Suggested participants from participating partners:</u> <br>

<p>US: M. Mann, R. Bradley, Hughes, J. Overpeck, T. Crowley, E. Cook, R. Webb, M. Cane, M. Evans, D. Battisti, K. Hughen, J. Lean, J. Cole, H. Diaz, B. Reichert (15)

<p>D: H. von Stoch, F. Gonzalez, J. Jones, M. Widmann, J. Negendank, A. Schwalb, Brathauer, H. Miller, M. Schwager, U. Cubasch, A. L&uuml;cke, D. Handorf (12)

<p>NL: N. Weber, G. vander Schrier, H. Renssen, B. van Geel, R. vanderWal (5, max 5)

<p>CH: H. Wanner, C. Pfister, T. Stocker, J. Luterbacher (4)

<p>N: &Oslash;vind Nordli, Eiliv Larsen and Hans Petter Sejrup, (3)

<br><br><br><u>The Europeans select 9 invitees from this list</u>

<br>R. Glaser (W&uuml;zburg), M. Claussen (D), Barriendos (Barcelona, ES), Brazdil (Brno, CZ), P. Jones, K. Briffa, T. Osborn (UK), J. Guiot (F), J. Beer(?), K. R. Laird, D. Verschuren or F. Gasse (N. African lakes), J. P&uuml;tzold or T. Felis

{Bremen}. (Sofar 14)

<br><br><u>Other participants</u> (no costs) <br>Mark Eakin (NOAA), Steve Coleman {NSF}

<br>&nbsp;

<br>&nbsp;

<br>&nbsp;

<br>&nbsp;

</body>

</html>

From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@multiproxy.evsc.virginia.edu> Thursday, November 09, 2000 2:04 PM

jgiesler@agu.org

mann@virginia.edu workshop in Charlottesville

Dear Jennifer,

Thanks in advance for your help. I would like to invite the following 14 U.S.scientists+3 govt. agency representatives to this event. I am hoping that some can supplement travel costs, and the available IOK will be used for the rest.

R. Bradley Geosciences Department,University of Massachusetts, Amherst MA M. Hughes (Laboratory of Tree Ring Research,University of Arizona;

currently on leave at Geosciences Dept.,Univ of Massachusetts, Amherst,MA) J. Overpeck (Inst. for Study of Planet

Earth, University of Arizona)



T. Crowley (Texas A&M Univ, College Station TX} E. Cook (Lamont Doherty,Columbia Univ)

R. Webb (NOAA/CDC Boulder CO}

M. Cane (Lamont Doherty,Columbia Univ)

M. Evans (Harvard Univ, Earth and Planetary Sciences)

D. Battisti (Dept. of Atmospheric Sciences, University of Washington) K. Hughen (Woods Hole}

J. lean (Naval Resarch Laboratory)

J. Cole (U. Arizona geology dept}

E. Sarachik (Oceanography Dept., University of Washington) B. Reichart (Dept. Geology & Geophysics, University of

Massachusetts)

The following govt. agency program representatives will also be invited and should be able to cover their costs:  
D.Verardo NSF

M. Eakin NOAA (ESH} C. Woodhouse NOAA

>From:"Verardo, David J ." <dverardo@nsf.gov>

>To: "jgiesler@agu.org" <jgiesler@agu.org>

>Cc: "mann@virginia.edu" <mann@virginia.edu>

>Subject: workshop in Charlottesville

>Date: Thu,9 Nov 2000 12:18:21-0500

>X-Mailer: Internet Mail Service (5.5.2650.21)

>

>Dear Jennifer,

>NSF will provide \$10,000 out of the AGU grant towards funding the

>work shop; "Reconstructing Late Holocene Climate"

>in Charlottesville, Va. 17-20 April 2000. Michael Mann in the

>Department of Environmental Sciences at the University of Virginia is

>organizing the workshop.Thanks in advance for your help !

>

>Contact info:

>Michael E. Mann

>Department of Environmental Sciences, Clark Hall University of Virginia

>Charlottesville, VA 22903

>e-mail: mann@virginia.edu Phone:(804) 924-7770 FAX: (804) 982-2137

>

>Mike, please contact Jennifer Giesler at AGU (202-777-7512;

>jgiesler@agu.org) to talk about details (i.e., names and contact info

>for participants, logistics, etc.).

>Regards,

>Dave

>

>

>David J. Verardo

>Director, Paleoclimate Program

>National Science Foundation

>GEO/ATM Room 775

>4201 Wilson Boulevard

>Arlington, VA 22230

>tel:703-292-8527

>fax: 703-292-9023

>email: dverardo@nsf.gov

>

>

>

Professor Michael E. Mann

Department of Environmental Sciences, Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137  
<http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To:

Cc:

Subject:

Jennifer Giesler <JGiesler@agu.org> Friday, November 10, 2000 5:38PM Michael E. Mann

Verardo, David J.

Re: workshop in Charlottesville

Dear Dr.Mann,

I will need e-mails for all the meeting attendees. Either my assistant or I will send an e-mail out to everyone at once discussing the logistics. We can prepare advances and charge airfare directly to AGU (so that people don't need to use their credit card) to help save the attendees money.

I ask each person to respond to our message with their address and then we mail them the appropriate forms. I will tell everyone that receipts are NEEDED for EVERYTHING or they will not be reimbursed. Since these are NSF funds I have to account for where they are spent.

I will be attending the GSA meeting next week and won't be back in the office until 11/20. Please feel free to contact me if you have any questions.

Jennifer Giesler

\*\*\*\*\*

Jennifer Giesler

Career Services Manager

American Geophysical Union

2000 Florida Avenue, NW Washington,DC 20009

p: (202) 777-7512 f: (202) 328-0566 jgiesler@agu.org

\*\*\*\*\*

"Michael E. Mann" wrote:

> Dear Jennifer,

>

> Thanks in advance for your help. I would like to invite the following

> 14 U.S. scientists+3 govt. agency representatives to this event. I am

> hoping that some can supplement travel costs, and the available IOK

> will be used for the rest.

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> R. Bradley Geosciences Department, University of Massachusetts, Amherst MA

> M. Hughes (Laboratory of Tree Ring Research,University of Arizona;

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>Amherst,MA) J. Overpeck (Inst. for Study of Planet Earth, University

>of Arizona)

>

> T. Crowley (Texas A&M Univ, College Station TX)

> E.Cook (Lamont Doherty,Columbia Univ)

> R.Webb (NOAA/CDC Boulder CO)

> M. Cane (Lamont Doherty,Columbia Univ)

> M. Evans (Harvard Univ, Earth and Planetary Sciences)

> D.Battisti(Dept. of Atmospheric Sciences,University of Washington)

> K. Hughen (Woods Hole)  
> J. Lean (Naval Research Laboratory)  
> J. Cole (U. Arizona geology dept)  
> E. Sarachik (Oceanography Dept.,University of Washington) B. Reichart  
>(Dept. Geology & Geophysics, University of Massachusetts)  
>

> The following govt. agency program representatives will also be  
>invited and should be able to cover their costs:

>  
> D. Verardo NSF  
> M. Eakin NOAA (ESH)  
>C. Woodhouse NOAA

>>From: "Verardo,David J." <dverardo@nsf.gov>  
>>To: "jgiesler@agu.org" <jgiesler@agu.org>  
> >Cc:"mann@virginia.edu" <mann@virginia.edu>  
>>Subject: workshop in Charlottesville  
> >Date:Thu,9 Nov 2000 12:18:21-0500  
> >X-Mailer: Internet Mail Service (5.5.2650.21)

>>

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>>organizing the workshop. Thanks in advance for your help!

>>

> >Contact info:  
>>Michael E.Mann  
>>Department of Environmental Sciences, Clark Hall University of  
>>Virginia Charlottesville,VA 22903

>>e-mail:mann@virginia.edu Phone: {804} 924-7770 FAX:(804} 982-2137

>>

>>Mike,please contact Jennifer Giesler at AGU (202-777-7512;

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>>Regards,

>>Dave

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>>David J. Verardo

>>Director, Paleoclimate Program

>>National Science Foundation

> >GEO/ATM Room 775

> >4201 Wilson Boulevard

>>Arlington, VA 22230

>>tel:703-292-8527

> >fax: 703-292-9023

>>email: dverardo@nsf.gov

>>

>>

>>

>

> Professor Michael E. Mann

> Department of Environmental Sciences,Clark Hall

> University of Virginia

> Charlottesville, VA 22903

>

>e-mail: mann@virginia.edu Phone:(804) 924-7770 FAX:(804) 982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To:

Cc:

Subject:

Mark Eakin <Mark.Eakin@noaa.gov> Friday, November 17, 2000 4:45 PM Hughes

Mann

people

Malcolm,

Michael and I spoke a bit about adding a few more people. We came up with the following compromise between community diversity, institutional diversity {both people's current locations and academic lineage) and an attempt to keep it small.

What do you think of adding: David Stahle

Tom Delworth

Tom Crowley

Either Julie Cole or Rob Dunbar

Cheers, Mark

C. Mark Eakin, Ph.D.

Chief of NOAA Paleoclimatology Program and Director of the World Data Center for Paleoclimatology

NOAA/National Geophysical Data Center

325 Broadway E/GC DSRC 18139

Boulder, CO 80305-3328

Voice: 303-497-6172 Fax: 303-497-6513

Internet:mark.eakin@noaa.gov <http://www.ngdc.noaa.gov/paleo/paleo.html>

From: Sent: To:

Subject:

PMDF e-MailInterconnect <Postmaster@mailhost.gkss.de> Tuesday, October 03, 2000 9:24 AM  
mann@multiproxy.evsc.virginia.edu; Postmaster@mailhost.gkss.de

Delivery Notification: Delivery has failed

Content-type: text/plain; charset=us-ascii

Content-language: EN-US

This report relates to a message you sent with the following header fields:

Message-id: <3.0.6.32.20001003093049.00acb780@multiproxy.evsc.virginia.edu> Date:Tue,03 Oct 2000  
09:30:49 -0400

From: "Michael E. Mann" <mann@multiproxy.evsc.virginia.edu>



To: Nanne Weber <weber@knmi.nl>, Hans.von.Storch@gkss.de, wanner@giub.unibe.ch,  
Oyvind.Nordli@dnmi.no, j.jones@gkss.de, weber@knmi.nl

Subject: Re: tentative list of invitees to Charlottesville meeting

Your message cannot be delivered to the following recipients: Recipient address: j.jones@pasunl.gkss.de

Original address: j.jones@gkss.de

Reason: Remote SMTP server has rejected address

Diagnostic code: smtp;550 <j.jones@pasunl.gkss.de>...User unknown

Remote system: dns;pasunl.gkss.de {TCP1141.4.4.18149521141.4.7.1125} (pasunl.gkss.de ESMTP Sendmail  
8.8.8+Sun/8.8.8; Tue, 3 Oct 2000 15:23:54 +0200 [MET DSTJ])

Original-envelope-id: 01JUWLKRKJ36CKOH2H@GKSS.de

Reporting-MTA: dns;GKSS.de

Action: failed

Status: 5.0.0 (Remote SMTP server has rejected address) Original-recipient: rfc822;j.jones@gkss.de

Final-recipient: rfc822;j.jones@pasunl.gkss.de

Remote-MTA: dns;pasunl.gkss.de (TCP 1141.4.4.18149521141.4.7.1125)

{pasunl.gkss.de ESMTP Sendmail 8.8.8+Sun/8.8.8; Tue, 3 Oct 2000 15:23:54 +0200 [MET DST]}

Diagnostic-code: smtp;SSO <j.jones@pasunl.gkss.de>... User unknown

Return-path: <mann@multiproxy.evsc.virginia.edu>

Received: from pasunl.gkss.de by GKSS.de (PMDF V5.2-33 #40858) id  
<01JUWLKSNJ6CL93UZ@GKSS.de> (original mail from mann@multiproxy.evsc.virginia.edu); Tue,  
3 Oct 2000 15:23:51 MET-DST

Received: from CONVERSION-DAEMON by GKSS.de (PMDF V5.2-33 #40857) id <01J  
UWLKRGSEOCKOH2H@GKSS.de> for j.jones@pasunl.gkss.de {ORCPT rfc822;j.jones@gkss.de}; Tue, 3  
Oct 2000 15:23:49 MET-DST

Received: from mail.virginia.edu {mail.Virginia.EDU [128.143.2.9]} by GKSS.de (PMDF V5.2-33 #40858)  
with SMTP id

<01JUWLKQ6ENQCL941T@GKSS.de> for j.jones@pasunl.gkss.de (ORCPT rfc822;j.jones@gkss.de); Tue,  
03 Oct 2000 15:23:48 +0200 (MET-DST)

Received: from fsrv.clas.virginia.edu by mail.virginia.edu id aa24827; Tue,

03 Oct 2000 09:23 -0400 (EDT)

Received: from MannPC.virginia.edu (mannpc.evsc.Virginia.EDU [128.143.42.178]) by fsrv.clas.Virginia.EDU (8.9.3/8.9.3)

with SMTP id JAA16600; Tue,

03 Oct 2000 09:23:39 -0400

Date:Tue,03 Oct 2000 09:30:49 -0400

From: "Michael E.Mann" <mann@multiproxy.evsc.virginia.edu> Subject: Re: tentative list of invitees to Charlottesville meeting In-reply-to:<200010031001.KAA03364@bgwd17.knmi.nl>

X-Sender: mann@multiproxy.evsc.virginia.edu

To: Nanne Weber <weber@knmi.nl>,Hans.von.Storch@gkss.de, wanner@giub.unibe.ch, Oyv ind.Nordli@dnmi.no, j.jones@gkss.de, weber@knmi.nl

Cc: mann@virginia.edu

Message-id:<3.0.6.32.20001003093049.OOacb780@multiproxy.evsc.virginia.edu> MIME-version:1.0

X-Mailer:QUALCOMM Windows Eudora light Version 3.0.6 (32) Content-type: text/plain; charset=us-ascii

Content-transfer-encoding: 7BIT Dear Nanne and others,

Thanks for your message.

My understanding is that we're aiming for about 40-50 people, which would include about 15 from the U.S., and about

35-40 from the participating European countries.

I have already put together a list of U.S. participants that I believe need to be involved. It happens to overlap quite well those suggested by Nanne below. Not all will come:

R.Bradley M.Hughes J. Overpeck T. Crowley E. Cook

R. Webb M. Cane M. Evans D. Battisti K.Hughen D.Rind

J. Lean

J. Cole

E. Sarachik

C. Woodhouse

T. Delworth

In addition, we will need to invite program managers from the sponsoring U.S. agencies (these come free of expense!) Mark Eakin (NOAA)

Steve Coleman (actually, likely his replacement at NSF)

I'm happy to discuss this, and interested to see the list of proposed European participants...

I'll be teaching most of the day, and leaving in the afternoon for 1 week, so we should plan to discuss again after I return next week.

best regards, mike

At 10:01AM 10/3/00 GMT, Nanne Weber wrote:

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>

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>financial contribution and number of participants) seemed OK to me. I

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>for certain half november.

>

>Regards,

>

>Nanne

>

>

>

>+++++

>Dr. S. L. Weber

>Royal Netherlands Meteorological Institute (KNMI)

>P.O. Box 201, 3730 AE De Bilt

>The Netherlands

>

>phone +3130 2206756

>e-mail weber@knmi.nl

fax +3130 2202570 <http://www.knmi.nl/> weber

>+++++

>

>Draft list of invitees to Charlottesville meeting,

>17-20 April 2001

>

>\*Ray Bradley, US

>

>\*Tom Crowley, US

>

>\*T. Delworth, US

>

>\*Joel Guiot, France

>

>\*Phil Jones, Keith Briffa and/or Tim Osborn,CRU,UK

>

>\*Judith Lean and/or Juerg Beer {solar variability}

>

>\*Thomas Stocker and/or Christof Appenzeller,Physics Institute,Bern

>

>

>

Professor Michael E. Mann

Department of Environmental Sciences,Clark Hall

University of Virginia

Charlottesville,VA 22903

e-mail: [mann@virginia.edu](mailto:mann@virginia.edu) Phone: (804) 924-7770 FAX: (804) 982-2137

<http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent; To:

Cc:

Subject:

Dear Nanne and others, Thanks for your message.

Michael E. Mann <mann@multiproxy.evsc.virginia.edu> Tuesday, October 03, 2000 9:31AM

Nanne Weber; storch@gkss.de;wanner@giub.unibe.ch;Oyvind.Nordli@dnmi.no;

jjones@gkss.de;weber@knmi.nl mann@virginia.edu

Re: tentative list of invitees to Charlottesville meeting

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35-40 from the participating European countries.

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>think that it is likely that I can contribute as suggested;I will know

>for certain half november.

>

>Regards,

>

>Nanne

>

>

>  
>+++++

>Dr. S. L. Weber  
>Royal Netherlands Meteorological Institute { KNMI)  
>P.O. Box 201,3730 AE De Bilt  
>The Netherlands

>  
  
>phone +3130 2206756  
>e-mail weber@knmi.nl

fax +3130 2202570  
<http://www.knmi.nl/weber>

>+++++

>  
>Draft list of invitees to Charlottesville meeting,  
>17-20 April 2001  
>  
>\*Ray Bradley,US  
>  
>\*Tom Crowley, US  
>  
>\*T. Delworth, US  
>  
>\*Joel Guiot,France  
>  
>\*Phil Jones, Keith Briffa and/or Tim Osborn,CRU,UK  
>  
>\*Judith Lean and/or Juerg Beer (solar variability)



>

>\*Thomas Stocker and/or Christof Appenzeller,Physics Institute, Bern

>

>

>

Professor Michael E.Mann

Department of Environmental Sciences,Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail:mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137

<http://www.evsc.virginia.edu/faculty/people/rmann.html>

From: Sent: To: Subject:

PMDF e-Mailinterconnect <Postmaster@mailhost.gkss.de> Thursday, October 12, 2000 10:20 AM  
mann@multiproxy.evsc.virginia.edu; Postmaster@mailhost.gkss.de

Delivery Notification: Delivery has failed

Content-type: text/plain; charset=us-ascii

Content-language: EN-US

This report relates to a message you sent with the following header fields:

Message-id: <3.0.6.32.20001012102755.OOb14d20@multiproxy.evsc.virginia.edu> Date:Thu,12 Oct 2000 10:27:55 -0400

From: "Michael E. Mann" <mann@multiproxy.evsc.virginia.edu>

To:Nanne Weber <weber@knmi.nl>,Hans.von.Storch@gkss.de, wanner@giub.unibe.ch, Oyvind.Nordli@dnmi.no,j.jones@gkss.de, weber@knmi.nl

Subject: Re: tentative list of invitees to Cha rlottesv ille meeting

Your message cannot be delivered to the following recipients: Recipient address: j.jones@pasun1.gkss.de

Original address:j.jones@gkss.de

Reason:Remote SMTP server has rejected address

Diagnostic code:smtp;550 <j.jones@pasun1.gkss.de>... User unknown

Remote system: dns;pasunl.gkss.de (TCP1141.4.4.17 1 23561141.4.7.1125) (pasun1.gkss.de ESMTP Sendmail 8.8.8+Sun/8.8.8; Thu,12 Oct 2000 16:19:50 +0200 [MET DST])

Original-envelope-id:01JV98620JTUCKOT33@GKSS.de

Reporting-MTA: dns;GKSS.de

Action: failed

Status: 5.0.0 (Remote SMTP server has rejected address) Original-recipient: rfc822;j.jones@gkss.de

Final-recipient: rfc822;j.jones@pasunl.gkss.de

Remote-MTA: dns;pasunl.gkss.de (TCP1141.4.4.17 1 23561141.4.7.1125) (pasun.lgkss.de ESMTP Sendmail 8.8.8+Sun/8.8.8; Thu,12 Oct 2000 16:19:50

+0200 [MET DST])

Diagnostic-code:smtp;550 <j.jones@pasunl.gkss.de>... User unknown

Return-path:<mann@multiproxy.evsc.virginia.edu>

Received: from pasun.lgkss.de by GKSS.de (PMDF V5.2-33 #40857) id <01JV9863DNZMCKORXO@GKSS.de> (original mail from mann@multiproxy.evsc.virginia.edu);Thu,

12 Oct 2000 16:19:40 MET-DST

Received: from CONVERSION-DAEMON by GKSS.de (PMDF VS.2-33 #40857) id <01JV9862L1M8CKOT33@GKSS.de> for j.jones@pasunl.gkss.de (ORCPT rfc822;j.jones@gkss.de); Thu,12 Oct 2000 16:19:39 MET-DST

Received: from mail.virginia.edu (mail.Virginia.EDU [128.143.2.9]) by GKSS.de (PMDF V5.2-33 #40857) with SMTP id

<01JV9861KC82CKORRA@GKSS.de> for j.jones@pasunl.gkss.de (ORCPT rfc822;j.jones@gkss.de);Thu, 12 Oct 2000 16:19:39 +0200 (MET-DST)

Received: from fsrv.clas.virginia.edu by mail.virginia.edu id aa13188; Thu,

12 Oct 200010:19-0400 (EDT)

Received: from MannPC.virginia.edu (mannpc.evsc.Virginia.EDU [128.143.42.178]) by fsrv.clas.Virginia.EDU (8.9.3/8.9.3)

with SMTP id KAA16730;Thu,

12 Oct 2000 10:19:41-0400

Date:Thu,12 Oct 2000 10:27:55 -0400

From: "Michael E. Mann" <mann@multiproxy.evsc.virginia.edu> Subject: Re:tentative list of invitees to Charlottesville meeting

X-Sender: mann@multiproxy.evsc.virginia.edu

To: Nanne Weber <weber@knmi.nf>, Hans.von.Storch@gkss.de,wanner@giub.unibe.ch, Oyvind.Nordli@dnmi.no, j.jones@gkss.de,weber@knmi.nl

Message-id: <3.0.6.32.20001012102755.00b14d20@multiproxy.evsc.virginia.edu> MIME-version: 1.0

X-Mailer:QUALCOMM Windows Eudora light Version 3.0.6 (32) Content-type: text/plain;charset=us-ascii

Content-transfer-encoding: 7BIT Dear Nanne and others,

We should add one more name, H. Diaz, to the list below of American attendees. It would be worth our discussing soon the full list of European invitees.

As I mentioned to Nanne in a previous email,I'm hoping that many of these individuals will be able to come fully funded or at least partially funded.

Roughly speaking,I think that the 10K provided by the U.S. will cover this travel support for the 16 individuals listed below,as well as a local administrative assistant for the conference. I am currently looking into possibilities for the latter, and will keep you all posted...

Please let me know if any questions.Thanks, mike

>R. Bradley

>M. Hughes

>J. Overpeck

>T.Crowley

>E. Cook

>R. Webb

>M. Cane

>M. Evans

>D. Battisti

>K.Hughen

>D. Rind

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>best regards,

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>At 10:01AM 10/3/00 GMT, Nanne Weber wrote:

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>>

>>Regards,

>>

>>Nanne

>>

>>

>>

>>+++++

»Dr. S. L. Weber

» Royal Netherlands Meteorological Institute (KNMI)

»P.O.Box 201,3730 AE De Bilt

» The Netherlands

>>

» phone +3130 2206756

»e-mail weber@knmi.nl

fax +3130 2202570 <http://www.knmi.nl/>"weber

>>+++++

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»Draft list of invitees to Charlottesville meeting,

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e-mail:mann@virginia.edu Phone:(804) 924-7770 FAX: (804) 982-2137

<http://www.evsc.virginia.edu/facultyIpeople/mann.html>

From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Sunday, October 29, 2000 8:42 AM Hans.von.Storch@gkss.de

Michael E. Mann

Re: charlotteville

Hi Hans,

Yes, unfortunately, as I warned,I am •extremely\* busy this semester, and thus it is impossible for us to make too much progress w/out some administrative support, etc. I cannot perform the organizational tasks for this

workshop without considerable help. This is why I am seeking to secure the NSF support soon, so we can hire an administrative assistant.

With regard to your specific comments about participatns, etc., apparently we may have a misunderstanding here, particularly with regard to the distinction between "participants" and "invitees". I have been following what I believe is the standard procedure for previous PAGES/CLIVAR meetings, which is what I see this as being.

In these cases, a list of participants has been agreed upon beforehand by the planners, and there is in fact no distinction between "participants" and "invitees" in general that I am familiar with in past meetings, though certain participants often have more prominent speaking roles. The group of participants are invited, and the available funding distributed among the subset (hopefully large) that respond positively to that invitation (in the case of the 16 or so U.S. participants I have listed, most have informally indicated to me that they can come. Incidentally, some of the Europeans on the list, e.g. Tim Osborn, have informally indicated to me that they probably cannot make it.

I have assumed from the start that we would have 40-50 total participants, with the breakdown among countries (or "partners" as you term it) discussed earlier, and would use the available funding to support as uniformly as possible among all participants. For administrative reasons, it appears that it will probably be easiest to use the funding internally within the participating countries, which works out just about right. This gives us about 8K (10K provided by NSF-2K for administrative support and facilities costs) for about 16 U.S. participants, or an average of \$500 per participant, which should be appropriate.

I'm assuming that the other support available from the participating European partners can then be used to defray costs for European participants, with hopefully a modest additional contribution from the European partners towards administrative and facilities support for the Charlottesville meeting). I would happily leave it up to each of the partners

to decide how this is best accomplished.

Hopefully this clarifies things. Please let me know if there is still a communication gap with respect to the above. Thanks,

mike

At 05:14 PM 10/29/00 +0100, Hans von Storch wrote:

>Dear Mike,

>

>the speed of progress with planning our meeting is a bit bumpy. It

>seems that the money problems are solved, but we have some



>misunderstandings concerning participants.

>SO far we said that we have two groups,namely participants from the

>various partners, and invitees. The partner would essentially pay for

>their participants,whereas the funds would be used for the travel

>costs of the invitees plus generalorganisation costs.

>

>That means, the partners have to list "their" participants. Nanne and

>Heinz the two groups. Do you think that you could come up with a list

>of "your" participants, so that we all together can agree on the list

>on invitees. As long as we do not know who of the North Americans is

>coming (or is asumed to come) in any case, we can not really discuss

>the invitee list.

>

>Attached please find the latest planning.

>

>Regards

>

>Hans

>

>

>

><http://w3g.gkss.de/staff/starch/charlotteville.money.htm>

>--

> -----

> Hans von Storch

> Institute of Hydrophysics;GKSS Research Center

> Max-Planck-Strasse;21502 Geesthacht;Germany

> Phone:+49{4152}87-1831;fax:+49{4152}87-2832

> home fax: +49 4153 582 522 ph + 49 4153 543 36

>  
>http://w3g.gkss.de/staff/storch  
>  
>  
>Content-type: text/html; name=charlotteville.money.htm;  
>charset=us-ascii  
>Content-disposition:inline; filename=charlotteville.money.htm  
>Content-transfer-encoding: 7BIT  
>Content-Base: "http://w3g.gkss.de/staff/storch/charlotteville.money.htm"  
>Content-Location: "http://w3g.gkss.de/staff/storch/charlotteville.money.htm"  
>  
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> <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">  
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> <meta name="GENERATOR" content="Mozilla/4.73 [en] {X11; U; SunOS  
>5.5.1sun4m) [Netscape]"> </head> <body text="#000000"  
>bgcolor="#FFFFFF" link="#0000FF" vlink="#FF0000" alink="#000088"> <font  
>size=+2>Workshop: "Reconstructing Late Holocene Climate"</font> <p>in  
>Charlotteville, Va.  
><p>17-20 April 2001  
>  
><p><u>Covenors:</u> Mike Mann (U of Virginia), Hans von Storch (GKSS  
>Research Centre, Germany), Nanne Weber (KNMI, Netherlands), Heinz  
>Wanner {U of Bern,  
>  
>Switzerland) and Oyvind Nordli (Norway)  
>  
><p>We expect about 50 participants, about 35 would come from various  
>interested partners (for instance: 10 US, 10 German, 5 Dutch, 5 Swiss

>and 3 Norwegian

>+ 2 others).These participants would cover their own travelcosts.

>+ Another

>15 participants would be invited (for instance 5 US,5 UK,S&nbsp;others).

><p>We expect costs for

><br>-local arrangement&nbsp;and on-site and preparational

>organisational

>work:\$ 2500

><br>- travel costs for invitees: \$2500 for UK and others, \$1000 for UK.

><p>Thus,we would need funding of 32,500\$.

><p>The following amounts have been tentatively agreed to:

><p>10,000 \$ from US agencies

><br>10,000 \$from German agencies (confirmed by Storch) <br>&nbsp;

>5,000 \$from Dutch agencies (confirmed by Weber) <br>&nbsp; 5,000\$

>from Swiss agencies (confirmed by Wanner) <br>&nbsp; 2,000 \$ from

>Norwegian agencies (confirmed by Nordli) <p>Additionally, we could

>charge a moderate fee from the participants for covering unexpected

>costs.

><p>Purpose and scope of the workshop are described in&nbsp;<a

>href="http://w3g.gkss.de/staffIstarch/charlotteville.0401.htm">this

>webpage</a>

><br>&nbsp;

><br>

><u>Suggested participants form participating partners:</u> <br>

>

><p>US: R. Bradley, Hughes,J. Overpeck,T. Crowley,E. Cook, R. Webb,

>M. Cane, M.Evans, D. Battisti,K. Hughen. D.Rind,J.Lean, J. Cole,

>E. Sarachik,C. Woodhouse, T.Delworth,H. Diaz, (max 10)

>

><p>D: H. von Stach. F. Gonzalez,J. Jones,M. Widmann,J. Negendank, H.

>Miller, M. Schwager (7,max 10)

>

><p>NL: N. Weber,G.vander Schrier, H. Renssen, B. van Geel, R.

>vanderWal {5,,max 5}

>

><p>CH: H. Wanner,C. Pfister,T. Stocker,J . Luterbacher (4, max 5)

>

><p>N: &Oslash;vind Nordli (1; max 3)

>

>

>

><br><br><br><u>Suggested invitees</u>

>

><br>R. Glaser (W&uuml;nburg), M. Claussen (D),Barriendos (Barcelona,ES), Brazdil (Brno, CZ),P. Jones, K. Briffa,T. Osborn {UK}, J . Guiot (F), T. Delworth (US),J.Beer(?) M. Barriendos (?), K.R.Laird,D. Verschuren or F. Gasse (N.African lakes), Bernhard Reichert,J.Patzold or T. Felis (Bremen) .

>

>(10)

>

>

><br><br><u>Other participants</u> (no costs) <br>Mark Eakin (NOAA),

>Steve Coleman {NSF}

>

><br>&nbsp;

><br>&nbsp;

><br>&nbsp;

><br>&nbsp;

></body>

></html>

>

From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Sunday, October 29, 2000 12:23 PM Hans.von.Storch@gkss.de

Michael E. Mann

Re: charlotteville

HiHans,

Thanks too for your quick reply. Its a beautiful fall day here in Charlottesville . First major cold front of the season making its way through the area...

Yes,this sounds fine to me. I agree that we probably need to start contacting people now. Why don't we "informally" notify prospective participants over the next few weeks {I'll notify the 16 or so U.S. people, and leave it to you, Nanne, Heinz and others to notify the Europeans). Then, sometime in the next couple months,we can send out the formal invitations,indicating expected level of support, etc. Does this sound like a good plan to pursue?

I'll be using Brenda Morris (my J. Climate editorial assistant) as the administrative assistant (she's happily agreed to take on this job). The advantage is that I can start asking her to do stuff for the workshop on good faith, with an understanding that the financial support will come in later.

Please let me know how the above sounds. Thanks, mike

At 07:54 PM 10/29/00 +0100, Hans von Storch wrote:

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>  
>Hans

>  
>  
>

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>> >

»><http://w3g.gkss.de/staff/storch/charlotteville.money.htm>

>> >--

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>> >

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>> >

Hans von Storch

Institute of Hydrophysics;GKSS Research Center

Max-Pianck-Strasse;21502 Geesthacht;Germany Phone:+49(4152)87-1831;fax:+49(4152)87-2832 home fax:  
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»»<font size="+2">Workshop: "Reconstructing late Holocene

»»Climate" </font> <p>in Charlottesville, Va.

»»<p>17-20 April 2001

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»»<p>Thus, we would need funding of 32,500\$.

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»»<p>10,000 \$from US agencies

»»<br>10,000 \$from German agencies (confirmed by Storch) <br>&nbsp;

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>> href="http://w3g.gkss.de/staff/storch/charlotteville.0401.htm">this

»»webpage</a>

»»<br>&nbsp;

>> ><br>

»»<u>Suggested participants from participating partners:</u> <br>

>> >

»»<p>US: R. Bradley,Hughes, J. Overpeck,T. Crowley, E. Cook,R. Webb,M.

»Cane, M. Evans, D.Battisti,K. Hughen.D. Rind,J. Lean,J . Cole, E.

»Sarachik, C. Woodhouse,T. Delworth, H. Diaz,(max 10)

>> >

»»<p>D: H. von Stach. F. Gonzalez,J. Jones, M. Widmann,J. Negendank, H.

»Miller,M. Schwager (7,max 10)

>> >

»»<p>NL: N. Weber,G.vander Schrier, H. Renssen, B. van Geel , R.

»vanderWal

»(5, ,max 5)

>>>

»»<p>CH: H. Wanner,C. Pfister,T. Stocker,J. Luterbacher (4, max 5)

>>>

»»<p>N: &Oslash;vind Nordli (1; max 3)

>>>

>>>

>>>

»»<br><br><br><u>Suggested invitees</u>

>>>

»»<br>R.Glaser (W&uuml;nburg),M. Claussen (D),Barriendos

»»(Barcelona, ES),

»Brazdil (Brno,CZ), P. Jones,K. Briffa,T. Osborn (UK),J. Guiot (F), T.

»Delworth (US), J.Beer(?) M.Barriendos (?), K.R. laird,D. Verschuren or F.

»Gasse (N.African lakes), Bernhard Reichert,J.Patzold or T. Felis (Bremen).

>>>

»»(10)

>>>

>>>

»»<br><br><u>Other participants</u> (no costs) <br>Mark Eakin (NOAA),

»»Steve Coleman (NSF)

>>>

»»<br>&nbsp;

»»<br>&nbsp;

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»»</body>

»»</html>

>>>

>>

» Professor Michael E. Mann

» Department of Environmental Sciences, Clark Hall  
» University of Virginia  
» Charlottesville, VA 22903  
>>

>>e-mail:mann@virginia.edu Phone:(804) 924-7770 FAX: (804) 982-2137

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>

>--

>-----

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>

><http://w3g.gkss.de/staff/storch>

>

>

>

>

>

From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Sunday, October 29, 2000 1:42 PM Hans.von.Storch@gkss.de

Michael E. Mann

Re: charlotteville

HiHans,

Yes, unfortunately, as I warned, I am \*extremely\* busy this semester, and thus it is impossible for us to make too much progress w/out some administrative support, etc. I cannot perform the organizational tasks for this workshop without considerable help. This is why I am seeking to secure the NSF support soon, so we can hire an administrative assistant.

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><http://w3g.gkss.de/staff/storch/charlotteville.money.htm>

>--

> -----

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>

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<http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To:

Subject.:

Hans.von.Storch@gkss.de on behalf of Hans von Storch <[Hans.von.Storch@gkss.de](mailto:Hans.von.Storch@gkss.de)> Sunday, October 29, 2000 1:54 PM

Michael E.Mann

Re: charlotteville

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16 North American participants, while we others decide on the remaining 32. If you later find out that somebody can't come and you want to replace him or her: no problem. If somebody from here finds that some other US or Canadians should be invited, then they should say so.

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From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Sunday, October 29, 2000 5:23 PM Hans.von.Storch@gkss.de

Michael E. Mann

Re:charlotteville

Hi Hans,

Thanks too for your quick reply. Its a beautiful fall day here in Charlottesville. First major cold front of the season making its way through the area...

Yes, this sounds fine to me. I agree that we probably need to start contacting people now. Why don't we "informally" notify prospective participants over the next few weeks (I'll notify the 16 or so U.S. people, and leave it to you, Nanne, Heinz and others to notify the Europeans). Then, sometime in the next couple months, we can send out the formal invitations, indicating expected level of support, etc. Does this sound like a good plan to pursue?

I'll be using Brenda Morris (my J . Climate editorial assistant) as the administrative assistant (she's happily agreed to take on this job). The advantage is that I can start asking her to do stuff for the workshop on good faith, with an understanding that the financial support will come in later.

Please let me know how the above sounds. Thanks, mike

At 07:54PM 10/29/00 +0100, Hans von Storch wrote:

>HiMike, thanks for this speedy response. Why don't we come to a simply practical

>solution, namely that you now pick 16 North American participants,

>while we others

>decide on the remaining 32. If you later find out that somebody can't

>come and you

>want to replace him or her: no problem. If somebody from here finds

>that

some other

>US or Canadians should be invited, then they should say so.

>

>Be assured that we will be flexible in the whole process. But we need

>to approach

>the European participants asap- early booking helps to limit the budget.

>

>I think we can organize this relatively easily so that there will be

>rather limited

>pressure on you and your time.

>

>Regards

>

>Hans

>

>

>

>"Michael E. Mann" wrote:

>

>>Hi Hans,

>>

>>Yes,unfortunately, as I warned,I am *\*extremely\** busy this semester,

»and thus it is impossible for us to make too much progress w/out some

»administrative support,etc. I cannot perform the organizational

»tasks for this workshop without considerable help. This is why I am

»seeking to secure the NSF support soon, so we can hire an administrative assistant.

>>

»With regard to your specific comments about participants, etc.,

»apparently we may have a misunderstanding here,particularly with

»regard to the distinction between "participants" and "invitees". I

»have been following what I believe is the standard procedure for

»previous PAGES/CLIVAR meetings, which is what I see this as being.

>>

»In these cases, a list of participants has been agreed upon

»beforehand by the planners, and there is in fact no distinction

»between "participants" and "invitees" in general that I am familiar

»with in past meetings, though certain participants often have more

»prominent speaking roles. The group of participants are invited, and

»the available funding distributed among the subset (hopefully large)

»that respond positively to that invitation (in the case of the 16 or

»so U.S. participants I have listed, most have informally indicated to

»me that they can come. Incidentally, some of the Europeans on the

»list, e.g. Tim Osborn, have informally indicated to me that they probably cannot make it.

>>

»I have assumed from the start that we would have 40-50 total

»participants, with the breakdown among countries (or "partners" as

»you term it) discussed earlier, and would use the available funding

»to support as uniformly as possible among all participants. For

»administrative reasons, it appears that it will probably be easiest

»to use the funding internally within the participating countries,

»which works out just about right. This gives us about 8K (I OK provided

»by NSF-2K for administrative support and facilities costs) for about 16 U.S.

>> participants, or an average of \$500 per participant, which should be

»appropriate.

>>

»I'm assuming that the other support available from the participating

»European partners can then be used to defray costs for European

»participants, with hopefully a modest additional contribution from

»the European partners towards administrative and facilities support

»for the Charlottesville meeting). I would happily leave it up to each

»of the partners to decide how this is best accomplished.

>>

»Hopefully this clarifies things. Please let me know if there is still

»a communication gap with respect to the above.

>>

>>Thanks,

>>

»mike

>>

»At 05:14PM 10/29/00 +0100, Hans von Storch wrote:

>> >Dear Mike,

>> >

»>the speed of progress with planning our meeting is a bit bumpy. It

»>seems that the money problems are solved,but we have some

»>misunderstandings concerning participants.

»>SO far we said that we have two groups,namely participants from the

»>various partners, and invitees. The partner would essentially pay

»>for their participants,whereas the funds would be used for the

»>travel costs of the invitees plus general organisation costs.

>> >

»>That means,the partners have to list "their" participants. Nanne

»>and Heinz the two groups.Do you think that you could come up with a

»>list of "your" participants,so that we all together can agree on

»>the list on invitees. As long as we do not know who of the North

»>Americans is coming (or is asumed to come) in any case, we can not

»>really discuss the invitee list.

>> >

»>Attached please find the latest planning.

>> >

»>Regards

>>>

>>>Hans

>>>

>>>

>>>

>>><http://w3g.gkss.de/staff/storch/charlotteville.money.htm>

>>>-

>>>-----

>>> Hans von Storch

>>> Institute of Hydrophysics; GKSS Research Center

>>> Max-Planck-Strasse; 21502 Geesthacht; Germany

>>> Phone: +49 (4152) 87-1831; fax:+49 (4152) 87-2832

>>> home fax: +49 4153 582 522 ph + 49 4153 543 36

>>>

>>><http://w3g.gkss.de/staff/storch>

>>>

>>>

>>>Content-type: text/html; name=charlotteville.money.htm;

>>>charset=us-ascii

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>>>Content-transfer-encoding:7BIT

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>>>Content-Location: "<http://w3g.gkss.de/staff/storch/charlotteville.money.htm>"

>>><!doctype html public "-//w3c//dtd html4.0 transitional/fen">

>>><html> <head>

>>> <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">

>>> <meta name="Author" content="Hans von Storch">

>>> <meta name="GENERATOR" content="Mozilla/4.73 [en] (X11; U;SunOS

>>>5.5.1



»sun4m) [Netscape]">

»</head>

»<body text="#000000" bgcolor="#FFFFFF" link="#0000FF" vlink="#FF0000"

»alink="#000088">

»<font size=+2>Workshop: "Reconstructing late Holocene

»Climate" </font> <p>in Charlottesville, Va.

»<p>17-20 April 2001

>> >

»<p><u>Covenors:</u> Mike Mann (U of Virginia), Hans von Storch (GKSS Research

»Centre, Germany), Nanne Weber (KNMI, Netherlands), Heinz Wanner (U

»of Bern,

»Switzerland) and Øyvind Nordli (Norway)

>> >

»<p>We expect about 50 participants, about 35 would come from various interested

»partners (for instance: 10 US, 10 German, 5 Dutch, 5 Swiss and 3

»Norwegian

»+ 2 others). These participants would cover their own travel costs.

>> >+Another

»15 participants would be invited (for instance 5 US, 5 UK, &nbsp; others).

»<p>We expect costs for

»<br>- local arrangement&nbsp; and on-site and preparational

»organisational

»work: \$ 2500

»<br>- travel costs for invitees: \$2500 for UK and others, \$1000 for UK.

»<p>Thus, we would need funding of 32,500\$.

»<p>The following amounts have been tentatively agreed to:

»<p>10,000 \$ from US agencies

»<br>10,000 \$ from German agencies (confirmed by Storch) <br>&nbsp;

»5,000 \$ from Dutch agencies (confirmed by Weber) <br>&nbsp; 5,000 \$

»from Swiss agencies (confirmed by Wanner) <br>&nbsp; 2,000 \$ from

»»Norwegian agencies (confirmed by Nordli) <p>Additionally, we could  
>>>charge a moderate fee from the participants for covering unexpected  
>>>costs.

»»<p>Purpose and scope of the workshop are described in&nbsp;<a  
>>><href="http://w3g.gkss.de/staff/starch/charlotteville.0401.htm">this  
>>>webpage</a>

»»<br>&nbsp;<br>

>> ><br>

»»<u>Suggested participants form participating partners:</u> <br>

>> >

»»<p>US:R. Bradley, Hughes, J. Overpeck,T. Crowley,E. Cook, R. Webb, M.

»Cane, M. Evans, D. Battisti,K. Hughen.D. Rind,J. lean,J. Cole,E.

»Sarachik,C. Woodhouse,T. Delworth, H. Diaz,(max 10)

»»<p>D: H. von Stech. F. Gonzalez,J. Jones,M. Widmann,J.Negendank,H.

» Miller,M. Schwager (7, max 10)

>> >

»»<p>NL:N. Weber,G.vander Schrier,H. Renssen, B. van Geel, R.

>> >vanderWal

» (5, ,max 5)

>> >

»»<p>CH: H. Wanner,C. Pfister,T. Stocker,J. Luterbacher (4, max 5)

>> >

»»<p>N: &Oslash;vind Nordli (1; max 3)

>> >

>> >

>> >

»»<br><br><br><u>Suggested invitees</u>

>> >

»»<br>R. Glaser (W&uuml;rzburg),M. Claussen (D), Barriendos

»>(Barcelona, ES),  
»Brazdil (Brno,CZ), P. Jones, K. Briffa,T. Osborn (UK),J. Guiot (F), T.  
»Delworth (US), J . Beer(?) M. Barriendos (?), K.R. Laird, D. Verschuren or F.  
»Gasse (N.African lakes), Bernhard Reichert,J.Patzold or T. Felis (Bremen) .

>> >

» >(10)

>> >

>> >

» ><br><br><u>Other participants</u> (no costs) <br>Mark Eakin (NOAA),

»>Steve Coleman (NSF)

>> >

»><br>&nbsp;

»><br>&nbsp;

»><br>&nbsp;

»><br>&nbsp;

»></body>

>> ></html>

>> >

>>

» Professor Michael E. Mann  
» Department of Environmental Sciences,Clark Hall  
» University of Virginia  
» Charlottesville, VA 22903

>>

»e-mail:mann@virginia.edu Phone:(804) 924-7770 FAX: (804) 982-2137

>> <http://www.evsc.virginia.edu/faculty/people/mann.html>

>

>--

> -----

>

>von

Storch

>

>Research

Center

>

Hans

Institute of Hydrophysics; GKSS Max-Planck-Strasse;21502

> Geesthacht; Germany

>

> (4152)

87-2832

>

> 4153

543 36

>

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<http://w3g.gkss.de/staff/storch>

>

>  
>  
>  
>

Professor Michael E. Mann  
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<http://www.evsc.virginia.edu/faculty/people/rmann.html>

From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@multiproxy.evsc.virginia.edu> Wednesday, November 01, 2000 10:13 AM  
Heinz Wanner;hans.von.storch@gkss.de; Oyvind.Nordli@dnmi.no;weber@knmi.nl mann@virginia.edu  
Re: Workshop Charlottesville

Dear all,

Your suggestions all sound very good. I've tried to trim the original list I provide for North American invitees because of redundancy. We can always go back to the original list if our first choices can't make it.

I think the list includes all the individuals who were suggested. I've provided a brief explanation of the contribution. Comments welcome. I'm hoping to informally notify individuals later this week...

mike

R. Bradley paleo general, high-res proxies

M. Hughes tree rings

J. Overpeck proxies general, some paleo modeling (w/ Rind et al) T. Crowley paleo general, paleo modeling

E. Cook statistical methods of reconstruction, tree rings

R. Webb paleo modeling

M. Cane paleo ENSO modeling

M. Evans corals, statistical climate reconstruction

D. Battisti paleo modeling, ENSO

K. Hughen laminated sediments, paleoreconstruction of decadal variability

J. Lean solar reconstructions, modeling response to solar {w/ D. Rind}

J. Cole corals

H. Diaz paleo general, historical records B. Reichert paleo modeling, downscaling Also attending:

Mark Aiken (NOAA program manager)

Un-named NSF Earth Systems History Program Manager (whoever is replacing S. Colman at that position)

At 03:23PM 11/1/00 +0100, Heinz Wanner wrote:

>Dear colleagues,

>

>I fully agree with your suggestions, especially with Hans' list II

>think a maximum of 5 (or rather 4) Swiss is okay. I think I will have

>some difficulties to get Tom Stocker and Chris Pfister to

>Charlottesville because they're also very busy this time next year. I'll do my best.

>

>Kind regards, Heinz

>  
>  
>  
>  
>\*\*\*\*\*

>Prof. Heinz Wanner  
>Institute of Geography  
>Climatology and Meteorology  
>Hallerstrasse 12  
>CH-3012 Bern (Switzerland)  
>Phone +41(0)3163188 85  
>Fax +41(0)3163185 11  
>e-mail wanner@giub.unibe.ch  
><http://www.giub.unibe.ch/klimet/>

>\*\*\*\*\*  
>  
>

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<http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To:  
Subject:

Brenda W. Morris <[bwm6q@virginia.edu](mailto:bwm6q@virginia.edu)> Thursday, March 29, 2001 11:20 PM [mann@virginia.edu](mailto:mann@virginia.edu)

Fwd: Re: HLHC Workshop

<x-flowed>

>From: David Battisti <david@atmos.washington.edu>

>Subject:Re:HLHC Workshop

>To: "Brenda W. Morris" <bwm6q@virginia.edu>

>Date: Tue, 27 Mar 2001 18:20:54 -0800 (PST)

>X-Mailer: ELM (version 2.5 PL2)

>

>I deeply regret that I can't come due to some family conflicts (and I

>am teaching two courses).

>

>I will look forward to seeing Prof. Mann in Seattle in early May, however.

>

>Cheers, David

>

>

>>

>> Hello everyone,

>>

>> Dr.Mann has finalized the program for the Reconstructing Late

>>holocene Climate Workshop. I am attaching it below since some of

>> you may not be able to easily open an attachment. Some of you have

>>indicated that you would like to see a list of attendees, so I am also including the list.

>>



>> I am looking forward to meeting each of you in April.

>>

>> Brenda Morris

>>

>>

>>\*\*\*\*\*•\*\*\*\*\*

>>

>> Reconstructing Late Holocene Climate

>>

>> Charlottesville, Virginia

>> April 17-20, 2001

>>

>>A scientific workshop sponsored by PAGES/CUVAR, NSF and NOAA

>> (Earth Systems History, United States), NRP (Netherlands), and GKSS

>> (Germany)

>>

>>Day 1: Tuesday April 17

>>

>>8:45AM: Refreshments;

>>Welcoming Remarks (M.Mann;H.von Storch) Logistics (Brenda Morris)

>>

>>9:00AM SESSION 1: Climate Reconstructions of the North Atlantic and

>> Neighboring Regions (Session Chair: K. Briffa; Rapporteur: K.

>>Huguen)

>>

>> J. Guiot (30 min) Reconstruction of European Climate -from

> Historical and

>>Proxy Data

>>

>> 0. Nordli

>>H.Miller

>Northern

Norwegian Norpast project

Reconstruction of Climate/Atmospheric Variability from

>>Greenland Ice Cores

>> M. Schwab European Terrestrial Records and Correlation w/ Greenland

>Ice Cores

>> M Barriendos

>>

Historical Documentary Evidence from Southern Europe

>> 10:50-11:10 AM Coffee & Refreshments

>>

>> R. Bra zil Documentary data and its use for climate

> reconstructions during

>>the past millenium in Europe

>> J. Luterbacher Reconstruction of Atlantic-European

> climate variability

>> (1500-2000)

>>H. Wanner Preferred Modes of Atlantic-European winter

>climate (1500-2000)

>>F.Gonzalez-Rouco North Atlantic Climate Variability in Tree Ring

>> Chronologies

>> E. Cook Proxy-Based Reconstructions of North Atlantic Climate

>>

>> 12:50 Discussion (led by H. Wanner)

>>

>> 1:10PM: Break for Lunch

>>

>> 2:30 PM SESSION 2:Drought Reconstructions (Session Chair: E. Cook;

>>Rapporteur: M. Evans)

>>

>> M. Hughes (30 min}      Multidecadal Drought in Western North America

>>

>> C. Woodhouse

>>A. Schwalb

>Great

>>Plains, USA

>>

Continental U.S.Drought Reconstructions

Late Holocene Centennial Drought Cyclicity in the

>> 3:40-4:00 PM Coffee & Refreshments

>>

>> K. Laird    Droughts in Eastern EquatorialAfrica

>> J. Negendank      Climate Oscillations in Varved Lake Records

>>H. Weiss    Third Millennium BC Drought and the Collapse of

>the Acadian Empire

>>

>>5:00PM Discussion (led by J. Overpeck)

>>

>>5:20PM Break for Day

>>

>>Day 2: Wednesday April18

>>

> > 8:45AM Refreshments

>>9:00AM SESSION 3: Records of ENSO and tropical Variability (Session Chair:

> > M. Mann;Rapporteur: S. Rutherford)

>>

> > M. Cane (30 min)            Use of paleorecords in understanding ENSO dynamics

>>

> >J.Cole

> > M. Evans

> > K. Hughen

>>

Coral Records of Tropical Climate Variability Reconstructions ofTropica I Pacific Variability Sediment  
Records of Tropical Atlantic Variability

> > 10:30 AM Discussion (led by J. Cole)

>>

> > 10:50-11:10 AM Coffee & Refreshments

>>

> > 11:10 AM SESSION 4: Large-Scale Climate Reconstruction (Session Chair:M.

>>Mann; Rapporteur:J. Luterbacher}

>>

> > R.Bradley (30 min}    Multiproxy Reconstructions of Past Climate

>Variability

>>

> > K. Briffa    Large-scale Temperature Reconstructions

>Based on Tree Ring Density

>> J.Jones A tree-ring Based Estimate of the Antarctic

>Oscillation

>>

>> 12:20 PM: Break for Lunch

>>

>> 1:40PM SESSION 4 (CONT): Large-Scale Climate Reconstruction

>>(Session

>> Chair: R. Bradley;Rapporteur: J. Luterbacher)

>>

>>A. Kaplan Large-scale Climate Reconstruction with Tree

>Rings and Corals

>> S. Rutherford Methodological Approaches to Multiproxy Climate

> Reconstruction

>>

>>2:20PM Discussion (led by M. Mann)

>>

>> 2:40 PM SESSION 5: Forced Climate Variability in Past Centuries

>>(Session

>>Chair: A. Kaplan; Rapporteur: B. Reichert}

>>

>> T. Crowley (30 min) Modeling Climate Change over the Past 1000 Years

>>

>> 3:10-3:30 PM Coffee & Refreshments

>>

>> J. Overpeck

>> J. Lean

> Centuries

>>H. Renssen

>>F. Wagner

>>

Climate Forcing and Response in Past Centuries

Reconstructions of Solar Forcing in Past

Solar Variability: Model/Data Intercomparison

CO2 reconstructions based on leaf stomata

>>4:50PM Discussion (led by R. Webb)

>>

>> 5:10 PM Break for Day

>>

>>Day 3: Thursday April19

>>

>>8:45AM Refreshments

>>

>> 9:00AM SESSION 6:Model/ Paleodata Comparison:Part 1(Session Chair:J.

>> Jones; Rappateur: M Widmann)

>>

>> H. Von Storch (30 min)

> Free, Forced,

>>and Data-Assimilated Runs

>>

Paleoclimate Modeling Strategies using

>> N. Weber Intermediate Complexity Modeling and Model/Data  
> Intercomparison  
>>G. Van de Schrier Sea-level/climate variability:ECBilt model  
> results and  
>>comparison w/ paleodata  
>> M Widmann Climate Model Assimilation w/ Paleodata Using  
> Pattern Nudging  
>>  
>> 10:30 AM Discussion {led by J. Jones)  
>>  
>> 10:50-11:10 AM Coffee & Refreshments  
>>  
>> 11:10 PM SESSION 7: Model/ Paleodata Comparison: Part 2 (Session Chair: A.  
>>Schwalb; Rapporteur: G. Van de Schrier)  
>>  
>> R . Webb (30 min) Comparison of Modeled and Observed Holocene Climate  
>>Variability  
>>  
>> D. Handorf Natural Variability of Atmospheric Circulation Regimes in  
>> Coupled Models  
>> B. Reichert Paleo Downscaling/Model Assimilation  
>>  
>> 12:20 PM Discussion (led by H. von Storch)  
>>  
>> 12:40 PM Break for Day  
>>  
>> 5:30-7:00 PM Reception, Mural Room,Clark Hall  
>>  
>>  
>> Day 4: Friday April 20

>>

>>9:00AM Informal discussion of future paleoclimate research

> > priorities and directions.

>>

> > 12:00 END OF WORKSHOP

>>

>>

>>\*\*\*\*\*

>>Dr. David Battisti

>>Dr. Raymond S. Bradley

>>Dr. Mark A. Cane

>>Dr. Julie Cole

>>Dr. Edward Cook

>>Dr. Thomas Crowley

>> Dr. Barbara Deluisi

>>Dr. C. Mark Eakin

>>Dr. Michael Evans

>> Dr. Konrad A. Hughen

>>Dr. Malcolm Hughes

>>Dr. Alexey Kaplan

>>Dr. Judith Lean

>>Dr. Michael Mann

>>Dr. Christopher Miller

>>Mr. Chris Moy

>>Dr. Jonathan Overpeck

>>Dr. Bernhard K.Reichart

>>Dr. Scott Rutherford

>>Dr. Anthony Socci

>> Dr. EdwardS.Sarachik



>>Dr. David Verardo  
>>Dr. Robert S. Webb  
>>Dr. Harvey Weiss  
>>Dr. Connie Woodhouse  
>>Dr. Mariano Barriendos  
>>Dr. Rudolf Brazdil  
>>Dr. Keith Briffa  
>>Dr. Hans-Juergen Donath  
>>Dr. Francoise Gasse  
>>Dr. J. Fidel Gonzalez-Rouco  
>>Dr. Joel Guiot  
>>Dr. Doerthe Handorf  
>>Dr. Julie M. Jones  
>>Dr. Kate Laird  
>>Dr. Juerg luterbacher  
>>Dr. Heinz Miller  
>>Dr. Joerg Negendank  
>>Dr. Oyvind Nordli  
>>Dr. Juergen Paetzold  
>>Dr. Hans Renssen  
>>Dr. Petter Sejrup  
>>Dr. Gerhard Schleser  
>>Dr. Antje Schwalb  
  
>>Dr. Markus J . Schwab  
>>Dr. Gerard van der Schrier  
>>Dr. Hans von Storch  
>>Dr. Frederieke Wagner  
>>Prof. Heinz Wanner  
>>Dr. S. L (Nanne) Weber

>>Dr. Martin Widmann

>>

>>

>

>

>-

>

>

>David Battisti

>(206) 543-2019

>or inJISAO

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>

EMAIL: david@atmos.washington.edu

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>Professor of Atmospheric Sciences

> and Director of JISAO

>Dept of Atmospheric Sciences

>University of Washington

>Box 351640

>Seattle WA 98195-1640

>

><http://www.atmos.washington.edu/david>

</x-flowed>

From: Sent: To:

Subject:

Mike MacCracken <mmaccrac@usgcrp.gov> Thursday, July 26, 2001 11:19 AM

Phil Jones; Tom Wigley; Kendai.McGuffie@uts.edu.au; Kendal McGuffie; Michael Mann;  
Tom Crowley; Karl Taylor; Judith Lean; Ray Bradley; Andre Berger; Dick Peltier; Richard  
Alley; Myles Allen; Simon Tett; David Karoly; Roger Pielke, Sr.; Alan Robock

Proposed Sessions for IUGG Sapporo, 2003

Two more things--please suggest any possible other people who might be willing to serve as conveners. And, of course, I do need responses at this point by this Friday.

Thanks, Mike

From: Sent: To:

Subject:

George M. Hornberger <hornberger@virginia.edu> Friday, April 20, 2001 12:33 PM

mann@virginia.edu

Conference

mike,

fyi(although you are probably one of the organizers for all iknow!). george

>Date: Fri, 20 Apr 2001 10:21:52 -0600

>From: Petr Chylek <Petr.Chylek@noaa.gov>

>X-Accept-Language: en

>To: gmh3k@virginia.edu

>Subject: Conference

>

>Dear George:

>

>I would like to bring to your attention a very special Conference,

>co-sponsored by the American Meteorological Society and the Canadian

>Meteorological and Oceanographic Society, to take place in Halifax,

>Nova

>

>Scotia, August 20-24, 2001, under the title of

>

>"The First International Conference on Global Warming and The Next Ice

>Age"

>

>The invited review talks will be presented by many top experts from

>different fields of climate change. The topics will include: ice core

>climate records, solar variability, surface and satellite temperature

>measurements, bore holes temperature records, climate of the polar

>regions, natural climate variability, NAO, ENSO, thermo-haline

>circulation,timing of the next ice age, paleoclimate, climate models

>and observations, and other climate related topics.

>

>The list of invited speakers includes:Jim Hansen (NASA-GISS), Hartmut

>Grassl (Max-Planck, Hamburg),Thomas Karl (NOAA-NCDC), Andre Berger

>(Louvain, Belgium), J. R. Petit (Grenoble),Jim Hurrell (NCAR),Jim

>White (CU), William Gray (CSU),Judy Lean (NRL),George Kukla

>(LDEO-Columbia), Charles Perry (USGS), Lloyd Keigwin (WHOI),John

>Christy (UAH), Allyn Clarke (BIO), Richard Peltier (U Toronto),Bruce

>Douglas (U Maryland),W. Sturges (FSU), Roger Pielke (CSU), Betsy

>Weatherhead (NOM-ARL),S. Thompson (OSU),Jerry North (TAMU),Jan

>Veizer (U Ottawa),Mark Serreze (CU),and few others. This will be an

>exciting meeting with plenty of time for discussions.

>

>The deadline for abstract submission is APRIL30, 2001.

>Post deadline papers will be accepted until AUGUST 1, 2001for poster

>presentation; or just come to participate in discussions.

>

>Additional information, registration instruction and updates can be

>found on our website [www.atm.dal.ca](http://www.atm.dal.ca)

>

>looking forward to see you at the Conference.

>

>Best regards,

>Petr Chylek

>Chair,Organizing Committee

>

>

>

>

>

George M. Hornberger

Department of Environmental Sciences

Clark Hall

University of Virginia

Charlottesville, VA 22903

Phone:804-924-6762

FAX: 804-982-2137

email: hornberger@virginia.edu

From: Sent: To:

Cc: Subject:

Dear Nanne and others, Thanks for your message.

Michael E. Mann <mann@multiproxy.evsc.virginia.edu> Tuesday, October 03, 2000 9:31AM

Nanne Weber; storch@gkss.de;wanner@giub.unibe.ch;Oyvind.Nordli@dnmi.no;

jjones@gkss.de; weber@knmi.nl mann@virginia.edu

Re: tentative list of invitees to Charlottesville meeting

My understanding is that we're aiming for about 40-50 people, which would include about 15 from the U.S., and about

35-40 from the participating European countries.

I have already put together a list of U.S. participants that I believe need to be involved. It happens to overlap quite well those suggested by Nanne below. Not all will come:

R. Bradley M. Hughes J. Overpeck T. Crowley E. Cook

R. Webb M. Cane M. Evans D. Battisti K. Hughen D. Rind

J. Lean

J. Cole

E. Sarachik

C. Woodhouse

T. Delworth

In addition, we will need to invite program managers from the sponsoring U.S. agencies {these come free of expense!} Mark Eakin (NOAA)

Steve Coleman (actually, likely his replacement at NSF)

I'm happy to discuss this, and interested to see the list of proposed European participants...

I'll be teaching most of the day, and leaving in the afternoon for 1 week, so we should plan to discuss again after I return next week.

best regards, mike

At 10:01AM 10/3/00 GMT, Nanne Weber wrote:

>

>Dear friends,

>

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>a workshop in Hamburg. We briefly discussed the Charlottesville

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>financial contribution and number of participants) seemed OK to me. I  
>think that it is likely that I can contribute as suggested; I will know  
>for certain half november.

>

>Regards,

>

>Nanne

>

>

>

>+++++

>Dr. S. L. Weber

>Royal Netherlands Meteorological Institute (KNMI)

>P.O. Box 201,3730 AE De Bilt

>The Netherlands

>

>phone +3130 2206756

>e-mail weber@knmi.nl

fax +3130 2202570

<http://www.knmi.nl/weber>



>+++++

>

>Draft list of invitees to Charlottesville meeting,

>17-20 April 2001

>

>\*Ray Bradley, US

>

>\*Tom Crowley,US

>

>\*T. Delworth, US

>

>\*Joel Guiot, France

>

>\*PhilJones,Keith Briffa and/or Tim Osborn,CRU, UK

>

>\*Judith Lean and/or Juerg Beer (solar variability)

>

>\*Thomas Stocker and/or Christof Appenzeller, Physics Institute,Bern

>

>

>

Professor Michael E. Mann

Department of Environmental Sciences, Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail: mann@virginia.edu Phone: {804} 924-7770 FAX: {804} 982-2137  
<http://www.evsc.virginia.edu/facultyIpeople/rmann.html>

From: Sent: To: Subject:

PMDF e-Mail Interconnect <Postmaster@mailhost.gkss.de> Tuesday, October 03, 2000 9:24 AM  
mann@multiproxy.evsc.virginia.edu;Postmaster@mailhost.gkss.de Delivery Notification: Delivery has failed

Content-type: text/plain;charset=us-ascii

Content-language:EN-US

This report relates to a message you sent with the following header fields: Message-id: <3.0.6.3  
2.20001003093049.00acb780@multiproxy.evsc.virginia.edu>

Date: Tue,03 Oct 2000 09:30:49 -0400

From: "Michael E. Mann" <mann@multiproxy.evsc.virginia.edu>

To: Nanne Weber <weber@knmi.nl>, Hans.von.Storch@gkss.de, wanner@giub.unibe.ch,  
Oyvind.Nordli@dnmi.no, j.jones@gkss.de, weber@knmi.nl

Subject: Re: tentative list of invitees to Charlottesville meeting

Your message cannot be delivered to the following recipients: Recipient address: j.jones@pasunl.gkss.de

Original address: j.jones@gkss.de

Reason: Remote SMTP server has rejected address

Diagnostic code: smtp;550 <j.jones@pasunl.gkss.de>... User unknown

Remote system: dns;pasunl.gkss.de (TCP 1141.4.4.18149521141.4.7.1125) (pasunl.gkss.de ESMTP Sendmail  
8.8.8+Sun/8.8.8; Tue, 3 Oct 2000 15:23:54 +0200 [MET DST])

Original-envelope-id: 01JUWLKRKJ36CKOH2H@GKSS.de

Reporting-MTA:dns;GKSS.de

Action: failed

Status: 5.0.0 (Remote SMTP server has rejected address) Original-recipient: rfc822;j.jones@gkss.de

Final-recipient: rfc822;j.jones@pasunl.gkss.de

Remote-MTA: dns;pasun1.gkss.de (TCP 1141.4.4.18149521141.4.7.1125)

(pasun1.gkss.de ESMTP Sendmail8.8.8+Sun/8.8.8;Tue, 3 Oct 2000 15:23:54 +0200 [MET DST]) Diagnostic-code: smtp;550 <j.jones@pasun1.gkss.de>... User unknown

Return-path: <mann@multiproxy.evsc.virginia.edu>

Received: from pasunl.gkss.de by GKSS.de (PMDF V5.2-33 #40858) id <01JUWLKSNJ6C193UZ@GKSS.de> (original mail from mann@multiproxy.evsc.virginia.edu);Tue, 3 Oct 2000 15:23:51MET-DST

Received: from CONVERSION-DAEMON by GKSS.de (PMDF V5.2-33 #40857) id <01JUWLKRGSEOCKOH2H@GKSS.de> for j.jones@pasunl.gkss.de (ORCPT rfc822;j.jones@gkss.de); Tue,3 Oct 2000 15:23:49 MET-DST

Received: from mail.virginia.edu (mail.Virginia.EDU [128.143.2.9]) by GKSS.de (PMDF V5.2-33 #40858) with SMTP id

<01JUWLKQ6ENQCL941T@GKSS.de> for j.jones@pasunl.gkss.de (ORCPT rfc822;j.jones@gkss.de); Tue, 03 Oct 2000 15:23:48 +0200 (MET-DST)

Received: from fsrv.clas.virginia.edu by mail.virginia.edu id aa24827;Tue, 03 Oct 2000 09:23 -0400 (EDT)

Received: from MannPC.virginia.edu (mannpc.evsc.Virginia.EDU [128.143.42.178]) by fsrv.clas.Virginia.EDU (8.9.3/8.9.3)

with SMTP id JAA16600;Tue,

03 Oct 2000 09:23:39 -0400

Date: Tue,03 Oct 2000 09:30:49 -0400

From: "Michael E. Mann" <mann@multiproxy.evsc.virginia.edu> Subject: Re: tentative list of invitees to Charlottesville meeting In-reply-to: <200010031001.KAA03364@bgwd17.knmi.nl>

X-Sender:mann@multiproxy.evsc.virginia.edu

To:Nanne Weber <weber@knmi.nl>,Hans.von.Storch@gkss.de,wanner@giub.unibe.ch, Oyvind.Nordli@dnmi.no, j.jones@gkss.de,weber@knmi.nl

Cc: mann@virginia.edu

Message-id: <3.0.6.32.20001003093049.00acb780@multiproxy.evsc.virginia.edu> MIME-version: 1.0

X-Mailer: QUALCOMM Windows Eudora Light Version 3.0.6 {32} Content-type: text/plain;charset=us-ascii

Content-transfer-encoding:7BIT Dear Nanne and others,

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>Nanne

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>

>

>+++++

>Dr. S. L. Weber

>Royal Netherlands Meteorological Institute (KNMI)

>P.O. Box 201,3730 AE De Bilt

>The Netherlands

>

>phone +31302206756

>e-mail weber@knmi.nl

fax +3130 2202570

<http://www.knmi.nlj-weber>

>+++++

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>Draft list of Invitees to Charlottesville meeting,

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>

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>

>\*T. Delworth,US

>

>\*Joel Guiot, France

>

>\*PhilJones, Keith Briffa and/or Tim Osborn, CRU,UK

>

>\*Judith lean and/or Juerg Beer (solar variability}

>

>\*Thomas Stocker and/or Christof Appenzeller, Physics Institute, Bern

>  
>  
>

Professor Michael E. Mann  
Department of Environmental Sciences, Clark Hall  
University of Virginia  
Charlottesville, VA 22903

e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137  
<http://www.evsc.virginia.edu/faculty/Ipeople/mann.html>

From: Sent: To: Subject:

Malcolm K. Hughes <mhughes@lrr.arizona.edu> Monday, April 09, 2015:27 PM mann@virginia.edu  
Workshop

Dear Mike- will there be facilities for Powerpoint presentations? If so, for what platforms? Cheers, Malcolm  
(please also reply to Mkhughes1@aol.com) Professor Malcolm K. Hughes Laboratory of Tree-Ring Research  
W. Stadium 105

University of Arizona Tucson, AZ 85721 phone 520-621-6470 fax 520-621-8229

From: Sent: To:

Cc:

Subject:

Malcolm K. Hughes <mhughes@lrr.arizona.edu> Friday, April 06, 2005:43 PM

Brenda W. Morris

Mkhughes1@aol.com;mhughes@lrr.arizona.edu; mann@virginia.edu

Re: Resent Messages

Dear Brenda -many thanks,I got the messages loud and clear, Malcolm

Quoting "Brenda W. Morris" <bwm6q@virginia.edu>:

> Dr. Hughes,

>

> Did you receive the message that I sent to you late last night?

> Anyway,I'm sending the messages again, and in case you are unable to

> open the attachments,I will send the messages below. Please for the

>\*\*\*\*\*to denote the end of one message and the beginning of the other one.

> Please let me know which of your email addresses is the better one for

> me to use.

>

> Brenda

>

> FIRST MESSAGE:

>

> March 10, 2001



>

>

>

>

> Dear Colleague:

>

> It is my pleasure to invite you to a workshop Reconstructing Late

> Holocene Climate, to take place in Charlottesville, Virginia, 17-19

> April 2001.

> The

> aim of the workshop is to investigate current applications of

> statistical, empirical and model-based methods to the general problem

> of paleoclimate reconstruction over the past few thousand years.

>

> This meeting is an official PAGES/CLIVAR event, and will address

> issues of key importance to PAGES/CLIVAR including:

>

> 1) The range of data available for paleoclimate reconstruction and

> assimilation with numerical models, limitations and strengths in the

> data both spatially, seasonally, and in terms of frequency-domain

> fidelity, temporal resolution, and temporal extent,

> 2) Model-based paleoclimate data assimilation and downscaling

> approaches, and

> 3) Applications of palaeoclimate reconstruction: e.g. variability of

> the North Atlantic Oscillation, Antarctic Oscillation, and ENSO.

>

> It is anticipated that approximately 50 scientists from Europe and

> North America will be in attendance. limited funding is available to

> cover the expenses of participants. It would thus be appreciated if

> participants could use alternative funding, if available, to cover part of the costs.

>

>

> We hope you will plan to attend this workshop. Please respond as soon

>as possible to Brenda Morris at bwm6q@virginia.edu. We will be

>providing a draft program in due course.

>

> Best Regards,

>

>

>

>

>

> Michael E.Mann

>

>

>ADDITIONAL INFORMATION:

>

>Travel and Reimbursement:

>

> You should have received information from Jennifer Giesler regarding

> the reimbursement of your travel expenses. Funding for travel is

> limited and individuals are expected to supplement costs with other

>available funds.

> There is a maximum level of roughly \$650 reimbursement available per

> person,with possible exceptions for individuals in need. You must

> provide receipts for all activities to be reimbursed. The policy is

>STRICTLY

>followed: per diem is not paid- receipts ARE needed for meals. Items

> such as car rentals, alcohol, and museum tickets are not covered. You

>are funded through NSF and as you know they have strict rules for the

> use of their funds.

>

>You can book the airfare yourself or you can book your ticket through

> your travelagent and have the ticket direct-billed to AGU. Please

>let Jennifer know if you want this latter option. Charlottesville

>does have an airport

> (CHO) and we have a fair amount of flights in and out of

>Charlottesville.

> Some of the international flights may have to be routed through

>Washington, D.C. and then take a flight into Charlottesville.

>

>Registration Fee: There will be a \$35.00 conference registration fee.

>This

> should be paid to Ms. Brenda Morris upon registration.

>

> Host and convener:

> Michael Mann, U of Virginia, USA (mann@virginia.edu) European

> co-conveners:

> Hans von Storch,GKSS Research Centre,Germany (storch@gkss.de)

> Nanne Weber KNMI,The Netherlands (weber@knmi.nl)

> Heinz Wanner,U of Bern,Switzerland (wanner@giub.unibe.ch)

>

> Meeting Location(s):

>

> The meeting will be held on-grounds of the University of Virginia. We

> have reserved the "South Meeting Room" at UVA's Newcomb Hall from 8:00

> a.m.-

>5:00p.m. for April17,18 & 19. We also have reserved the Odum Room

> in Clark Hall for Friday, April 20. Friday's reservation may not be  
> needed, but just in case some participants want to stay for an  
> informal meeting on Friday, we will have accommodations available.

>

> Hotels:

>

> We have 20 rooms reserved at the Best Western Cavalier Inn for arrival  
> on April 16 and departure on April 20. You MUST confirm your  
> reservation individually by March 16, 2001 and charge to your credit  
> card. The phone number is 1-804-296-8111. Doris Roach is the contact  
> person. (You must tell Cavalier Inn that you want a room in the RLHC  
> block). The cost will be \$59 plus 9% tax per day.

>

>

> We also have 45 rooms reserved at the Red Roof Inn for arrival on  
> April  
> 16

> and departure on April 20. You MUST confirm your reservation  
> individually by March 16, 2001 and charge to your credit card. The  
> phone number is 1-800-874-9000. Demetrius Caldwell is the contact  
> person. (You must tell Red Roof that you want a room in the RLHC  
> block). This hotel is a bit further than the Best Western Cavalier  
> Inn, but is conveniently located in the center of campus life. The  
> cost will be \$59.99 plus 9% tax per day.

>

> The Best Western Hotel and the Red Roof Inn are both within walking  
> distance of the meeting. However, for individuals who wish for  
> transportation, we will alert the local cab companies that they may be  
> receiving a large volume of calls for those days.

>

>

>

>

> Meals and Food:

>

>We will provide lunches on Tuesday, Wednesday and Thursday. If you  
>have special dietary needs or other considerations, please inform me  
>so that I can arrange meals that will be appropriate for you.

>

>About Charlottesville:

>

>Spring is such a beautiful time of the year in Charlottesville, with  
>pleasant and generally warm and sunny days. Ample opportunities for  
>sightseeing and recreational activities are available for those  
>participants who are interested. Among the local and nearby  
>attractions are Monticello (the home of Thomas Jefferson), the Blue  
>Ridge Mountains (less than an hour's drive), colonial Williamsburg (a couple hours'  
>drive),  
>and Washington DC (a couple hours' drive). For information on local  
>sights and events, log on to [www.virginia.edu](http://www.virginia.edu) and then choose "Things  
>to Do/UVA News". There is a list of scheduled events and also listing  
>of area historical places in the surrounding area of Charlottesville.

>

>

>\*\*\*\*\*

>

> Reconstructing Late Holocene Climate

>

>Charlottesville, Virginia

> April17-20,2001

>

>A scientific workshop sponsored by PAGES/CLIVAR, NSF and NOAA (Earth

>Systems History, United States), NRP (Netherlands), and GKSS (Germany)

>

> Day 1: Tuesday April17

>

>8:45AM: Refreshments;

>Welcoming Remarks {M.Mann;H. von Storch) Logistics (Brenda Morris)

>

>9:00AM SESSION 1:Climate Reconstructions of the North Atlantic and

> Neighboring Regions (Session Chair: K. Briffa;Rapporteur: K.Hughen)

>

> J. Guiot (30 min)

>and

>Proxy Data

>

> O. Nordli

Reconstruction of European Climate from Historical

Norwegian Norpast project

>H. Miller

>Northern

## Reconstruction of Climate/Atmospheric Variability from

>Greenland Ice Cores

> M. Schwab European Terrestrial Records and Correlation w/ Greenland Ice

>Cores

> M Barriendos Historical Documentary Evidence from Southern Europe

>

> 10:50-11:10 AM Coffee & Refreshments

>

> R.Brazdil

>during

>the past

> J. Luterbacher variability

> {1500-2000}

## Documentary data and its use for climate reconstructions

millenium in Europe

Reconstruction of Atlantic-European climate

>H. Wanner Preferred Modes of Atlantic-European winter climate

> (1500-2000)

> F. Gonzalez-Rouco North Atlantic Climate Variability in Tree Ring

>Chronologies

> E. Cook Proxy-Based Reconstructions of North Atlantic Climate

>

> 12:50 Discussion (led by H. Wanner)

>

> 1:10 PM: Break for lunch

>

>2:30PM SESSION 2: Drought Reconstructions (Session Chair: E. Cook;

> Rapporteur:M.Evans)

>

> M. Hughes ( 30 min)

>

>C. Woodhouse

>A. Schwalb

>Plains, USA

>

Multidecadal Drought in Western North America

Continental U.S. Drought Reconstructions

late Holocene Centennial Drought Cyclicity in the Great

> 3:40-4:00 PM Coffee & Refreshments

>

> K. Laird

>J. Negendank

>H. Weiss

4200 BP

Droughts in Eastern Equatorial Africa

Climate Oscillations in Varved Lake Records

Abrupt Holocene Climate Change Events at 8200,5200,



> 5:00 PM Discussion (led by J. Overpeck)

>

> 5:20 PM Break for Day

>

>Day 2: Wednesday April18

>

> 8:45 AM Refreshments

>9:00AM SESSION 3: Records of ENSO and tropicalVariability (Session

>Chair:

> M. Mann; Rapporteur: S. Rutherford)

>

> M. Cane {30 min)

>

> J. Cole

> M.Evans

> K. Hughen

>

Use of paleorecords in understanding ENSO dynamics

Coral Records of Tropical Climate Variability Reconstructions of Tropical Pacific Variability Sediment  
Records of Tropical Atlantic Variability

> 10:30 AM Discussion (led by J. Cole)

>

> 10:50-11:10 AM Coffee & Refreshments

>

> 11:10 AM SESSION 4: Large-Scale Climate Reconstruction (Session Chair:

>M.

> Mann;Rapporteur: J . Luterbacher)

>

> R. Bradley (30 min)            Multiproxy Reconstructions of Past Climate

>Variability

>

> K. Briffa

Tree Ring

> Density

> J. Jones

>

Large-scale Temperature Reconstructions Based on

A tree-ring Based Estimate of the Antarctic Oscillation

> 12:20 PM:Break for Lunch

>

> 1:40PM SESSION 4 (CONT): Large-Scale Climate Reconstruction

>(Session

>Chair: R.Bradley;Rapporteur: J. Luterbacher)

>

> A. Kaplan

>Corals

- > S.Rutherford
- > Reconstruction
- >

## Large-scale Climate Reconstruction with Tree Rings and

### Methodological Approaches to Multiproxy Climate

- > 2:20PM Discussion (led by M. Mann)
- >
- > 2:40 PM SESSION 5: Forced Climate Variability in Past Centuries
- > (Session
- > Chair: A. Kaplan; Rapporteur: B. Reichert)
- >
- > T. Crowley (30 min)      Modeling Climate Change over the Past 1000 Years
- >
- > 3:10-3:30 PM Coffee & Refreshments
- >
- > J. Overpeck Climate Forcing and Response in Past Centuries
  
- > J. Lean
- Centuries
- > H. Renssen
- > F. Wagner
- >

### Reconstructions of Solar Forcing in Past

## Solar Variability: Model/Data Intercomparison

CO2 reconstructions based on leaf stomata

> 4:50PM Discussion (led by R. Webb)

>

> 5:10PM Break for Day

>

> Day 3: Thursday April 19

>

> 8:45 AM Refreshments

>

> 9:00AM SESSION 6: Model/ Paleodata Comparison: Part 1 (Session Chair:

> J.

> Jones; Rapporteur: M Widmann)

>

> H. Von Storch (30 min)

> Forced,

> and Data-Assimilated Runs

>

Paleoclimate Modeling Strategies using Free,

> N. Weber

> Intercomparison

Intermediate Complexity Modeling and Model/Data

> G. Van de Schrier Sea-level/climate variability: ECBilt model results

>and

>comparison w/ paleodata

> M Widmann Climate Model Assimilation w/ Paleodata Using Pattern

Nudging

>

> 10:30 AM Discussion (led by J. Jones)

>

> 10:50-11:10 AM Coffee & Refreshments

>

> 11:10 PM SESSION 7: Model/ Paleodata Comparison:Part 2 (Session Chair:

>A.

>Schwalb; Rapporteur: G. Van de Schrier)

>

> R. Webb (30 min)

>Variability

>

Comparison of Modeled and Observed Holocene Climate

>D. Handorf Natural Variability of Atmospheric Circulation Regimes in

> Coupled Models

> B.Reichert Paleo Downscaling/Model Assimilation

>

> 12:20 PM Discussion (led by H.von Storch)

>

> 12:40 PM Break for Day

>

> 5:30-7:00 PM Reception,Mural Room,Clark Hall

>

>

>Day 4:Friday April 20

>

>9:00AM Informal discussion of future paleoclimate research priorities

>and directions.

>

> 12:00 END OF WORKSHOP

>

>

> \*\*\*\*\*

> Dr. David Battisti

> Dr. Raymond S. Bradley

> Dr. Mark A. Cane

> Dr. Julie Cole

> Dr. Edward Cook

> Dr. Thomas Crowley

> Dr. Barbara Deluisi

> Dr. C. Mark Eakin

> Dr. MichaelEvans

> Dr. Konrad A. Hughen

> Dr. Malcolm Hughes

> Dr. Alexey Kaplan

> Dr. Judith Lean

> Dr. Michael Mann

> Dr. Christopher Miller

> Mr. Chris Moy

> Or. Jonathan Overpeck

> Or. Bernhard K.Reichart

> Dr. Scott Rutherford

- > Or. Anthony Socci
- > Or. Edward S.Sarachik
- > Dr. David Verardo
- > Dr. Robert S.Webb
- > Dr. Harvey Weiss
- > Or. Connie Woodhouse
- > Or. Mariano Barriendos
- > Or. Rudolf Brazdil
- > Or. Keith Briffa
- > Or. Hans-Juergen Donath
- > Or. Francoise Gasse
- > Or. J. Fidel Gonzalez-Rouco
- > Dr. JoelGuiot
- > Or. Oerthe Handorf
- > Or. Julie M. Jones
- > Or. Kate laird
- > Or. Juerg luterbacher
- > Dr. Heinz Miller
- > Dr. Joerg Negendank
- > Or. Oyvind Nordli
- > Or. JuergenPaetzold
- > Dr. Hans Renssen
- > Or. Petter Sejrup
- > Dr. Gerhard Schleser
- > Dr. Antje Schwalb
- > Or. Markus J. Schwab
- > Dr. Gerard van der Schrier
- > Or. Hans von Storch
- > Or. Frederieke Wagner
- > Prof. Heinz Wanner

> Dr. S. (Nanne) Weber

> Or. Martin Widmann

>

>

>

>

Professor Malcolm K. Hughes Laboratory of Tree-Ring Research W.Stadium 105

University of Arizona

Tucson, AZ 85721 phone 520-621-6470 fax 520-621-8229

From: Sent: To: Cc:

Subject:

Brenda W. Morris <bwm6q@virginia.edu> Friday, April 06, 2001 3:33 PM Mkhughesl@aol.com

mann@virginia.edu

Please respond

Here is the message that I sent to you last night around 10:15 p.m. Did you receive this one? Brenda

\*\*\*\*\*

Dr. Hughes,



I just read an e-mail from Dr. Mann regarding the fact that you have not received the numerous e-mails that I have sent to you at both the University of Arizona address and the aol.com address. Did you receive the emails that I sent to you when you emailed me and gave me your aol.com address? I was at the University when I sent that message and, unfortunately, tonight I can't access a copy of the message from my computer at home. If you still do not have the original email that gave the specifics of the meeting and the second email which contained the agenda, please email me back and I will once again attempt to get the information to you and will also express mail everything to you. (It may be that since Dr. Mann has been on travel, your message may have caught up with him after you received my message that I sent from UVA.)

I'm also a bit concerned about why you didn't get the invitation that was mailed from a small local post office (Ivy, VA) on 3/12. The mailing contained the same information regarding the logistics of the workshop that was emailed to everyone.

Let me know how I need to proceed to make sure you have the information and I do apologize for this unfortunate snafu.

Brenda

From: Sent: To: Cc:

Subject:

Brenda W. Morris <bwm6q@virginia.edu> Friday, April 06, 2001 3:30 PM  
Mkhughes1@aol.com; mhughes@lrr.arizona.edu mann@virginia.edu

Resent Messages

Dr. Hughes,

Did you receive the message that I sent to you late last night? Anyway, I'm sending the messages again, and in case you are unable to open the attachments, I will send the messages below. Please use the\*\*\*\*\* to denote the end of one message and the beginning of the other one.

Please let me know which of your email addresses is the better one for me to use. Brenda

FIRST MESSAGE:

March 10, 2001

Dear Colleague:

It is my pleasure to invite you to a workshop Reconstructing Late Holocene Climate, to take place in Charlottesville, Virginia, 17-19 April 2001. The aim of the workshop is to investigate current applications of statistical, empirical and model-based methods to the general problem of paleoclimate reconstruction over the past few thousand years.

This meeting is an official PAGES/CUVAR event, and will address issues of key importance to PAGES/CLIVAR including:

- 1) The range of data available for paleoclimate reconstruction and assimilation with numerical models, limitations and strengths in the data both spatially, seasonally, and in terms of frequency-domain fidelity, temporal resolution, and temporal extent,
- 2) Model-based paleoclimate data assimilation and downscaling approaches, and
- 3) Applications of palaeoclimate reconstruction: e.g. variability of the North Atlantic Oscillation, Antarctic Oscillation, and ENSO.

It is anticipated that approximately 50 scientists from Europe and North America will be in attendance. limited funding is available to cover the expenses of participants. It would thus be appreciated if participants could use alternative funding, if available, to cover part of the costs.

We hope you will plan to attend this workshop. Please respond as soon as possible to Brenda Morris at [bwm6q@virginia.edu](mailto:bwm6q@virginia.edu). We will be providing a draft program in due course.

Best Regards,

Michael E. Mann

**ADDITIONAL INFORMATION: Travel and Reimbursement:**

You should have received information from Jennifer Giesler regarding the reimbursement of your travel expenses. Funding for travel is limited and individuals are expected to supplement costs with other available funds.

There is a maximum level of roughly \$650 reimbursement available per person, with possible exceptions for individuals

in need. You must provide receipts for all activities to be reimbursed. The policy is **STRICTLY**

followed: per diem is not paid--receipts **ARE** needed for meals. Items such as car rentals, alcohol, and museum tickets are not covered. You are funded through NSF and as you know they have strict rules for the use of their funds.

You can book the airfare yourself or you can book your ticket through your travel agent and have the ticket direct-billed to AGU. Please let Jennifer know if you want this latter option. Charlottesville does have an airport

{CHO) and we have a fair amount of flights in and out of Charlottesville.

Some of the international flights may have to be routed through Washington,D.C. and then take a flight into Charlottesville.

**Registration Fee:** There will be a \$35.00 conference registration fee.This should be paid to Ms. Brenda Morris upon registration.

**Host and convener:**

Michael Mann, U of Virginia, USA (mann@virginia.edu) European co-conveners: Hans von Storch,GKSS Research Centre,Germany (storch@gkss.de)

Nanne Weber KNMI,The Netherlands (weber@knm.inl)

Heinz Wanner, U of Bern,Switzerland (wanner@giub.unibe.ch) Meeting Location(s):

The meeting will be held on-grounds of the University of Virginia. We have reserved the "South Meeting Room" at

UVA's Newcomb Hall from 8:00a.m.-

5:00p.m. for April 17, 18 & 19. We also have reserved the Odum Room in Clark Hall for Friday, April 20. Friday's reservation may not be needed, but just in case some participants want to stay for an informal meeting on Friday, we will have accommodations available.

#### Hotels:

We have 20 rooms reserved at the Best Western Cavalier Inn for arrival on April 16 and departure on April 20. You

MUST confirm your reservation individually by March 16, 2001 and charge to your credit card. The phone number is 1-

804-296-8111. Doris Roach is the contact person. (You must tell Cavalier Inn that you want a room in the RLHC block). The cost will be \$59 plus 9% tax per day.

We also have 45 rooms reserved at the Red Roof Inn for arrival on April 16 and departure on April 20. You MUST

confirm your reservation individually by March 16, 2001 and charge to your credit card. The phone number is 1-800-

874-9000. Demetrius Caldwell is the contact person. (You must tell Red Roof that you want a room in the RLHC block). This hotel is a bit further than the Best Western Cavalier Inn, but is conveniently located in the center of campus life. The cost will be \$59.99 plus 9% tax per day.

The Best Western Hotel and the Red Roof Inn are both within walking distance of the meeting. However, for individuals who wish for transportation, we will alert the local cab companies that they may be receiving a large volume of calls for those days.

#### Meals and Food:

We will provide lunches on Tuesday, Wednesday and Thursday. If you have special dietary needs or other considerations, please inform me so that I can arrange meals that will be appropriate for you.

About Charlottesville:

Spring is such a beautiful time of the year in Charlottesville, with pleasant and generally warm and sunny days. Ample opportunities for sightseeing and recreational activities are available for those participants who are interested. Among the local and nearby attractions are Monticello (the home of Thomas Jefferson), the Blue Ridge Mountains (less than an hour's drive), colonial Williamsburg (a couple hours' drive), and Washington DC (a couple hours' drive). For information on local sights and events, log on to [www.virginia.edu](http://www.virginia.edu) and then choose "Things to Do/UVA News". There is a list of scheduled events and also listing of area historical places in the surrounding area of Charlottesville.

\*\*\*\*\*

## Reconstructing late Holocene Climate

Charlottesville, Virginia

April 17-20, 2001

A scientific workshop sponsored by PAGES/CUVAR, NSF and NOAA (Earth Systems History, United States), NRP (Netherlands), and GKSS (Germany)

Day 1: Tuesday April 17

8:45AM: Refreshments;

Welcoming Remarks (M. Mann; H. von Storch) logistics (Brenda Morris)

9:00AM SESSION 1: Climate Reconstructions of the North Atlantic and Neighboring Regions (Session Chair: K. Briffa; Rapporteur: K. Huguen)

J. Guiot (30 min) Proxy Data

Reconstruction of European Climate from Historical and

O. Nordli Norwegian Norpast project

H. Miller Reconstruction of Climate/Atmospheric Variability from Northern  
Greenland Ice Cores

M. Schwab European Terrestrial Records and Correlation w/ Greenland Ice Cores

M Barriendos Historical Documentary Evidence from Southern Europe

10:50-11:10 AM Coffee & Refreshments

R. Brazdil the past

J. Uterbacher

(1500-2000) H. Wanner F. Gonzalez-Rouco Chronologies

Documentary data and its use for climate reconstructions during millenium in Europe

Reconstruction of Atlantic-European climate variability

Preferred Modes of Atlantic-European winter climate (1500-2000) North Atlantic Climate Variability in Tree  
Ring

E. Cook

Proxy-Based Reconstructions of North Atlantic Climate

12:50 Discussion (led by H. Wanner)

1:10 PM:Break for Lunch

2:30PM SESSION 2:Drought Reconstructions (Session Chair:E. Cook; Rapporteur:M. Evans)

M. Hughes (30 min)

C. Woodhouse A. Schwalb Plains,USA

Multidecadal Drought in Western North America

ContinentalU.S. Drought Reconstructions

Late Holocene Centennial Drought Cyclicity in the Great

3:40-4:00 PM Coffee & Refreshments

K. Laird Droughts in Eastern Equatorial Africa

J. Negendank Climate Oscillations in Varved Lake Records

H. Weiss Abrupt Holocene Climate Change Events at 8200,5200,4200 BP

5:00 PM Discussion (led by J.Overpeck)

5:20 PM Break for Day

Day 2: Wednesday April 18

8:45 AM Refreshments

9:00AM SESSION 3: Records of ENSO and tropical Variability (Session Chair: M.Mann; Rapporteur: S. Rutherford)

M. Cane (30 min)

J. Cole

M. Evans

K. Hughen

Use of paleorecords in understanding ENSO dynamics

Coral Records of Tropical Climate Variability

Reconstructions of Tropical Pacific Variability

Sediment Records of Tropical Atlantic Variability

10:30 AM Discussion (led by J. Cole)

10:50-11:10 AM Coffee & Refreshments

11:10 AM SESSION 4: Large-Scale Climate Reconstruction (Session Chair: M. Mann; Rapporteur: J. Luterbacher)



R.Bradley {30 min) Multiproxy Reconstructions of Past Climate Variability

K. Briffa

J. Jones

Large-scale Temperature Reconstructions Based on Tree Ring Density

A tree-ring Based Estimate of the Antarctic Oscillation

12:20 PM:Break for Lunch

1:40PM SESSION 4 (CONT): Large-Scale Climate Reconstruction (Session

Chair:R. Bradley; Rapporteur: J. uterbacher)

A. Kaplan

S. Rutherford

Large-scale Climate Reconstruction with Tree Rings and Corals

Methodological Approaches to Multiproxy Climate Reconstruction

2:20PM Discussion {led by M. Mann)

2:40PM SESSION 5: Forced Climate Variability in Past Centuries (Session

Chair: A. K aplan;Rapporteur:B.Reichert)

T. Crowley (30 min) Modeling Climate Change over the Past 1000 Years

3:10-3:30 PM Coffee & Refreshments

J.Overpeck J. Lean H.Renssen

F. Wagner

Climate Forcing and Response in Past Centuries Reconstructions of Solar Forcing in Past Centuries Solar Variability: Model/Data Intercomparison

CO2 reconstructions based on leaf stomata

4:50PM Discussion (led by R. Webb)

5:10PM Break for Day

Day 3:Thursday April19

8:45 AM Refreshments

9:00AM SESSION 6: Model/ Paleodata Comparison: Part 1(Session Chair: J.

Jones; Rappateur: M Widmann)

H. Von Storch (30 min) Paleoclimate Modeling Strategies using Free,Forced, and Data-Assimilated Runs

N.Weber Intermediate Complexity Modeling and Model/Data Intercomparison

G. Van de Schrier Sea-level/climate variability: ECBilt model results and comparison w/ paleodata

M Widmann Climate Model Assimilation w/ Paleodata Using Pattern Nudging

10:30 AM Discussion (led by J . Jones)

10:50-11:10 AM Coffee & Refreshments

11:10 PM SESSION 7:Model/ Paleodata Comparison: Part 2 (Session Chair:A. Schwalb;Rappateur: G. Van de Schrier)

R. Webb ( 30 min) Comparison of Modeled and Observed Holocene Climate

Variability

D. Handorf Natural Variability of Atmospheric Circulation Regimes in  
Coupled Models

B. Reichert Paleo Downscaling/ModelAssimilation

12:20 PM Discussion (led by H. von Storch)

12:40 PM Break for Day

5:30-7:00 PM Reception, Mural Room, Clark Hall

Day 4: Friday April 20

9:00AM Informal discussion of future paleoclimate research priorities and directions.

12:00 END OF WORKSHOP

\*\*\*\*\*

- Dr. David Battisti
- Dr. Raymond S. Bradley
- Dr. Mark A. Cane
- Dr. Julie Cole
- Dr. Edward Cook
- Dr. Thomas Crowley Dr. Barbara Deluisi Dr. C. Mark Eakin
- Dr. Michael Evans
- Dr. Konrad A. Hughen Dr. Malcolm Hughes Dr. Alexey Kaplan
- Dr. Judith Lean
- Dr. Michael Mann
- Dr. Christopher Miller
- Mr. Chris Moy
- Dr. Jonathan Overpeck Dr. Bernhard K.Reichart Dr. Scott Rutherford
- Dr. Anthony Succi
- Dr. EdwardS.Sarachik
- Dr. David Verardo Dr. Robert S.Webb Dr. Harvey Weiss
- Dr. Connie Woodhouse

Dr. Mariano Barriendos  
Dr. Rudolf Brazdil  
Dr. Keith Briffa  
Dr. Hans-Juergen Donath  
Dr. Francoise Gasse  
Dr. J. Fidel Gonzalez-Rouco

Dr. Joel Guiot  
Dr. Doerthe Handorf  
Dr. Julie M. Jones  
Dr. Kate Laird  
Dr. Juerg Luterbacher  
Dr. Heinz Miller  
Dr. Joerg Negendimk  
Dr. Oyvind Nordli Dr. Juergen Paetzold Dr. Hans Renssen  
Dr. Petter Sejrup  
Dr. Gerhard Schleser Dr. Antje Schwalb Dr. Markus J. Schwab  
Dr. Gerard van der Schrier  
Dr. Hans von Storch  
Dr. Frederieke Wagner  
Prof. Heinz Wanner  
Dr. S. L (Nanne) Weber  
Dr. Martin Widmann

Attachment Converted: "C:\WINDOWS\DESKTOP\Attach\program-draft4pt02.doc"

From: Sent: To:

Cc:

Subject:

Brenda W. Morris <bwm6q@virginia.edu> Thursday, April 05, 2001 10:18 PM Mkhughes1@aol.com  
mann@virginia.edu

Please respond

Dr. Hughes,

I just read an e-mail from Dr. Mann regarding the fact that you have not received the numerous e-mails that I have sent to you at both the University of Arizona address and the aol.com address. Did you receive the emails that I sent to you when you emailed me and gave me your aol.com address? I was at the University when I sent that message and,

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Let me know how I need to proceed to make sure you have the information and I do apologize for this unfortunate snafu.

Brenda

From: Sent: To:

Cc:

Subject:

Malcolm K. Hughes <mhughes@ltrr.arizona.edu> Friday, April 06, 2001 11:51AM mann@virginia.edu;  
Michael Mann

bwm6q@virginia.edu; Mkhughes1@aol.com; mhughes@ltrr.arizona.edu;  
mann@virginia.edu

Re: workshop

Please send details to both Mkhughes1@aol.com and this address, THanks, Malcolm

Quoting Michael Mann <memannOO@hotmail.com>:

>

> Hi Brenda,

>

> I've just heard from Malcolm Hughes. For some reason he apparently

> hasn't recieved any information at all about the workshop,including

> hotel inf., etc.as well as the program.

>

>This may be due to an email problem at the U.Arizona end which rejects

> emails from U.Virginia for some reason, although this has probably

> been fixed.I'm still a bit confused though as to why he didn't  
> receive the hardcopy version of the invitation letter w/ hotel information, etc.  
> which  
>we mailed out.  
>  
> In any case, can you please send him the information ASAP to his  
>alternative email (cc'd above):  
>  
> Mkhughes1@aol.com  
>  
>Thanks in advance,  
>  
>mike

—

> Get your FREE download of MSN Explorer at <http://explorer.msn.com>  
>  
>

Professor Malcolm K. Hughes Labora tory of Tree-Ring Research W.Stadium 105  
University of Arizona Tucson, AZ 85721 phone 520-621-6470 fax 520-621-8229



-----  
  
From: Sent: To:

Cc:

Subject:

Michael Mann <memannOO@hotmail.com> Thursday, April 05, 2001 12:55 PM bwm6q@virginia.edu

Mkhughes @aol.com; mhughes@lrr.arizona.edu; mann@virginia.edu

workshop

<x-flowed> HiBrenda,

I've just heard from Malcolm Hughes. For some reason he apparently hasn't received any information at all about the workshop, including hotel inf., etc. as well as the program.

This may be due to an email problem at the U.Arizona end which rejects emails from U.Virginia for some reason, although this has probably been fixed. I'm still a bit confused though as to why he didn't receive the hardcopy version of the invitation letter w/ hotel information, etc. which we mailed out.

In any case, can you please send him the information ASAP to his alternative email (cc'd above):  
Mkhughes1@aol.com

Thanks in advance, mike

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

</x-flowed>

From: Sent: To:

Subject:

Malcolm Hughes <mhughes@ltrr.arizona.edu> Thursday, January 06, 2000 5:19 PM

Michael E. Mann

Re: PACUM

Mike - there's a major panic going on right now about the clash between the two meetings. It may be that PACLIM has

to change its theme. More anon, Malcolm Professor and Director Laboratory of Tree-Ring Research University of Arizona

Tucson,AZ 85721phone 520-621-2191fax 520-621-8229 e-mqil mhughes@ltrr.arizona.edu

From: Sent: To:

Subject:

Malcolm Hughes <mhughes@ltrr.arizona.edu> Thursday, January 06, 2000 5:26 PM

Michael E. Mann

Re: PACUM

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Tucson,AZ 85721phone 520-621-2191fax 520-621-8229 e-rnqil mhughes@ltrr.arizona.edu

From: Sent: To: Cc:

Subject:

Michael E. Mann <mann@multiproxy.evsc.virginia.edu> Thursday, March 02, 2000 5:08 PM

Hans von Storch mann@virginia.edu

Re: Charlottesvill workshop

HiHans,

At 10:02 PM 3/2/00 +0100, you wrote:

>Mike, shouldn't we combine these two initiatives?

>

>Hans

In principle,I agree. However, to be honest, I believe that this other workshop is intentionally small by design, and geared very much towards the purely empirical side of the problem. It is already funded, and it seems like the agenda is already pre-determined.I think we're better off having our workshop be independent of this, and so I still think that rescheduling would be wise. I was thinking perhaps mid November instead (which is still quite nice here!).Please let me know what you think about this.

>

>PS: I understand that we agreed on the text so that I may share it with

>others, with a caveat concerning the date. OK?

>

certainly...

>

>At 12:48 02.03.00 -0500,you wrote:

>>Hi Hans,

>>

»Thanks for your message. I have not been in touch w/ the Bern group.

» If you could do that,would be wonderful.

>>

»The only problem right now is a conflict of timing w/ another

»PAGES/CLIVAR workshop that Briffa,Bradley,Overpeck, and others are

»holding on Holocene climate variability at the originally suggested

»time (October). I'm investigating other possible times (November) that would avoid conflict.

»Until we resolve this conflict, and can get participation from some

»of the other individuals named above,it will be difficult to get the

»U.S.to commit NOAA/NSF Clivar-related funds.Will keep you posted on this...

>>

»mike

>>

»At 12:00 PM 2/28/00 +0100, Hans von Storch wrote:

>>>Dear Mike,

>>>>

»>>>I have contacted a few people concerning the planned workshop,and

»»found significant interest.

»»Attached please find a slightly modified draft for the proposal. I

»»added a reference to the Utrecht 1999 workshop, organized jointly by

»»KNMI in Utrecht and my lab GKSS, and a short description of the

»»synthetic time scale problem (based on input from Joerg Negendank).

>>>

»»I would appreciate your ok asap, so that I can can contact

»»administrators in these matters. Actually I will meet a key Dutch

»»administrator tomorrow at 14:00. I intend to send the outline to the

»»members of the german KIHZ project (reconstruction of climate in

»»historical times) as well. Have you been in contact with our colleagues in Bern? If not, I could do that.

>>>

>>>With best regards

>>>Hans

>>>

>>>Attachment Converted: "c:\eudora\attach\paleo-cville002.doc"Hans von

>>>Storch

>>>

>>>(until 31. March 2000)

>>>Institute for Marine and Atmospheric Research Utrecht (IMAU)

>>>Princetonplein 5, PO Box 80 005, NL 3508 TA Utrecht, The Netherlands

>>><http://w3g.gkss.de/staff/storch>

>>>fax: +3130 254 3163, phone: +3130 253 3182

>>>private: Essenkamp 20, 3732 De Bilt, +3130 220 0863

>>>

>>>New book:

>>>Stehr, N., and H. von Storch (Eds.), 2000: Eduard Brckner - The

>>>Sources and Consequences of Climate Change and Climate Variability in

>>>Historical Times. Kluwer Publisher ISBN 0-7923-6128-8, 338 pp.

>>>

>>

» Professor Michael E. Mann  
» Department of Environmental Sciences, Clark Hall  
» University of Virginia  
» Charlottesville, VA 22903

>>

»e-mail:mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137

» <http://www.evsc.virginia.edu/faculty/people/mann.html>

>>

>>

>>

>Hans von Storch

>Institute of Hydrophysics,GKSS,Geesthacht,Germany

><http://w3g.gkss.de/staff/storch> until 31. March 2000: Institute for

>Marine and Atmospheric Research Utrecht University, PO Box 80.005,

>3508 TA Utrecht, The Netherlands

>Fax: + 31- 30 - 254 3163; Phone:+ 31- 30- 253 3182

>private:+ 31- 30 - 220 0863 (Essenkamp 20,3732 AB De Bilt)

>

>

>

Professor Michael E. Mann

Department of Environmental Sciences,Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail:mann@virginia.edu Phone: (804) 924-7770 FAX:(804) 982-2137  
http://www.evsc.virginia.edu/faculty/people/mann.html

From: Sent: To: Subject:

Mail Delivery Subsystem <MAILER-DAEMON@gfz-potsdam.de> Thursday, March 02, 2000 4:06 PM  
mann@multiproxy.evsc.virginia.edu

Warning: could not send message for past 3 hours

\*\*\*\*\*

\*\* THIS IS A WARNING MESSAGE ONLY \*\*

\*\* YOU DO NOT NEED TO RESEND YOUR MESSAGE \*\*

\*\*\*\*\*

The original message was received at Thu, 2 Mar 2000 18:45:16 +0100 (MET) from maii.Virginia.EDU  
[128.143.2.9]

--- The following addresses had transient non-fatal errors ----- a\_schwalb@yahoo.com

(expanded from: <schwalb@gfz-potsdam.de>)

----- Transcript of session follows ----- a\_schwalb@yahoo.com... Deferred: Connection refused by  
mx2.mail.yahoo.com. Warning: message still undelivered after 3 hours Will keep trying until message is 1 week  
old

---Original message follows -----

Return-Path: <mann@multiproxy.evsc.virginia.edu>

Received: from mail.virginia.edu (mail.Virginia.EDU [128.143.2.9])

by mehl.gfz-potsdam.de (8.9.3/8.9.3) with SMTP id SAA07448; Thu, 2 Mar 2000 18:45:16 +0100 (MET)

Received: from fsrv.clas.virginia.edu by mail.virginia.edu id aa12671;

2 Mar 2000 12:45 EST

Received: from MannPC.virginia.edu (bootp-43-189.bootp.Virginia.EDU [128.143.43.189])

by fsrv.clas.Virginia.EDU (8.8.7/8.8.7) with SMTP id MAA24254; Thu, 2 Mar 2000 12:45:21-0500

Message-Id:<3.0.6.32.20000302124812.00cb3230@multiproxy.evsc.virginia.edu>

X-Sender: mann@multiproxy.evsc.virginia.edu

X-Mailer:QUALCOMM Windows Eudora Light Version 3.0.6 (32) Date: Thu, 02 Mar 2000 12:48:12 -0500

To:Hans von Storch <h.vonstorch@phys.uu.nl>, "Dr.Nanne Weber" <weber@knmi.nl>

From: "Michael E.Mann" <mann@multiproxy.evsc.virginia.edu>

Subject: Re:Charlottesville workshop

Cc: Hans von Storch <h.vonstorch@phys.uu.nl>, neg@gfz-potsdam.de, Antje Schwalb <schwalb@gfz-potsdam.de>, zorita@gkss.de

In-Reply-To: <v03130357b4e0041d53d9@[131.211.35.231]> Mime-Version:1.0

Content-Type: text/plain;charset="us-ascii" Hi Hans,

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>Hans

>

>Attachment Converted:"c:\eudora\attach\paleo-cville002.doc"Hans von

>Storch

>

>(until 31. March 2000)

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>private: Essenkamp 20,3732 De Bilt,+ 3130 220 0863

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>and Consequences of Climate Change and Climate Variability in

>Historical Times. Kluwer Publisher ISBN 0-7923-6128-8,338 pp.

>

Professor Michael E. Mann

Department of Environmental Sciences,Clark Hall

University of Virginia

Charlottesville,VA 22903

e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137

<http://www.evsc.virginia.edu/facultyIpeople/mann.html>

From: Sent: To:

Subject:

Hans von Storch <storch@gkss.de> Thursday, March 02, 2000 4:03 PM Michael E. Mann

Re: Charlolttesville workshop

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>you could do that, would be wonderful.

>

>The only problem right now is a conflict of timing w/ another

>PAGES/CLIVAR workshop that Briffa, Bradley, Overpeck, and others are

>holding on Holocene climate variability at the originally suggested

>time (October). I'm investigating other possible times (November) that would avoid conflict.

>Until we resolve this conflict, and can get participation from some of

>the other individuals named above, it will be difficult to get the U.S.

>to commit NOAA/NSF Clivar-related funds. Will keep you posted on this...

>

>mike

>

>At 12:00 PM 2/28/00 +0100, Hans von Storch wrote:

»Dear Mike,

>>

»I have contacted a few people concerning the planned workshop, and

»found significant interest.

» Attached please find a slightly modified draft for the proposal. I

»added a reference to the Utrecht 1999 workshop, organized jointly by

» KNMI in Utrecht and my lab GKSS, and a short description of the

»synthetic time scale problem (based on input from Joerg Neundank).

>>

»I would appreciate your ok asap, so that I can contact

»administrators in these matters. Actually I will meet a key Dutch

»administrator tomorrow at 14:00. I intend to send the outline to the

»members of the German KIHZ project (reconstruction of climate in

» historical times) as well. Have you been in contact with our colleagues in Bern? If not, I could do that.

>>

»With best regards

>>Hans

>>

»Attachment Converted: "c:\eudora\attach\paleo-cville002.doc"Hans von

>>Storch

83

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>>

»{until31. March 2000)

» Institute for Marine and Atmospheric Research Utrecht {IMAU)

» Princetonplein 5, PO Box 80 005,N13508 TA Utrecht,The Netherlands

»<http://w3g.gkss.de/staff/storch>

»fax:+ 3130 254 3163, phone:+3130 253 3182

»private: Essenkamp 20,3732 De Bilt,+ 3130 220 0863

>>

»New book:

»Stehr, N., and H. von Storch (Eds.), 2000:Eduard Brckner - The

»Sources and Consequences of Climate Change and Climate Variability in

» HistoricalTimes. Kluwer Publisher ISBN 0-7923-6128-8,338 pp.

>>

>

> Professor Michael E. Mann

> Department of Environmental Sciences,Clark Hall

> University of Virginia

> Charlottesville, VA 22903

>

>e-mail:mann@virginia.edu Phone:{804} 924-7770 FAX: {804} 982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.html>

>

>

>

Hans von Storch

Institute of Hydrophysics,GKSS,Geesthacht,Germany <http://w3g.gkss.de/staff/storch> until 31. March  
2000:Institute for

Marine and Atmospheric Research Utrecht University, PO Box 80.005, 3508 TA Utrecht,The Netherlands

Fax:+ 31- 30- 254 3163;Phone:+ 31- 30 - 253 3182 private:+ 31- 30- 220 0863 (Essenkamp 20,3732 AB De  
Silt)

From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@multiproxy.evsc.virginia.edu> Monday, February 21, 2000 12:30 PM  
alverson@ubecx01.unibe.ch;jto@u.arizona.edu

mann@virginia.edu; h.vonstorch@phys.uu.nl; rbradley@geo.umass.edu;

k.briffa@uea.ac.uk; pjones@uea.ac.uk proposed workshop

Dear Peck, Keith (greetings others!)

Hans Von Storch and I are interested in hosting a workshop described below (see also attached file for a \*very\* rough draft of a meeting plan).

Originally we had thought October (in Charlottesville) would be a good time for the meeting, but I don't want it to conflict w/ any planned PAGES/CLIVAR events. Ideally, and with your help, Hans and I could host this meeting within the auspices of PAGES/CLIVAR. Hans already has indications of funding interest on the part of the German and Dutch governments.

Please advise. Thanks, mike

>X-Sender: mann@multiproxy.evsc.virginia.edu

>X-Mailer: Windows Eudora Light Version 1.5.4 {32}

>Date: Sat, 19 Feb 2000 20:42:18 -0500

>To: h.vonstorck@phys.uu.nl

>From: "Michael E. Mann" <mann@virginia.edu>

>Cc: rbradley@geo.umass.edu, jto@u.arizona.edu

>

>Dear Hans,

>

>As promised, here is a *\*very\** rough outline of proposal/list of topics

>for the prospective workshop we have been discussing (attached as word document).

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>I am cc'ing this to two individuals (Ray Bradley and Jonathan Overpeck)

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>should go ahead and solicit feedback from a wider group of key

>individuals (such as Keith Briffa, Phil Jones, Uli Cubasch).

>

>Looking forward to hearing back from you.

>

>best regards,

>

>mike

>

>Attachment Converted: "c:\eudora\attach\paleo-cvilleOO.doc"

>

> Professor Michael E. Mann

> Department of Environmental Sciences,Clark Hall

> University of Virginia

> Charlottesville,VA 22903

>

>e-mail: mann@virginia.edu Phone:(804) 924-7770 FAX: (804) 982-2137

> <http://www.evsc.virginia.edu/faculty/people/rmann.html>

>

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Professor Michael E. Mann

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Charlottesville,VA 22903

e-mail: mann@virginia.edu Phone:(804) 924-7770 FAX:(804) 982-2137 <http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To:

Subject:

Raymond S. Bradley <rbradley@geo.umass.edu> Monday, February 21, 2000 11:52 AM

Michael E. Mann

Re: Holocene mtg

i guess you could contact Keith....but Peck should be able to give guidance from the Clivar side of things. i know there are several clivar/pages meetngs planned

ray

At 06:16PM 02/20/2000 -0500, you wrote:

>Hi Ray,

>

>Hmmm-the emphasis will probably be somewhat different, but the timing

>is unfortunate. These meetings should not interfere with each other in

>my opinion. Some coordination w/ PAGES would be important here.Any

>ideas?

>

>thank s,

>

>mike

>

>At 05:54 PM 2/20/00 -0500, you wrote:

»Mike:

» There will be a PAGES meeting in Avignon in late October on Holocene

»climate varability, organised by Dominique Raynaud & Keith Briffa

»(with input from me & probably Peck). I understand hat there is a mix



» of NSF, PAGES & EU support for the meeting. Keith & Dominique are  
» finalising the program & list of invited speakers.

>>

>>Ray

>>

» At 08:42 PM 02/19/2000 -0500, you wrote:

>>>Dear Hans,

>>>

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>>>

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>>>

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» University of Massachusetts

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»Tel:413-545-2120; Fax:413-545-1200

»Climate System Research Center: 413-545-0659 Climate System Research

»Center Web Site:

>><<http://www.geo.umass.edu/climate/climate.html>

»Paleoclimatology Book Web Site (1999):

» <http://www.geo.umass.edu/climate/paleo/html>

>>

>>

>>

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>

>

Raymond S. Bradley

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<<http://www.geo.umass.edu/climate/climate.html>

Paleoclimatology Book Web Site (1999):

<http://www.geo.umass.edu/climate/paleo/html>

From: Sent: To: Cc:

Subject:

Raymond S. Bradley <rbradley@geo.umass.edu> Sunday, February 20, 2000 5:54PM

Michael E. Mann jto@u.arizona.edu

Re: Holocene mtg

Mike:

There will be a PAGES meeting in Avignon in late October on Holocene climate variability, organised by Dominique Raynaud & Keith Briffa (with input from me & probably Peck). I understand that there is a mix of NSF, PAGES & EU support for the meeting. Keith & Dominique are finalising the program & list of invited speakers.

Ray

At 08:42 PM 02/19/2000 -0500, you wrote:

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>mike

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<<http://www.geo.umass.edu/elimite/climate.html>I Paleoclimatology Book Web Site (1999):

<http://www.geo.umass.edu/climate/paleo/html>

From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Sunday, February 20, 2000 1:18PM jto@u.arizona.edu  
rbradley@geo.umass.edu

Re: Holocene mtg

Forgot to cc to peck, thoughts?

mike

p.s. Peck--could you send a reprint of the Nature N&V when available. Thanks...

>Date: Sun, 20 Feb 2000 18:16:27 -0500

>To: "Raymond S.Bradley" <rbradley@geo.umass.edu>

>From:"Michael E.Mann" <mann@virginia.edu>

>Subject: Re: Holocene mtg

>

>HiRay,

>

>Hmmm-the emphasis will probably be somewhat different,but the timing

>is unfortunate. These meetings should not interfere with each other in

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>> Professor Michael E.Mann

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>>

>>

>>

>

From: Sent: To:



Subject:

Michael E. Mann <mann@virginia.edu> Sunday, February 20, 2000 1:16 PM Raymond S. Bradley

Re: Holocene mtg

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Hmmm-the emphasis will probably be somewhat different, but the timing is unfortunate. These meetings should not interfere with each other in my opinion. Some coordination w/ PAGES would be important here. Any ideas?

thanks, mike

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>Paleoclimatology Book Web Site (1999):  
><http://www.geo.umass.edu/climate/paleo/html>  
>  
>  
>

From: Sent: To: Cc:

Michael E. Mann <[mann@virginia.edu](mailto:mann@virginia.edu)> Saturday, February 19, 2000 8:42 PM [h.vonstorch@phys.uu.nl](mailto:h.vonstorch@phys.uu.nl)  
[rbradley@geo.umass.edu](mailto:rbradley@geo.umass.edu); [jto@u.arizona.edu](mailto:jto@u.arizona.edu)

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e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137  
<http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To:

Cc:

Michael E. Mann <mann@virginia.edu> Saturday, February 19, 2000 3:42 PM h.vonstorch@phys.uu.nl  
rbradley@geo.umass.edu;jto@u.arizona.edu

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Looking forward to hearing back from you. best regards,

mike

From: Sent: To:

Cc:

Subject:

Jonathan Overpeck <jto@u.arizona.edu> Tuesday, November 02, 1999 12:43 AM niklaus schranz mann@multiproxy.evsc.virginia.edu

Re: venice pc projection

>N - thx - I can't get a projector here, so your panelsounds good. Thx!

>Peck

>HiMike and Peck

>

>Obviously it seems difficult for the Venice lot to turn up with  
>something suitable for PC projection.

>

>I can bring a color LCD panel for putting on an overhead projector from  
>the Bern Botany dept. This is not as bright as a video beamer, but  
>should be sufficient for a room of that size. Unfortunately the  
>university's video beamer can't be borrowed for more than a day.

>

>Please advise wheter we should bring the panel or if you found  
>something better.

>

>See you next week

>

>Niklaus

>

>

>

>Niklaus Schranz, Office Manager

>

>schranz@pages.unibe.ch

>

>

>PAGES - Past Global Changes- International Project Office

>

>Baerenplatz 2

>CH-3011Bern

>Switzerland

tel: +4131312 3133 fax:+4131312 3168

<http://www.pages.unibe.ch>

Jonathan T.Overpeck

Director, Institute for the Study of Planet Earth Professor,Department of Geosciences

715 N. Park Ave. 2nd Floor University of Arizona Tucson,AZ 85721 tel:+1520 622-9062

direct tel:+1520 622-9065 fax: +1520 792-8795

From: Sent: To: Cc:

Subject:

niklaus schranz <[niklaus.schranz@pages.unibe.ch](mailto:niklaus.schranz@pages.unibe.ch)> Monday, November 01,1999 11:56 AM

Michael E. Mann; overpeck keith

Re: venice pc projection

> Dear Niklaus,  
>  
>Thanks very much for your message, and your efforts here. What you  
> describe certainly sounds like our best option yet--I used this setup  
>at GFDL, and it worked just great. Connectivity is the only  
> remaining--! assume the LCD panel will come equipped w/ a cable/port  
>connector that attaches to the standard auxilliary port on a PC  
> laptop? As long as we have that,I think the setup will be more-than  
>adequate for our needs (and an infinite improvement over nothing at  
>all!). Thank again,  
>

Dear Mike

If your auxiliary port is VGA (I guess almost all are) it should work. I don't remember the panel's resolution,maybe it's only 640x480.

Niklaus

From: Sent: To: Cc:

Subject:

Michael E. Mann <mann@multiproxy.evsc.virginia.edu> Monday, November 01, 1999 11:32 AM

niklaus schranz;mann@snow.geo.umass.edu; overpeck keith

Re:venice pc projection



Dear Niklaus,

Thanks very much for your message, and your efforts here. What you describe certainly sounds like our best option yet-- I used this setup at GFDL, and it worked just great. Connectivity is the only remaining--I assume the LCD panel will come equipped w/ a cable/port connector that attaches to the standard auxilliary port on a PC laptop? As long as we have that, I think the setup will be more-than adequate for our needs (and an infinite improvement over nothing at all!). Thank again,

mike

05:12 PM 11/1/99 +0100,niklaus schranz wrote:

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>

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>Niklaus

>

>

>

>Niklaus Schranz,Office Manager

>

>schranz@pages.unibe.ch

–

>

>

>PAGES - Pa st Global Changes- International Project Office

>

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>CH-3011Bern

>Switzerland

>

>

tel:+4131312 3133 fax: +4131312 3168

<http://www.pages.unibe.ch>

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e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137  
<http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To: Cc:

Subject:

niklaus schranz <niklaus.schranz@pages.unibe.ch> Monday, November 01, 1999 11:13 AM  
mann@snow.geo.umass.edu;overpeck

keith

venice pc projection

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Niklaus Schranz, Office Manager schranz@pages.unibe.ch

PAGES - Past Global Changes - International Project Office

Baerenplatz 2

CH-3011 Bern

Switzerland

tel:+4131312 3133 fax:+4131312 3168

<http://www.pages.unibe.ch>

From: Sent: To: Cc:

Subject:

Keith Alverson <keith.alverson@pages.unibe.ch> Thursday, October 28, 1999 12:03 PM

Michael E. Mann

Jonathan Overpeck venice

Hi Mike,

Projector was ordered but they claim it is unlikely to arrive.

ethernet is promised, but I am not sure where exactly, maybe in a small room somewhere? An 'old' machine will be attached to it for email.

A general email will be sent out as soon as I have the program from Peck. Keith

>Hi Keith,

>

>Any updates in the status of what facilities will be available, as we

>near the date of the conference? I am working w/ Ed Gille at NGDC in

>Boulder to see if I can get the animation I seek to do self-contained

>on a zip disk (along w/ my presentation) that I could give off any PC

>laptop running Windows95. If necessary can bring my laptop itself. If

>an ethernet connection is available, that will simplify things

>dramatically since I can run the animation off of NGDC's own website.

>

>The key thing, however, is knowing whether or not an electronic hookup

>(ie, an LCD projector which connects to a peripheral laptop) will be available.

>The more I know about available facilities before I leave (Nov 6th) the

>better off I can plan for the event. I think this is probably true for

>many other participants, so perhaps a message updating everyone on

>available facilities might be helpful. Please advise when you have the chance.

>

>Thanks a bunch,

>

>mike

>

>At 09:30AM 9/15/99 +0200, you wrote:

»Mike,

>>

»We hope to have (but I cannot guarantee at this point) an ethernet

»connection for people to use their laptops with, also possibly an "old"

»machine capable of running email software (I have not seen this

»machine but people in Venice tell me it exists}. Maybe netscape will

»work on it. I hope this information helps.

>>

»Keith

>>

>>>We hope to have a supplementary interactive presentation available if

>>>computer facilities allow...

>>>

>>>Let me know what you think.Thanks,

>>>

»>mike

>>

>>

>>

>

»Keith Alverson,Science Officer e-mail:alverson@pages.unibe.ch

»PAGES International Project Office Phone:+4131312 3133

»Barenplatz 2, CH-3011 Fax:+4131312 3168

»Bern,Swiuerland

Internet:<http://www.pages.unibe.ch/>

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>

> Professor Michael E. Mann  
> Department of Environmental Sciences, Clark Hall  
> University of Virginia  
> Charlottesville, VA 22903  
>

>e-mail:mann@virginia.edu Phone:{804} 924-7770 FAX: {804} 982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.html>

Keith Alverson, Science Officer e-mail: [alverson@pages.unibe.ch](mailto:alverson@pages.unibe.ch)

PAGES International Project Office Phone:+4131312 3133

Barenplatz 2, CH-3011 Fax:+4131312 3168

Bern, Switzerland Internet:<http://www.pages.unibe.ch/>

From: Sent: To:

Subject:

via automated response <[jto@luna.ngdc.noaa.gov](mailto:jto@luna.ngdc.noaa.gov)> Tuesday, October 26, 1999 3:04 PM  
[mann@multiproxy.evsc.virginia.edu](mailto:mann@multiproxy.evsc.virginia.edu)

Peck has a new email address: [jto@u.arizona.edu](mailto:jto@u.arizona.edu)

Your email has been forwarded to Jonathan Overpeck at his new mail address. His new email address is:  
jto@u.arizona.edu

Please send all future email to his new address. Thank you

From: Sent: To:

Subject:

Jonathan T. Overpeck <jto@ngdc.noaa.gov> Sunday, September 19, 1999 9:50 PM Michael E. Mann

Re: PAGES-CUVAR meeting in Venice

Sounds good. I watched the Broncos loose again, happy that I'm moving to a new state. Just two more boxes to pack (I

think!). More later, read up on Italian wine, Peck

Dr. Jonathan T. Overpeck

Head, NOAA Paleoclimatology Program

National Geophysical Data Center

325 Broadway E/GC Boulder, CO 80303



tel: 303-497-6172 fax:303-497-6513 jto@ ngdc.noaa.gov

For OVERNIGHT (e.g., Fedex } deliveries, PLEASE USE:

Dr. Jonathan Overpeck

Head, NOAA Paleoclimatology Program

National Geophysical Data Center

325 Broadway E/GC Boulder,CO 80303

From: Sent: To:

Subject:

Jonathan T. Overpeck <jto@ngdc.noaa.gov> Sunday, September 19, 1999 5:45 PM Michael E. Mann

Re:PAGES-CUVAR meeting in Venice

Hi Mike- you should be at home watching a football game or something (perhaps people trying to find their submerged belongings?). As life often dictates, it appears that neither of the two papers you mention are ready to go, thus they'll have to wait for the next assessment I guess. Yes, Venice will be nice. Back to packing. The office goes tomorrow. Peck

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Head, NOAA Paleoclimatology Program

National Geophysical Data Center

325 Broadway E/GC Boulder, CO 80303

From: Sent: To:

Subject:

Jonathan T. Overpeck <jto@ngdc.noaa.gov> Monday, September 13,1999 6:18 PM  
mann@snow.geo.umass.edu

Re: PAGES-CUVAR meeting in Venice

Hi Mike - was in AK for brothers wedding last couple days. Still want to talk? I'm up for you to give a regular talk in

Venice - your work is too good/central not too. Hope all is well - I'm in a moving panic, but can talk if you want.  
thx, Peck

Dr. Jonathan T. Overpeck

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For OVERNIGHT (e.g., Fedex) deliveries, PLEASE USE:

Dr. Jonathan Overpeck  
Head, NOAA Paleoclimatology Program  
National Geophysical Data Center  
325 Broadway E/GC Boulder,CO 80303

From: Sent: To:

Subject:

Attachments:

Jonathan T. Overpeck <jto@ngdc.noaa.gov> Wednesday, August 25, 1999 8:42 AM  
mann@snow.geo.umass.edu

Fwd: Warning: could not send message for past 4 hours

Venice.Talk.solicit8.99; ATT00060.txt

Mike- not sure if this other email works, but the email msg below was just a warning, so you might have received it ok by now. Just wanted you to know I tried. Enjoy Africa. Peck

>Date: Tue, 24 Aug 1999 20:31:34 -0600 {MDT}  
>From: Mail Delivery Subsystem <MAILER -DAEMON>  
>To:<jto@ngdc.noaa.gov>  
>MIME-Version:1.0  
>Subject: Warning: could not send message for past 4 hours  
>Auto-Submitted: auto-generated {warning-timeout}

>  
>  
>  
> \*\*\*\*\*  
> \*\* THIS IS A WARNING MESSAGE ONLY \*\*  
> \*\* YOU DO NOT NEED TO RESEND YOUR MESSAGE \*\*  
> \*\*\*\*\*  
>  
>The original message was received at Tue, 24 Aug 1999 16:28:12 -0600  
>{MDT) from castoroides [192.149.148.22]  
>  
> -----The following addresses had transient non-fatal errors-----  
><memann@titan.oit.umass.edu>  
>  
> ----- Transcript of session follows-----  
><memann@titan.oit.umass.edu>... Deferred: Connection refused by  
>titan.oit.umass.edu.  
>Warning: message still undelivered after 4 hours Will keep trying until  
>message is 5 days old  
>  
>Reporting-MTA: dns;luna.ngdc.noaa.gov  
>Arrival-Date: Tue, 24 Aug 1999 16:28:12 -0600 {MDT)  
>  
>Final-Recipient: RFC822;mernann@titan.oit.umass.edu  
>Action: delayed  
>Status:4.4.1  
>Remote-MTA: DNS; titan.oit.umass.edu  
>Last-Attempt-Date: Tue, 24 Aug 1999 20:31:34 -0600 (MDT)  
>Will-Retry-Until:Sun, 29 Aug 1999 16:28:12 -0600 (MDT)  
>

>Return-Path:<jto@ngdc.noaa.gov>  
>Received: from [192.149.148.22] {castoroides [192.149.148.22])  
> by luna.ngdc.noaa.gov {8.9.3/8.9.1) with ESMTP id QAA15063  
  
> for <memann@titan.oit.umass.edu>;Tue, 24 Aug 1999 16:28:12 -0600  
>(MDT)  
>X-Sender: jto@192.149.148.121  
>Message-Id:<v04003a1ab3e8dae2fa63@[192.149.148.22]>  
>Mime-Version:1.0  
>Content-Type:multipart/mixed;  
>boundary="=====-1276584952==\_===="  
>Date: Tue, 24 Aug 1999 16:32:22 -0700  
>To: memann@titan.oit.umass.edu  
>From:"Jonathan T. Overpeck" <jto@ngdc.noaa.gov>  
>Subject: Fwd: Re:rooms in venice  
  
>  
>Hi Mike - here's the package to your other account. Note that the  
>purpose of the email is to get comments on the planned letter to  
>participants soliciting them to send in title.abstract etc. so that we  
>can make a good schedule.I'm guessing you'd make an excellent lead  
>discussant, but I don't want to rule out you're doing a talk instead if  
>you have something new and exciting. We might want to consider doing  
>the El paper as an electronic poster too. Anyhow,what I'm really after  
>is for you and a few others to read the draft letter and see if it (general idea and topics) make sense.  
>Enjoy Africa,Cheers, Peck  
  
>  
» Date: Tue, 24 Aug 1999 14:21:58 -0700  
» To: Keith Alverson <keith.alverson@pages.unibe.ch>  
» From: "Jonathan T. Overpeck" <jto@ngdc.noaa.gov>  
>>Subject: Re:rooms in venice

»Cc: JCDuplessy, MikeMann, RayBradley, jouzel@lsce.saclay.cea.fr (Jean

»Jouzel), Keith Briffa <k.briffa@uea.ac.uk>, Kevin Trenberth

»<trenbert @cgd.ucar.edu>, Phil Jones <p.jones@uea.ac.uk>, David

» Battisti <david@atmos.washington.edu>, Frank Oldfield

»<frank.oldfield@pages.unibe.ch>

>>Bee:

>>X-Attachments::Macintosh HD:5922:Venice.schedule.blank: :Macintosh

>>HD:45675:Venice.Talk.solicit8.99:

>>

» Hi Keith, Jean-Claude and friends of PAGES/CLIVAR (or at least Venice):

>>

»Yes, Nov. 8-12 are getting closer, but the crowds are leaving Venice

»as it cools off and gets ready for our PAGES/CLIVAR meeting. Keith

» Alverson is doing a great job of getting everything ready, and our

» only real problem is that everyone wants to participate. I'm sending

»this email out to a wider circle of participants in the hope that we

»make the best of the meeting - I am attaching two documents that need your comment asap.

>>

»1. a MS excel file that gives the basic proposed schedule of the 4-1/2

»day meeting. The strawman is to have up to 9 "talks" per day, with

»each talk followed by an assigned lead discussant and general

»discussion. It looks like we can accommodate 34 talks/discussions this

>>way

>>

»2. a MS word file (also included below as ascii text, just in case)

»that is a draft solicitation to be sent out asap to all participants.

»In order to get good talks on hot topics, it has been suggested that

»we solicit ideas from everyone and then put them together into a

»schedule. This means we might have to tell some that they have to lead



»a discussion rather than give a full talk, but that's better than  
»hours of short talks without good discussion. hopefully, we'll get  
»some good poster ideas too, so that a long afternoon coffee session  
»each day will be accompanied by good poster interaction. This can  
>>happen during lunch too, since we hope to "order in."

>>

»Please let me know what you think asap. I know some are off in Africa,  
»but figured we'd get some feedback and that it would be enough to take  
»the plunge and get the notice out to everyone.

>>

» Thanks! Peck

>>

»Here's a text version of the second attachment

>>

»Dear Participant -

>>

»This message is intended to solicit your response. We need you to  
»reply by Sept. 15th if you wish to present a talk. Please read on to  
»understand what we need from you by Sept. 15.

>>

» The goal of the upcoming Venice PAGES/CLIVAR workshop is to make  
»progress in understanding the full range of climate variability and predictability.  
»Most of the workshop will be devoted to talks, posters and discussion  
»of the state-of-the-art, with a smaller amount of time allotted to  
»making plans for future PAGES/CLIVAR research and interaction.

>>

»Almost everyone invited to attend the workshop said yes, with the  
» result that we have more participants than oral presentation slots.  
» This is ok, since we hope to have some good posters as well as talks.  
»In addition, we hope to design the schedule to allow for plenty of

»discussion after each talk, with an assigned "discussant" taking the lead for each talk.

>>

»Therefore, each participant has the option of:

>>

»1} giving a talk (20 minutes each)- maximum number = 34

»2} being a lead discussant for a talk (can include 5-10 minute

\*

»view/discuss posters} max. number= 20

>>

»If you wish to give a talk and/or poster (we encourage posters from

»both speakers and non-speakers, although we have limited space},

»please submit a title and short abstract by Sept. 15. Please also

»indicate what session (see below} you think your talk/poster is

>>relevant to AND whether you want

»20 minutes or 5-10 minutes). If there are more abstracts than schedule

»space, we will pick those that appear most relevant and complimentary

»to other talk/posters being scheduled. We will strive for balance, and

»in some cases ask you to change your mode of presentation to fit with

»the overall meeting. We will then be asking many participants to serve

»as lead discussants (that is, give a shorter talk). All talks,

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>>

»Meeting Sessions will include (please specify how your abstract fits!)

>>

»1. Evaluation of new/recently produced hemispheric to global-scale

»multi-century climate reconstructions: climate change detection and

»attribution 2. Analysis of centuries-long records of Pacific-related

»variability 3. Analysis of centuries-long records of Monsoonal-related

»variability 4. Analysis of centuries-long records of Atlantic-related  
» variability 5. Analysis of centuries-long records of hydrological  
»variability 6. Analysis of climate forcing over the last millennium 7.  
»Modeling climate variability of the last millennium

>>

»NOTES on abstracts- please include the following by Sept. 15.

>>

»1. Title and authors/affiliations of authors 2. 200 to 500 word  
»abstract (no figs, but references ok) 3. Relevant session title (see  
»about list of seven titles) 4. Whether you prefer 1) 20 min talk,2)  
»5-10 minute discussion lead or 3) poster

>>

»Please feel free to submit more than two abstracts if one is for a poster.

>>

>>Please contact us if there are any questions.

>>

>>

>

>

>

>Dr. Jonathan T. Overpeck

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>Boulder,CO 80303

>

From: Sent: To:

Cc:

Subject:

Jonathan T. Overpeck <jto@ngdc.noaa.gov> Tuesday, August 24, 1999 5:22 PM

Keith Alverson

Jean-Claude.Duplessy@cfr.cnrs-gif.fr; mann@snow.geo.umass.edu;

rbradley@climate.gl eo.umass.edu;Jean Jouzel;Keith Briffa; Kevin Trenberth;Phil Jones; David Battisti; Frank Oldfield

Re: rooms in venice

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Almost everyone invited to attend the workshop said yes, with the result that we have more participants than oral presentation slots. This is ok, since we hope to have some good posters as well as talks. In addition, we hope

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Head, NOAA Paleoclimatology Program

National Geophysical Data Center

325 Broadway E/GC Boulder, CO 80303

From: Sent: To:

Subject:

owner-tar\_la@meto.gov.uk on behalf of Murrill, Anne <amurrill@meto.gov.uk> Thursday, March 02, 2000  
10:23 AM ·

'TAR CLAs'; 'TAR LAs'; 'TAR REVIEW EDITORS '; 'Tech Sum team'

AUKLAND MEETING - PARTICIPANT UST

Dear all,

Please find below participant list in respect of the Auckland meeting. I have also attached it as a Notepad doc. Please notify me of any errors or additions ASAP.

Regards,

Anne « NZ Partlist.txt » Mr Epiphane D Ahlonsou

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Benin

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Tel:+ 1409 845 0795 fax:+ 1409 847 8879 ghegerl@ocean.tamu.edu

hegerl@ocean.tamu.edu - for email attachments

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Dr Bruce Hewitson

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Fax:+ 27 21650 3791 hewitson@egs.uct.ac.za

Sir John Houghton

Hadley Centre for Climate Prediction & Research Meteorological Office, london Road, Bracknell, Berkshire, RG12 2SY United Kingdom jthoughton@ipccwgl.demon.co.uk

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Prof Ivar Isaksen Dept.of Geophysics University of Oslo

PO Box 1022,0315 Blindern

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TEL:+ 47 22 855 822

FAX:+ 47 22 855 269 ivar.isaksen@geofysikk.uio.no

Dr Victor J Jaramillo

Departamento de Ecolog'a de los Recursos Naturales, Instituto de Ecolog'a, UNAM, Campus Morelia, Apartado Postal 27-

3, Xangari Morelia, Michoac'n 58089 Mexico tel:+ 52 43 200 551

fax: + 52 43 200 830 luque@ate.oikos.unam.mx

Dr Richard Jones

Hadley Centre for Climate Prediction & Research Meteorological Office London Road, Bracknell Berkshire, RG12 2SY United Kingdom

TEL:+ 44 1344 85 6418

FAX:+ 44 1344 85 4898 rgjones@meto.gov.uk

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IPCC WGI Vice Chair,

Physics Institute, University of Bern

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FAX:+ +41(0)3163187 42 joos@climate.unibe.ch

Dr Sylvie Joussaume

LSCE IPSL

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Attachment Converted: c:\program files\eudora\attach\NZ Partlist.txt

From: Sent: To:

Cc:

Subject:

Malcolm Hughes <mhughes@ltr.arizona.edu> Monday, May 29, 2000 1:59 PM

Michael E. Mann mhughes@ltr.arizona.edu

Re: media press release kit

Mike - E\Ray left for the Arctic on May 23rd, I think for 3 weeks, CHEers, Malcolm Malcolm Hughes Professor  
of

Dendrochronology Laboratory of Tree-Ring Research University of Arizona Tucson, AZ 85721

520-621-6470

fax 520-621-8229

From: Sent: To:

Cc:

Subject:

Mike- consider it done, Malcolm

Malcolm Hughes

Professor of Dendrochronology Laboratory of Tree-Ring Research University of Arizona

Tucson, AZ 85721

520-621-6470

fax 520-621-8229

Malcolm Hughes <mhughes@ltr.arizona.edu> Tuesday, June 06, 2000 9:03 PM

Michael E. Mann srutherford@virginia.edu Re: thoughts?

From: Sent: To:

Subject:

Scott Rutherford <srutherford@gso.uri.edu> Thursday, May 16, 2002 4:27 PM

Mike Mann

Fwd:Re: From The ITCWeb Consult Mail Form

<x-flowed>

I think Shayne's brother is working for ITC. I'll have to figure out if multiproxy can be a mail relay from your isp's, there must be some way to do it.

-Scott

Scott:

The problem with smtp may be with your dialup ISP. There server could be the problem,check with them.Why not just stick with the cable ISP if all works o.k.

Tom osborne for consult

>Date: Thu,16 May 2002 15:03:57-0400 (EDT)  
>From: "Consult@virginia.edu" <helpdesk@jm.acs.virginia.edu>  
>To: Scott Rutherford <srutherford@gso.uri.edu>  
>Subject:Re: From The ITCWeb Consult Mail Form

>

>Sco tt,

>

>I think you will have to change your smpt each time.

>Have you tried that?

>

>\*\*\*\*\*

>\*\*\*\*

>WARNING: Do not open Email attachments unless you are expecting them.

>Even if they appear to be from someone you know, they might contain a virus!  
>Please keep your anti virus program up to date. ITC provides the  
>Corporate Edition of Norton Anti-Virus for FREE to the University Community.  
>You can find it at the web site:

>  
> [www.itc.virginia.edu/desktop/central](http://www.itc.virginia.edu/desktop/central)

>\*\*\*\*\*

>\*\*\*\*

>Donna,for consult

>ITC Computing Help Desk

>235 Wilson Hall

>Phone:(434) 924-3731

>Phone Hours: 7AM- 7PM Mon- Thur;7AM- 5PM FriWalkin Hours:8AM-

>4:30PM Mon- Fri

>On Thu,16 May 2002,Scott Rutherford wrote:

>>Tom,

>> » The cable isp is great at home,but I needed something for the road.

>> » -Scott

>> » > Scott:

>> » > The problem with smtp may be with your dialup ISP. There server

>> » >could be the problem, check with them. Why not just stick with the

»>cable ISP if all works o.k.

>> >

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>>

Tom osborne for consult

>>>\*\*\*\*\*

>>\*\*\*\*\*

» >WARNING: Do not open Email attachments unless you are expecting  
»them. Even >if they appear to be from somone you know, they might contain a virus!

>> >Please keep your anti virus program up to date. ITC provides the

»Corporate >Edition of Norton Anti-Virus for FREE to the University Community.

» >You can find it at the web site:

>> >

» > [www.itc.virginia.edu/desktop/central](http://www.itc.virginia.edu/desktop/central)

>> >

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» >ITC Computing Help Desk

» >235 Wilson Hall

» >Phone: (434) 924-3731

» >Phone Hours:7AM- 7PM Man- Thur;7AM- 5PM Fri >Walkin Hours:

»8AM -4:30PM Mon- Fri > >On Thu,16 May 2002

»webuser@jm.acs.virginia.edu wrote:

>> >

» » Mail from the web form at

>> >><http://www.itc.virginia.edu/desktop/consultmail/home.html>

>> >>

» » Whois information

>> >> -----

» » Name:Scott Rutherford

» » Classification:Faculty

» » Department:As-Environmental Sciences » » Today's Date: Thu

»May 16 14:11:58 EDT 2002 » » » Name: Scott Rutherford »

»Email address: sdr7p@virginia.edu » Phone number: {434) 924-7770

»» If necessary, the best time to call is Friday afternoon » »

»Computer brand and model: Wintellaptop » Operating system:

»Windows 98 Version:

» » Amount of RAM on the system: 256 » Amount of free disk space

»on the system: 700MB » Description of the problem:

» » smtp.mail.virginia.edu will not allow e-mail to be sent from my

»» new dial-up isp (slip-32-101-76-141.va.us.prserv.net). I also have

»» a cable modem and smtp.mail.virginia.edu will let me send mail on

»» that account (va-charlottesville2a-429.chr.adelphia.net). Do I

»» have to change my smtp server in the Eudora client everytime I

»»switch between dial-up and cable modem or is there another way?

>> >>

>> >> Thanks

>> > >

>>

>>

>> --

>> -----

> >   **Scott Rutherford**

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From: Sent: To:

Subject:

Amazon.com Delivers Science <delivers@amazon.com> Thursday, April 04, 2002 1:46 PM

mann@virginia.edu

Stephen Jay Gould, Math Books, and More!

Amazon.com Delivers Science

Editor, Rob McDonald

FEATURED IN THIS E-MAIL:

\* New and Notable

\* Stephen Jay Gould: Evolution's Champion

\* Real-World Mathematics



- \* Top-Selling Science Hardcover
- \* Top-Selling Science Paperbacks
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Stephen Jay Gould gets lots of ink this month, and he deserves it.

His massive new opus, "The Structure of Evolutionary Theory," is a monumental labor of academic love (read on to find more of our favorite books by Gould). You may also enjoy "Prime Mover," Steven Vogel's book on muscles, "Cradle to Cradle" and its innovative environmental solutions, a collection of readable math books, science bestsellers, and more!

We love to hear from you. Keep sending us suggestions for books you'd like to read about. E-mail comments to science-

comments@amazon.com. --Rob McDonald

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NEW AND NOTABLE

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"The Structure of Evolutionary Theory" Stephen Jay Gould

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The theory of evolution is regarded as one of the greatest glimmerings of understanding humans have ever had. It is an idea of science, not of belief, and therefore undergoes constant scrutiny and testing by argumentative evolutionary biologists. But while Darwinists may disagree on a great many things, they all operate within a framework of thought first set down in "The Origin of Species" in 1859. In "The Structure of Evolutionary Theory," Stephen Jay Gould attempts

to define and revise that framework, showing how modern evolutionary biology has lost its way.

"Prime Mover: A Natural History of Muscle" Steven Vogel

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Biologist and bioengineer Steven Vogel takes us deep within our bodies, observing humans and other animals at rest and at work to show how muscles expand and (sort of) contract, how our proprioceptive system coordinates that motion, how bodily mass relates to metabolism, and many other matters. Muscle is, of course, meat, and Vogel closes his book with a discussion of why meat has so long been prized in the human diet--and why today we can do without it and still keep the motor running.

"Cradle to Cradle : Remaking the Way We Make Things" William McDonough

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Paper or plastic? Neither, say William McDonough and Michael Braungart. Why settle for the least harmful alternative when we could have something that is better--say, edible grocery bags! In "Cradle to Cradle," the authors present a manifesto calling for a new industrial revolution, one that would render both traditional manufacturing and traditional environmentalism obsolete.

We also recommend these new science titles:

\* "El Niño: Unlocking the Secrets of the Master Weather-Maker" by J. Madeleine Nash

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\* "Beyond Earth: Mapping the Universe" edited by David Devorkin

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\* "Ice Chronicles: The Quest to Understand Global Climate Change" by Paul Andrew Mayewski

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\* "The Universe Next Door: The Making of Tomorrow's Science" by Marcus Chown

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\* "What It Means to Be 98 Percent Chimpanzee: Apes, People, and Their Genes" by Jonathan Marks  
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\*"Discover," 12 issues for \$15.97

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\*"Popular Science," 12 issues for \$15.94

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STEPHEN JAY GOULD:EVOLUTION'S CHAMPION

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Stephen Jay Gould is one of the great theorists and popularizers of modern biology and an outspoken champion of science. His latest book, "The Structure of Evolutionary Theory," is a huge manifesto revising and defining Darwin's principles. Gould is a prolific writer and editor, with more than 20 books to his name. Here are some of our favorites:

1. "The Mismeasure of Man" (1981) is Gould's scathing scientific indictment of both the intelligence-testing industry and the class system that is structured around it.

[http://www.amazon.com/exec/obidos/ASIN/0393314251/ref=mk\\_del\\_277155](http://www.amazon.com/exec/obidos/ASIN/0393314251/ref=mk_del_277155)

2. "Wonderful Life: The Burgess Shale and the Nature of History"

(1989) uses the strange fossils of a famous 600-million-year-old formation to make a case for his controversial stance on contingent evolution. Sounds dry, but it's not--Gould is at his best when showing his love of science. [http://www.amazon.com/exec/obidos/ASIN/039330700X/ref=mk\\_del\\_277155](http://www.amazon.com/exec/obidos/ASIN/039330700X/ref=mk_del_277155)

3. "The Book of Life" (1993), edited by Gould, offers a beautifully illustrated overview of the history of life as told in the fossil record. An excellent general reference.

[http://www.amazon.com/exec/obidos/ASIN/0393321568/ref=mk\\_del\\_277155](http://www.amazon.com/exec/obidos/ASIN/0393321568/ref=mk_del_277155)

4. "Rocks of Ages" (1999) marks Gould's efforts to reconcile science and religion. He recognizes the majesty of both without trying to blur the line between them.

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5. "The Lying Stones of Marrakech" (2000) is, as the subtitle says, Gould's second-to-last collection of essays from his popular series in "Natural History" magazine.

[http://www.amazon.com/exec/obidos/ASIN/0609807552/ref=mk\\_del\\_277155](http://www.amazon.com/exec/obidos/ASIN/0609807552/ref=mk_del_277155)

## REAL-WORLD MATHEMATICS

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Besides helping you balance your checkbook, mathematics has infinite relevancy in the real world. Here are some recommended books to help you find the numbers under the surface:

\* "Political Numeracy: Mathematical Perspectives on Our Chaotic Constitution" by Michael Myerson

[http://www.amazon.com/exec/obidos/ASIN/0393041727/ref=mk\\_del\\_277155](http://www.amazon.com/exec/obidos/ASIN/0393041727/ref=mk_del_277155)

\* "Radical Equations: Math Literacy and Civil Rights" by Robert P. Moses and Charles E. Cobb Jr.

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\* "Conned Again, Watson! Cautionary Tales of Logic, Math, and Probability" by Colin Bruce  
[http://www.amazon.com/exec/obidos/ASIN/0738205893/ref=mk\\_deI\\_277155](http://www.amazon.com/exec/obidos/ASIN/0738205893/ref=mk_deI_277155)

\* "Damned Lies and Statistics: Untangling Numbers from the Media, Politicians, and Activists" by Joel Best  
[http://www.amazon.com/exec/obidos/ASIN/0520219783/ref=mk\\_del\\_277155](http://www.amazon.com/exec/obidos/ASIN/0520219783/ref=mk_del_277155)

\* "It Must Be Beautiful: Great Equations of Modern Science" edited by Graham Farmelo  
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## TOP-SELLING SCIENCE HARDCOVERS

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2. "The Structure of Evolutionary Theory" by Stephen Jay Gould  
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3. "The Future of Life" by Edward Osborne Wilson  
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5. "The Essential John Nash" edited by Sylvia Nasar  
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2. "A Brief History of Time" by Stephen Hawking  
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3. "Statistics for the Utterly Confused" by Lloyd R. Jaisingh, Ph.D.  
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4. "The Selfish Gene" by Richard Dawkins  
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5. "Longitude: The True Story of a Lone Genius Who Solved the Greatest Scientific Problem of His Time" by Dava Sobel [http://www.amazon.com/exec/obidos/ASIN/0140258795/ref=mk\\_de1\\_277155](http://www.amazon.com/exec/obidos/ASIN/0140258795/ref=mk_de1_277155)

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The April issue of Nature Reviews Genetics features a special print and web focus on the Evolution of Sex.

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Evolutionary biologists have proposed many theories to explain the widespread occurrence of sexual reproduction and the associated process of genetic recombination. This collection of articles, by leading researchers in the field, illustrates the current status of these theories and delves into the genetic and behavioural consequences of different sexual strategies.

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Have you seen Ron Howard's latest film, "A Beautiful Mind?" The incredible life story of Nobel prize-winning mathematician John Nash makes for great film, but perhaps even better is the new Nash biography of the same name, written by Sylvia Nasar. (Also

recommended: "The Essential John Nash.") You might also enjoy a trio of books on vastly different subjects: "Plate Tectonics," Edward Wilson's important "The Future of Life," and "The Quantum and the Lotus," an exploration into Buddhism and modern science that's sure to spark some deep thoughts. Also in this delivers: your favorite magazine subscriptions, new and used textbooks, and more!

NEW AND NOTABLE

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"A Beautiful Mind: The Life of Mathematical Genius and Nobel Laureate John Nash" Sylvia Nasar

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In "A Beautiful Mind," economist and journalist Sylvia Nasar has written a biography of John Nash that looks at all sides of his life. She gives an intelligent, understandable exposition of his mathematical ideas and a picture

of schizophrenia that is evocative but decidedly unromantic. Her story of the machinations behind Nash's Nobel is fascinating and one of very few such accounts available in print (the CIA could learn a thing or two from the Nobel committees). This highly recommended book is indeed "a story about the mystery of the human mind, in three acts: genius, madness, reawakening."

More to explore: "The Essential John Nash"

[http://www.amazon.com/exec/obidos/ASIN/0691095272/ref=mk\\_del\\_250481](http://www.amazon.com/exec/obidos/ASIN/0691095272/ref=mk_del_250481) "Plate Tectonics: An Insider's History of the Modern Theory of the Earth" Naomi Oreskes

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Widely dismissed as crank science in earlier generations, the theory of plate tectonics—which explains the movement of continents in geological time, as well as the formation of the earth's major features—is now largely accepted as fact within the scientific community. Drawing on the memories of leading theoreticians in the field, scientist and historian Naomi Oreskes offers "Plate Tectonics," a vivid history of just how that transformation occurred. Oreskes describes the early quest on the part of James Dana, Alfred Wegener, J. H. Hodgson, and other scientists to account for the mechanics

of earthquakes and certain puzzling features of geomorphology, a quest widened and strengthened by the work of

deep-ocean explorers who were able, beginning in the 1960s, to study tectonics at work far below the surface of the world's waters.

"The Future of Life" Edward Osborne Wilson

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In "The Future of Life," eminent Harvard naturalist and Pulitzer Prize winner Edward Wilson marshals all the prodigious powers of his intellect and imagination in this impassioned call to ensure the future of life as we know it. Opening with an imagined conversation with Henry David Thoreau at Walden Pond, Wilson writes that he has come "to explain to you, and in reality to others and not least to myself, what has happened to the world we both have loved."

"The Quantum and the Lotus: A Journey to the Frontiers Where Science and Buddhism Meet" Matthieu Ricard

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How did the universe come into being? What is the meaning of human life against the blackness of infinity? Religion and science have many answers to these and like questions, answers that sometimes meet but more often diverge. In "The Quantum and the Lotus," French Buddhist monk Ricard and Vietnamese-born astrophysicist Trinh explore how

Buddhism and modern science address life's big questions. Among the matters they touch on, sometimes fleetingly and sometimes in depth, are the illusory nature of phenomena, the guiding intelligence of nature, and the search for the mechanisms that drive planets and humans alike. Both authors, each conversant in the other's medium, argue against reductionist views of nature.

And both provide plenty of data in support of Albert Einstein's declaration that "if there is any religion that could correspond to the needs of modern science, it would be Buddhism."

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If you're of a certain age, you likely went through a dinosaur phase as a kid, perhaps even dreaming of turning up the bones of stegosauruses, tyrannosauruses, and other famed creatures of the Age of Reptiles. In this affectionate memoir of "a life in the field,"

paleontologist Michael Novacek writes of his early years entertaining such dreams and of his ongoing education in the ways of the "terrible lizards." Now curator of paleontology at the American Museum of Natural History, Novacek has traveled the world on the trail of fossils and ancient bones, collecting thousands on thousands of specimens. Armchair travelers and paleontologists in training, to say nothing of readers going through a dinosaur phase of their own, will take much pleasure in Novacek's journeys into his--and the planet's--past. Available in February.

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http://www.phil.pku.edu.cn/resguide/comdig/</FONT></A><FONT SIZE="-1"> (Chinese GB-  
Code)</FONT></P>

<P><FONT SIZE="-1" COLOR="#D10150"><1>"I think the nex t century will be the century of complexity."  
Stephen

Hawking</1></FONT><FONT SIZE="-1" COLOR="#FF00FF"><I> </1></FONT></P>

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</B></A>DarwinMag</LI>

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<LI><A HREF="#12"><B>Is The Genome The Secular Equivalent Of The  
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<LI><A NAME=1></A><B>'Theory Of Mind' And Executive Functions,</B> Brain

<P><I>Abstract: There have been recent suggestions that the amygdala may be involved in the development or mediation of

'theory of mind'. We report a patient B.M., with early or congenital left amygdala damage who, by adulthood, had received the psychiatric diagnoses of schizophrenia and Asperger's syndrome. We conducted a series of experimental investigations to determine B.M.'s cognitive functioning. In line with his

diagnoses, B.M. was found to be severely impaired in his ability

to represent mental states. Following this, we conducted a second series of studies to determine S.M.'s executive functioning. In

the literature, there have been frequent claims that theory of

mind is mediated by general executive functioning. B.M. showed no indication of executive function impairment, passing 16 tests assessing his ability to inhibit dominant responses, create and maintain goal-related behaviours, and temporally sequence behaviour. The findings are discussed with reference to models regarding the role of the amygdala in the development of theory of mind and the degree of dissociation between theory of mind and executive functioning. We conclude that theory of mind is not simply a function of more general executive functions, and that executive functions can develop and function on-line, independently of theory of mind. Moreover, we conclude that the amygdala may play some role in the development of the circuitry mediating theory of mind.</1></P>

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<LI><A HREF="http://brain.oupjournals.org/cgi/content/abstract/124/2/287" TARGET=new><FONT SIZE="-1"><B>Dissociation

Between 'Theory Of Mind' And Executive Functions In A Patient With Early left Amygdala Damage</B></FONT></A><FONT SIZE="-1">,C. Fine,J. Lumsden, and R. J. R. Blair, Brain 2001February 1; 124(2): p. 287-298</FONT></LI>

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<LI><A NAME=2></A><B>"Essence" Of Human Nature In Frontal Lobe?,  
</B>Baycrest Cntr. f. Ger. Care/Science Daily

<P><I>Excerpt:&nbsp;A new study has found the strongest evidence yet that what sets humans apart from other primates may be found in the brain's frontal lobes, particularly in an area the size of a "billiard ball" called the right prefrontal cortex.

{&#133;}</1></P>

<P><I>Understanding the mental processes of others -- mentalizing

- is the basis of our socialization and what makes us human. It gives rise to our capacity to feel empathy,sympathy, understand humor and when others are being ironic, sarcastic or even deceptive. It's a "theory of mind" that has been associated with the frontal lobes, but until now scientists have had difficulty demonstrating this ability to specific regions of the brain.

</1></P>

<P><I>What is exciting about this study,according to Dr. Timothy Shallice of the Institute of Cognitive Neuroscience at University College London,is that the Rotman study came at this challenge with two different testing methods and both generated similar compelling evidence to show that these higher cognitive functions in humans are "localizable" to a specific region within the frontallobes. Dr. Shallice wrote the lead editorial in BRAIN.

</1></P>

<P><I>Dr.Stuss and his research colleagues tested patients who had damage to various parts of the frontal lobes, and other areas of the brain as well. The selective impairment in only some patients provided the ability to precisely localize those regions that are necessary when specific mentalizing tasks are performed. Co-authors on the paper with Dr. Stuss,who is director of The Rotman Research Institute at Baycrest,were Dr. Gordon Gallup,

Department of Psychology, State University of New York at Albany; and Dr. Michael Alexander, Memory Disorders Research Centre at Boston University and Department of Neurology, Harvard University.

</1></P>

<P><I>"In our study, we've shown that the frontal lobes were the most critical region for visual perspective taking, and the

inferior medial prefrontal region, particularly for the right, for detecting deception," says Dr. Stuss. Visual perspective taking is the ability to empathize or identify with the experience of another person.</1></P>

<P><I>It has long been known that some patients with frontal lobe damage have significantly changed personalities. What is important about the study is that it helps families, friends and caregivers

of the patient to appreciate and understand a very important reason why this occurs. This deficit in mentalizing can affect social cognition which is important in everyday human

interactions. For example, patients with damage in the specific frontal area are often less empathetic and sympathetic, and they miss social cues which lead to inappropriate judgements.</1></P>

<P><I>In the study, 32 adults with lesions in frontal and

non-frontal brain regions, most commonly as a result of stroke,

and a control group of 14 healthy adults, underwent two seemingly very simple tests. Both tasks required participants to guess which coffee cup a ball was hidden under. Participants sat across a

table from the experimenter and a table curtain was used on some occasions to conceal which cup the experimenter hid the ball under. The participant was asked to point to the correct cup.

</1></P>

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<LI><A HREF="http://www.sciencedaily.com/releases/2001/02/010201070128.htm" TARGET=new><FONT SIZE="-1"><B>Study

Pinpoints Region In Frontal Lobes As "Essence" Of What

Makes Us Human</B></FONT></A><FONT SIZE="-1">,</1>

</FONT><A HREF="http://www.baycrest.org/" TARGET=new><FONT SIZE="-1">Baycrest  
Center For Geriatric Care</FONT></A><FONT SIZE="-1">, Science Daily,01/02/02</FONT></LI>  
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<LI><A NAME="2.1"></A><B>The Frontal Lobes Are Necessary For  
'Theory Of Mind'<, /B> Brain

<P><I>Abstract: Patients with limited focal frontal and nonfrontal lesions were tested for visual perspective taking and detecting deception. Frontal lobe lesions impaired the ability to infer mental states in others, with dissociation of performance within the frontal lobes. Lesions throughout the frontal lobe, with some suggestion of a more important role for the right frontal lobe, were associated with impaired visual perspective taking. Medial frontal lesions, particularly right ventral, impaired detection of deception. The former may require cognitive processes of the lateral and superior medial frontal regions, the latter affective connections of the ventral medial frontal with amygdala and other limbic regions.</I></P>

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<LI><A HREF="http://brain.oupjournals.org/cgi/content/abstract/124/2/279" TARGET=new><FONT SIZE="-1"><B>The Frontal Lobes Are Necessary For 'Theory Of Mind'</B></FONT></A><FONT SIZE="-1"><B>,</B> Donald T. Stuss, Gordon G. Gallup, Jr, and Michael P. Alexander, Brain 2001 February 1; 124(2): p. 279-286</FONT></LI>

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<LI><A NAME=3></A><B>Time Scales In Motor Learning And Development,</B> Psychological Review

*Abstract:* A theoretical framework based on the concepts and tools of nonlinear dynamical systems is advanced to account for both the persistent and transitory changes traditionally shown for the learning and development of motor skills. The multiple time scales of change in task outcome over time are interpreted as originating from the system's trajectory on an evolving attractor landscape. Different bifurcations between attractor organizations and transient phenomena can lead to exponential, power law, or

S-shaped learning curves. This unified dynamical account of the

functions and time scales in motor learning and development offers several new hypotheses for future research on the nature of change

in learning theory. Reprint requests can be sent to <mailto:gxm21@psu.edu> *Gottfried Mayer-Kress*

**Time**

<http://www.apa.org/journals/rev/101ab.html#3> TARGET=new

Scales In Motor Learning And

Development

Karl M. Newell, Yeou-Teh Liu, Gottfried

Mayer-Kress, Psychological Review, 2001, Vol. 108, No.

1,57-82

**Find That Tune**, Nature

*Excerpts:* Thomas Münte of the University of Magdeburg, Germany, and colleagues compared conductors' sonic accuracy with that of classical pianists and non-musicians, all of whom had on average more than 15 years of professional experience. Münte's team found that conductors can focus their hearing more sharply even than other professional musicians.

(&tf133;)

*M&uuml;n*'s team sat subjects before an array of six speakers, three in front of the subject, and three off to one side. Through these were played bursts of pink noise(¶).</i></p>

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<LI><A HREF="http://www.nature.com/nsu/010201/010201-9.html" TARGET=new><FONT SIZE="-1"><B>Brain: Find That Tune</B></FONT></A><FONT SIZE="-1"><B>,</B>

</B>John Whitfield,Nature Science Update,</B>

01/02/01</FONT></LI>

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<LI><A NAME="4.1"></A><B>Superior Auditory Spatial Tuning In</B>

Conductors,</B>Nature</B>

<P><I>Excerpts: Seven classical-music conductors (mean age, 45 yr; mean conducting experience, 19 yr; minimum, 6 yr), seven pianists (mean age, 43 yr; mean professional playing experience, 16 yr; minimum, 7 yr) and seven non-musicians (mean age, 43 yr) were tested in a paradigm used originally to demonstrate superior sound localization in congenitally blind</I></P>

subjects(¶)</I></P>

<P><I>From magnetoencephalographic recordings, the attention effect is known to arise in the secondary auditory cortex, an</I></P>

area also implicated from functional imaging.</I></P>

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<LI><A HREF="http://www.nature.com/cgi-</A>

ta f/DynaPage.taf?file=/nature/journal/v409/n6820/full/409580a0\_fs.htmI" TARGET=new><FONT SIZE="-1"><B>Superior

Auditory Spatial Tuning In

Conductors</B></FONT></A><FONT SIZE="-1"><B>,</B>

</B>M&uuml;nster, T. F., Kohlmetz,C., Nager, W. & Altenm&uuml;ller,E.Nature 409,580 (2001).</FONT></LI>

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<LI><A NAME=S></A><B>Astounding Bat Mobility,</B> Nature Science

Update

<P><I>Excerpt: They displayed some of their most adroit manoeuvring in dramatic 'dogfights', in which one bat pursued another. "The scope of echo processing needed to guide bats through these high-speed aerial dogfights &H33; is a positive embarrassment for most current thinking about auditory coding of echoes," say the researchers.</I></P>

<P><I>An understanding of how bats perform these feats could produce technological spin-offs for sonar navigation and detection equipment, Simmons' group suggests. Already bats' broad-band (many-frequency) sonar system is emulated in mine-sweeping technology.</I></P>

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<LI><A HREF="http://www.nature.com/nsu/010208/010208-1.html" TARGET=new><FONT SIZE="-1"><B>Astounding

Bat Mobility</B></FONT></A><FONT SIZE="-1"><B>,</B>

</B>Philip Ball,Nature Science Update,

01/02/02</FONT></LI>

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<LI><A NAME="#5.1"></A><B>Versatility Of Biosonar In The Big

**Abstract:** Infrared cameras and ultrasonic microphones were used to record big brown bats (*Eptesicus fuscus*) flying in natural conditions at night while they hunted for insects. As expected, bats avoided obstacles while flying through vegetation and intercepted flying prey in the open. But bats also appeared to capture insects near and possibly on the

ground and near or in vegetation, flew low over water to drink,

and pursued each other in aerial "dogfights." In less than a minute, the same bat often used echolocation for several different tasks, showing a wider repertoire of sonar-guided behavior than revealed by previous observations limited to seeing bats flying against the evening sky or being photographed in fixed fields-of-view.

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**VERSATILITY**  
[http://ojps.aip.org/journal\\_cgi/getabs?KEY=ARLOFJ&cvips=ARLOFJ000002000001000043000001&gifs=Yes](http://ojps.aip.org/journal_cgi/getabs?KEY=ARLOFJ&cvips=ARLOFJ000002000001000043000001&gifs=Yes) TARGET=new

**OF BIOSONAR IN THE BIG BROWN BAT, *Eptesicus fuscus***

**SIMMONS, J. A., EASTMAN, K. M., HOROWITZ, S.**

**S., O'FARRELL, M. J. & LEE, D. N., Acoustics Research Letters Online 2(1), 43-48 (2001).**

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**LI** **6** **Sniffing Out Odors With Multiple**

**Dendrites, Science**

The sense of smell is one of our most fundamental senses. The representation of an odor is a fundamental challenge to understanding how our brain works. Early work on rabbits by

**Walter Freeman** who observed spatio-temporal pattern dynamics representing odors in the olfactory bulb could be confirmed and generalized for zebra fish brains:

**Odor representations in the olfactory bulb are not stationary but change while the stimulus is present. Friedrich and**



Laurent (p. <http://www.sciencemag.org/cgi/content/short/291/5505/889>)

; see the Perspective by <http://www.sciencemag.org/cgi/content/short/291/5505/835> Yoshihara

et al.) recorded from mitral cells in the olfactory

bulb of the zebra fish. Responses of these neurons to odors became progressively transformed during the time course of stimulus presentation. This transformation was not due to sharpening of individual mitral-cell tuning profiles. Instead, odor

representation appeared to become more evenly distributed at later times during stimulation. Temporal patterning reduced the

similarity between ensemble activities and made each odor

representation more specific over time. These data provide an important step in our understanding of how olfaction differs from other sensory modalities.

Excerpt: A sense of smell (olfaction) is an essential

feature of most animal species, from insects and fish to mammals.

An enormous number of odorant molecules are recognized by odorant receptors expressed on the surface of sensory neurons in the

olfactory epithelium (1). Each neuron carries only one type of odorant receptor, and this receptor is activated by a range of odorants with similar structures. The axons of olfactory neurons send odor information encoded as electrical impulses to the olfactory bulb.

<B>Sniffing

Out Odors With Multiple Dendrites

Yoshihara, Yoshihiro, Nagao, Hiroshi, Mori, Kensaku, Science 2001291: 835-837

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[6.1](#) **Dynamic Optimization Of Odor Representations By Slow Temporal Patterning Of Mitral Cell Activity**, Science

**Abstract:** Mitral cells (MCs) in the olfactory bulb (OB) respond to odors with slow temporal firing patterns. The representation of each odor by activity patterns across the MC population thus changes continuously throughout a stimulus, in an odor-specific manner. In the zebrafish OB, we found that this distributed temporal patterning progressively reduced the similarity between ensemble representations of related odors, thereby making each odor's representation more specific over time. The tuning of individual MCs was not sharpened during this process.

**Abstract:**

<http://www.sciencemag.org/cgi/content/short/291/5505/889> **Dynamic**

**Dynamic**

**Optimization Of Odor Representations By Slow Temporal**

**Patterning Of Mitral Cell**

**Activity**, Rainer W. Friedrich and Gilles Laurent, Science 2001291:

889-894

[6.2](#) **Odorant Detection And Classification,**

**Brain Components as Elements of Intelligent Function**

**Excerpt:** Spatial pattern formation is the primary task of the olfactory receptor layer, and pattern classification and interpretation are the primary tasks of the central olfactory system. The parallel distributed nonlinear feedback model that is described here, operating in the chaotic domain, has been shown to perform pattern classification of industrial data (Davis and Eichenbaum 1991; Yao, et al. 1991). It can learn a new class of inputs in one or a few trials lasting 200 msec of

simulated time, and it is virtually immune to background noise. The most useful application for this biologically inspired

system may be to provide an interface between the real world and finite state automata, in the way that the sensory cortices interface between the environment and the limbic system.

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<LI><A HREF="http://sulcus.berkeley.edu/wjf/AA.Review.of.olfaction.pdf" TARGET=new><FONT SIZE="1"><B>Oifactory

System:Odorant Detection And Classification,Brain Components as Elements of Intelligent Function</B></FONT></A><FONT SIZE="-1">,Walter J Freeman,Chapter in Vol. Ill, Part 2: Building Blocks for Intelligent Systems: Brain Components as Elements of Intelligent Function {eds. Amit D, Parisi G).

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<LI><A NAME=7></A><B>Drugs Against Crinne?</B>,Am. J. Psychiatry

<P><I>Abstract: OBJECTIVE: The authors examined the relationship between treatment with clozapine and rates of arrest of psychotic outpatients with criminal histories. METHOD:Patients who had been given a DSM-IV psychotic diagnosis were selected from an urban outpatient clinic database. Background checks performed on 360 patients identified 165 {45.8%} with positive criminal histories

in Massachusetts. The authors reviewed the charts of these patients to determine several variables,including whether and when they had received clozapine.A Poisson regression model was used to regress arrest rates against the variables of age, sex,

onset of illness,birth cohort,and clozapine treatment. Risk ratios (i.e., percent change in arrest rates) were then calculated by computing the exponential of the Poisson regression coefficients. RESULTS:The 165 patients included in the analysis had a totalof 1,126 arrests. The mean number of arrests was 6.8. Differences were found between the 65 patients who received clozapine and the 100 patients who did not in number of arrests, sex,and onset of illness. The regression revealed significantly higher arrest rate estimates associated with more recent birth cohort (4.8% } and with onset of illness (64.6%) and lower arrest

rate estimates associated with higher levels of education (11.6%),

receiving clozapine (32.6% }, and receiving clozapine during

specific periods of time (68.9%). CONCLUSIONS: Clozapine's effect on arrest rates in this group of patients is large enough to

warrant further investigation. The data indicate that clozapine may reduce recidivism in subjects with criminal histories who are in need of antipsychotic medication.</1></P>

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<LI><A HREF="http://ajp.psychiatryonline.org/cgi/content/abstract/158/2/270" TARGET=new><FONT SIZE="- 1"><B>Cfzapine-Associated

Reduction In Arrest Rates Of Psychotic Patients With Criminal Histories</B></FONT></A><FONT SIZE="- 1">, W. Gordon Frankie,David Shera, Herbert

Berger-Hershkowitz, A. Eden, Evins,Christine Connolly,Donald C. Goff, and David C. Henderson,Am. J. Psychiatry 2001February 1;158( 2): p.

270-274</FONT></LI>

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<LI><A NAME=8></A><B>Simulation Sizes Up Web Structure</8>,TRN News

<P><I>Excerpt: With every hyperlink added to a Web page the shape of the World Wide Web changes, but the problem of determining that shape is trickier than just estimating the number of links and

mapping where they go. </I></P>

<P><I>Large, complex, evolving networks have proven difficult to model statistically, and the Web is a particularly challenging

case. </I></P>

<P><I>A model and simulation that looks at how frequently links

are updated and at the relationship between outgoing and incoming links promises to give a clearer picture of the Web's underlying structure. </I></P>

<P><I>The model, developed by Slovenian researcher Bosiljka Tadic, suggests that the shape of the Web is largely determined by how and how often Web pages are updated, which in turn is determined by the biases and policies of the people who update the pages. The research also showed that the underlying structure of the Web is still maturing.</I></P>

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<LI><A HREF="http://www.trnmag.com/Stories/011701/Simulation\_sizes\_up\_Web\_structure\_011701.html" TARGET=new><FONT SIZE="-1"><B>Simulation

Sizes Up Web

Structure</B></FONT></A><FONT SIZE="-1"><B>,</B>Ted

Smalley Bowen,TRN News,01/01/17</FONT></LI>

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<LI><A NAME=9></A><B>Measuring IT Value Learning Center,

</B>DarwinMag

<P><I>Excerpts:&nbsp;Measuring the value of IT investments was a lot easier when the use of computers could be directly tied to

cost savings. For example, by automating bookkeeping, a computer could eliminate eight bookkeepers from the payrolls. Today, establishing value for IT is less straightforward, simply because computing technology is everywhere. IT is no longer expected to trim costs; it's now expected to enhance revenues and profitability.</1></P>

<P><I>Why is measuring the value of IT so hard?</1></P>

<P><I>As IT has permeated organizations, measuring its direct contribution to the bottom line has become more difficult. This is because cost savings--primarily in the form of headcount reduction and productivity improvements--were gains that were achieved early on in a system's lifecycle. It's fairly ea sy to calculate the value of eliminating salaried positions, but how to determine

value from an ability to close the books faster with fewer errors? Similarly soggy ground surrounds systems that are designed to help customer retention, improve product development,enhance knowledge sharing and speed time-to-market.&#133;</1></P>

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<LI><A HREF="http://www.darwinmag.com/learn/metrics/index.htmI" TARGET=new><FONT SIZE="-1"><B>Measuring

IT Value Learning

Center

Santosus, Darwinmag.com,01/01/02

**New Gnutella: Why It'll Be The Music**

Industry's Next Worst Nightmare, ZDNet

Excerpts: Gnutella is that other music-swapping technology. The hard-to-use, also-ran to Napster. Well, now Coop says a new Windows client version called Bearshare has him singing a new song about Gnutella. And he'll tell you how, as a result,

the days of music swapping have hardly come to an end.

Unlike Napster, Gnutella, which was born last March, was not an address or a company. You couldn't serve it with legal papers or picket outside its office. There was no there, there. In

this network of distributed intelligence, all you needed to do was connect with a host. At that point, you were off to the races, interacting with other nodes on the oh-so-decentralized Gnutella universe. It was just so god-awful clunky to use that you had to

be a real glutton for punishment to suffer through the

process.

**New**

Gnutella: Why It'll Be The Music Industry's Next Worst

Nightmare,

Charles Cooper, ZDNet AnchorDesk,

01/02/01

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<li><A NAME=ll></A><B>Biologists Propose New Grouping for Mammals,</B> U. Cincinnati/Science Daily News

<P><I>Excerpt:&nbsp; What's missing might turn out to be as important as what's actually there in uncovering the roots of the mammalian tree of life. </I></P>

<P><I>A team of biologists led by Mark Springer at the University of California, Riverside and including Ronald DeBry of the University of Cincinnati report in the Feb. 1 issue of Nature that

an intensive analysis of DNA sequences provides strong support for a grouping Springer dubs "Afrotheria." The group includes a

variety of placental mammals from elephants to elephant shrews.

And add in aardvarks, manatees, and hyraxes to boot. </I></P>

<P><I>"One of the problems with mammal phylogenies is there hasn't been a lot known," explained DeBry. "We were searching for the

basic outline of the tree of life." </I></P>

<P><I>Traditional phylogenies, or evolutionary trees, were based on fossil evidence and physical similarities. To complicate things further, there was a huge explosion of mammalian groups right after dinosaurs went extinct. </I></P>

<P><I>"Finding the base of the tree has been difficult," said

DeBry. "There are lots and lots of questions." </I></P>

<P><I>Over the last 10 years,DNA studies have confirmed some patterns proposed by those studying fossil evidence and physical similarities.Other DNA studies turned up new and unexpected relationships. The picture quickly got muddier and muddier.

</I></P>

<P><I>"What we needed was a BIG data set," said DeBry. "Our data set has six different genes and 8600 base pairs." Two of the genes are found in mitochondrial DNA. The other four are found in the chromosomes of the nucleus,including BRCA-1, commonly known as the breast cancer gene.</I></P>

<P><I>Springer, DeBry and the other co-authors report that a

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Nature Contents 4 April 2002 Volume 416 No.6880 pp. 461- 566

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The April issue of Nature Reviews Genetics features a special print and web focus on the Evolution of Sex.

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Evolutionary biologists have proposed many theories to explain the widespread occurrence of sexual reproduction and the associated process of genetic recombination. This collection of articles, by leading researchers in the field, illustrates the current status of these theories and delves into the genetic and behavioural consequences of different sexual strategies.

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review article

An extensive network of coupling among gene expression machines TOM MANIATIS AND ROBIN REED

[http://www.nature.com/nlink/v416/n6880/abs/416499a\\_fs.html](http://www.nature.com/nlink/v416/n6880/abs/416499a_fs.html)

article

Inherent toxicity of aggregates implies a common mechanism for protein misfolding diseases MONICA BUCCIANTINI, ELISA GIANNONI, FABRIZIO CHITI, FABIANA BARONI, LUCIA FORMIGLI, JESS ZURDO, NICCOL TADDEI, GIAMPIETRO RAMPONI, CHRISTOPHER M. DOBSON & MASSIMO STEFANI [http://www.nature.com/nlink/v416/n6880/abs/416507a\\_fs.html](http://www.nature.com/nlink/v416/n6880/abs/416507a_fs.html)

letters to Nature

The signature of supernova ejecta in the X-ray afterglow of the gamma-ray burst 011211JN REEVES, D WATSON, JP OSBORNE, KA POUNDS, PT O'BRIEN, ADT SHORT, MJL TURNER, MG WATSON, KO MASON, MEHLE & N SCHARTEL [http://www.nature.com/nlink/v416/n6880/abs/416512a\\_fs.html](http://www.nature.com/nlink/v416/n6880/abs/416512a_fs.html)

Bunching of fractionally charged quasiparticles tunnelling through high-potential barriers E COMFORTI, YC CHUNG, M HEIBLUM, V UMANSKY & D MAHALU [http://www.nature.com/nlink/v416/n6880/abs/416515a\\_fs.html](http://www.nature.com/nlink/v416/n6880/abs/416515a_fs.html)

Atomic-scale images of charge ordering in a mixed-valence manganite C RENNER, G AEPPLI, BG KIM, YA SOH & SW CHEONG [http://www.nature.com/nlink/v416/n6880/abs/416518a\\_fs.html](http://www.nature.com/nlink/v416/n6880/abs/416518a_fs.html)

Abiogenic formation of alkanes in the Earth's crust as a minor source for global hydrocarbon reservoirs B SHERWOOD LOLLAR, TD WESTGATE, JA WARD, GF SLATER & G LACRAMPE-COULOUME [http://www.nature.com/nlink/v416/n6880/abs/416522a\\_fs.html](http://www.nature.com/nlink/v416/n6880/abs/416522a_fs.html)

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Fin development in a cartilaginous fish and the origin of vertebrate limbs M TANAKA, A MNSTER BERG, WG ANDERSON, AR PRESCOTT, N HAZON & C TICKLE [http://www.nature.com/nlink/v416/n6880/abs/416527a\\_fs.html](http://www.nature.com/nlink/v416/n6880/abs/416527a_fs.html)

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Naturally secreted oligomers of amyloid beta protein potently inhibit hippocampal long-term potentiation in vivo OM WALSH, I KLYUBIN, JV FADEEVA, WK CULLEN, R ANWYL, MS WOLFE, MJ ROWAN & OJ SELKOE [http://www.nature.com/nlink/v416/n6880/abs/416535a\\_fs.html](http://www.nature.com/nlink/v416/n6880/abs/416535a_fs.html)

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Bone marrow cells adopt the phenotype of other cells by spontaneous cell fusion NAOHIRO TERADA, TAKASHI HAMAZAKI, MASAHIRO OKA, MASANORI HOKI, DIANA M. MASTALERZ, YUKA NAKANO, EDWIN M. MEYER, LAURENCE MOREL, BRYON E. PETERSEN & EDWARD W. SCOTT [http://www.nature.com/nlink/v416/n6880/abs/nature730\\_fs.html](http://www.nature.com/nlink/v416/n6880/abs/nature730_fs.html)

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Have you seen Ron Howard's latest film, "A Beautiful Mind?" The incredible life story of Nobel prize-winning mathematician John Nash makes for great film, but perhaps even better is the new Nash biography of the same name, written by Sylvia Nasar. (Also

recommended: "The Essential John Nash.") You might also enjoy a trio of books on vastly different subjects: "Plate Tectonics," Edward Wilson's important "The Future of Life," and "The Quantum and the Lotus," an exploration into Buddhism and modern science that's sure to spark some deep thoughts. Also in this delivers: your favorite magazine subscriptions, new and used textbooks, and more!

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"A Beautiful Mind: The Life of Mathematical Genius and Nobel Laureate John Nash" Sylvia Nasar

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In "A Beautiful Mind," economist and journalist Sylvia Nasar has written a biography of John Nash that looks at all sides of his life. She gives an intelligent, understandable exposition of his mathematical ideas and a picture of schizophrenia that is evocative but decidedly unromantic. Her story of the machinations behind Nash's Nobel is fascinating and one of very few such accounts available in print (the CIA could learn a thing or two from the

Nobel committees). This highly recommended book is indeed "a story about the mystery of the human mind, in three acts: genius, madness, reawakening."

More to explore: "The Essential John Nash"

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Widely dismissed as crank science in earlier generations, the theory of plate tectonics—which explains the movement of continents in geological time, as well as the formation of the earth's major features—is now largely accepted as fact within the scientific community. Drawing on the memories of leading theoreticians in the field, scientist and historian Naomi Oreskes offers "Plate Tectonics," a vivid history of just how that transformation occurred. Oreskes describes the early quest on the part of James Dana, Alfred Wegener, J. H. Hodgson, and other scientists to account for the mechanics

of earthquakes and certain puzzling features of geomorphology, a quest widened and strengthened by the work of

deep-ocean explorers who were able, beginning in the 1960s, to study tectonics at work far below the surface of the world's waters.

"The Future of Life" Edward Osborne Wilson

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In "The Future of Life," eminent Harvard naturalist and Pulitzer Prize winner Edward Wilson marshals all the prodigious powers of his intellect and imagination in this impassioned call to ensure the future of life as we know it. Opening with an imagined conversation with Henry David Thoreau at Walden Pond, Wilson writes that he has come "to explain to you, and in reality to others and not least to myself, what has happened to the world we both have loved."

"The Quantum and the Lotus: A Journey to the Frontiers Where Science and Buddhism Meet" Matthieu Ricard

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How did the universe come into being? What is the meaning of human life against the blackness of infinity? Religion and science have many answers to these and like questions, answers that sometimes meet but more often diverge. In "The Quantum and the Lotus," French Buddhist monk Ricard and Vietnamese-born astrophysicist Trinh explore how

Buddhism and modern science address life's big questions. Among the matters they touch on, sometimes fleetingly and sometimes in depth, are the illusory nature of phenomena, the guiding intelligence of nature, and the search for the mechanisms that drive planets and humans alike. Both authors, each conversant in the other's medium, argue against reductionist views of nature.

And both provide plenty of data in support of Albert Einstein's declaration that "if there is any religion that could correspond to the needs of modern science, it would be Buddhism."

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If you're of a certain age, you likely went through a dinosaur phase as a kid, perhaps even dreaming of turning up the bones of stegosauruses, tyrannosauruses, and other famed creatures of the Age of Reptiles. In this affectionate memoir of "a life in the field,"

paleontologist Michael Novacek writes of his early years entertaining such dreams and of his ongoing education in the ways of the "terrible lizards." Now curator of paleontology at the American Museum of Natural History, Novacek has traveled the world on the trail of fossils and ancient bones, collecting thousands on thousands of specimens. Armchair travelers and paleontologists in training, to say nothing of readers going through a dinosaur phase of their own, will take much pleasure in Novacek's journeys into his--and the planet's--past. Available in February.

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#### articles

Guard cell abscisic acid signalling and engineering drought hardiness in plants J ISCHROEDER, J M KWAK & G J ALLEN

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Structure of the bacterial flagellar protofilament and implications for a switch for supercoiling FA SAMATEY, K IMADA, S NAGASHIMA, F VONDERVISZT, T KUMASAKA, M YAMAMOTO & K NAMBA

[http://www.nature.com/nlink/v410/n6826/abs/410331a0\\_fs.html](http://www.nature.com/nlink/v410/n6826/abs/410331a0_fs.html)

#### letters to Nature

Discovery of radio emission from the brown dwarf LP944-20 E BERGER, S BALL, K M BECKER, M CLARKE, D A FRAIL, T A FUKUDA, I M HOFFMAN, R MELLON, E MOMJIAN, N W MURPHY, S H TENG, T WOODRUFF, B A ZAUDERER & R T ZAVALA

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Strong coupling between local moments and superconducting 'heavy' electrons in UPd<sub>2</sub>Al<sub>3</sub>

N K SATO, N ASO, K MIYAKE, R SHJINA, P THALMEIER, G VARELOGIANNIS, C GEIBEL, F STEGLICH, P FULDE & T KOMATSUBARA

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Electrical spin injection and accumulation at room temperature in an all-metal mesoscopic spin valve F J JEDEMA, AT FILIP & B J VAN WEES [http://www.nature.com/nlink/v410/n6826/abs/410345aO\\_fs.html](http://www.nature.com/nlink/v410/n6826/abs/410345aO_fs.html)

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Evolution of leaf-form in land plants linked to atmospheric CO<sub>2</sub> decline in the Late Palaeozoic era D J BEERLING, C P OSBORNE & W G CHALONER  
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[http://www.nature.com/nlink/v410/n6826/abs/410357a0\\_f.sh\\_tml](http://www.nature.com/nlink/v410/n6826/abs/410357a0_f.sh_tml)

Mesoscale vertical motion and the size structure of phytoplankton in the ocean J RODRIGUEZ, J TINTOR, J T ALLEN, J M BLANCO, D GOMIS, A REUL, J RUIZ, V RODRIGUEZ, F ECHEVARRA & F JIMNEZ-GMEZ  
[http://www.nature.com/nlink/v410/n6826/abs/410360aO\\_fs.html](http://www.nature.com/nlink/v410/n6826/abs/410360aO_fs.html)

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M O HOTIIGER [http://www.nature.com/nlink/v410/n6826/abs/410387aO\\_fs.html](http://www.nature.com/nlink/v410/n6826/abs/410387aO_fs.html)

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nature science update

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http://www.phil.pku.edu.cn/resguide/comdig/</FONT></A><FONT SIZE="-1"> (Chinese GB-  
Code)</FONT></P>

<P><FONT SIZE="-1" COLOR="#D10150"><1>"I think the nex t century will be the century of complexity."  
Stephen

Hawking</1></FONT><FONT SIZE="-1" COLOR="#FF00FF"><I> </1></FONT></P>

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</B></A>Baycrest Cntr. f. Ger. Care/Science Daily

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<LI><A NAME=1></A><B>'Theory Of Mind' And Executive Functions,</B> Brain

<P><I>Abstract: There have been recent suggestions that the amygdala may be involved in the development or mediation of

'theory of mind'. We report a patient B.M., with early or congenital left amygdala damage who, by adulthood, had received the psychiatric diagnoses of schizophrenia and Asperger's syndrome. We conducted a series of experimental investigations to determine B.M.'s cognitive functioning. In line with his

diagnoses, B.M. was found to be severely impaired in his ability

to represent mental states. Following this, we conducted a second series of studies to determine S.M.'s executive functioning. In

the literature, there have been frequent claims that theory of

mind is mediated by general executive functioning. B.M. showed no indication of executive function impairment, passing 16 tests assessing his ability to inhibit dominant responses, create and maintain goal-related behaviours, and temporally sequence behaviour. The findings are discussed with reference to models regarding the role of the amygdala in the development of theory of mind and the degree of dissociation between theory of mind and executive functioning. We conclude that theory of mind is not simply a function of more general executive functions, and that executive functions can develop and function on-line, independently of theory of mind. Moreover, we conclude that the amygdala may play some role in the development of the circuitry mediating theory of mind.</1></P>

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<LI><A HREF="http://brain.oupjournals.org/cgi/content/abstract/124/2/287" TARGET=new><FONT SIZE="-1"><B>Dissociation

Between 'Theory Of Mind' And Executive Functions In A Patient With Early left Amygdala Damage</B></FONT></A><FONT SIZE="-1">,C. Fine,J. Lumsden, and R. J. R. Blair, Brain 2001February 1; 124(2): p. 287-298</FONT></LI>

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<LI><A NAME=2></A><B>"Essence" Of Human Nature In Frontal Lobe?,  
</B>Baycrest Cntr. f. Ger. Care/Science Daily

<P><I>Excerpt:&nbsp;A new study has found the strongest evidence yet that what sets humans apart from other primates may be found in the brain's frontal lobes, particularly in an area the size of a "billiard ball" called the right prefrontal cortex.

{&#133;}</1></P>

<P><I>Understanding the mental processes of others -- mentalizing

- is the basis of our socialization and what makes us human. It gives rise to our capacity to feel empathy,sympathy, understand humor and when others are being ironic, sarcastic or even deceptive. It's a "theory of mind" that has been associated with the frontal lobes, but until now scientists have had difficulty demonstrating this ability to specific regions of the brain.

</1></P>

<P><I>What is exciting about this study,according to Dr. Timothy Shallice of the Institute of Cognitive Neuroscience at University College London,is that the Rotman study came at this challenge with two different testing methods and both generated similar compelling evidence to show that these higher cognitive functions in humans are "localizable" to a specific region within the frontallobes. Dr. Shallice wrote the lead editorial in BRAIN.

</1></P>

Dr. Stuss and his research colleagues tested patients who had damage to various parts of the frontal lobes, and other areas of the brain as well. The selective impairment in only some patients provided the ability to precisely localize those regions that are necessary when specific mentalizing tasks are performed. Co-authors on the paper with Dr. Stuss, who is director of The Rotman Research Institute at Baycrest, were Dr. Gordon Gallup, Department of Psychology, State University of New York at Albany; and Dr. Michael Alexander, Memory Disorders Research Centre at Boston University and Department of Neurology, Harvard University.

"In our study, we've shown that the frontal lobes were the most critical region for visual perspective taking, and the

inferior medial prefrontal region, particularly for the right, for detecting deception," says Dr. Stuss. Visual perspective taking is the ability to empathize or identify with the experience of another person.

It has long been known that some patients with frontal lobe damage have significantly changed personalities. What is important about the study is that it helps families, friends and caregivers

of the patient to appreciate and understand a very important reason why this occurs. This deficit in mentalizing can affect social cognition which is important in everyday human

interactions. For example, patients with damage in the specific frontal area are often less empathetic and sympathetic, and they miss social cues which lead to inappropriate judgements.

In the study, 32 adults with lesions in frontal and

non-frontal brain regions, most commonly as a result of stroke,

and a control group of 14 healthy adults, underwent two seemingly very simple tests. Both tasks required participants to guess which coffee cup a ball was hidden under. Participants sat across a

table from the experimenter and a table curtain was used on some occasions to conceal which cup the experimenter hid the ball under. The participant was asked to point to the correct cup.

<http://www.sciencedaily.com/releases/2001/02/010201070128.htm>  
Study

Pinpoints Region In Frontal Lobes As "Essence" Of What

Makes Us Human,

</FONT><A HREF="http://www.baycrest.org/" TARGET=new><FONT SIZE="-1">Baycrest  
Center For Geriatric Care</FONT></A><FONT SIZE="-1">, Science Daily,01/02/02</FONT></LI>  
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<LI><A NAME="2.1"></A><B>The Frontal Lobes Are Necessary For  
'Theory Of Mind', </B> Brain

<P><I>Abstract: Patients with limited focal frontal and nonfrontal lesions were tested for visual perspective taking and detecting deception. Frontal lobe lesions impaired the ability to infer mental states in others, with dissociation of performance within the frontal lobes. Lesions throughout the frontal lobe, with some suggestion of a more important role for the right frontal lobe, were associated with impaired visual perspective taking. Medial frontal lesions, particularly right ventral, impaired detection of deception. The former may require cognitive processes of the lateral and superior medial frontal regions, the latter affective connections of the ventral medial frontal with amygdala and other limbic regions.</I></P>

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<LI><A HREF="http://brain.oupjournals.org/cgi/content/abstract/124/2/279" TARGET=new><FONT SIZE="-1"><B>The Frontal Lobes Are Necessary For 'Theory Of Mind'</B></FONT></A><FONT SIZE="-1"><B>, </B> Donald T. Stuss, Gordon G. Gallup, Jr, and Michael P. Alexander, Brain 2001 February 1; 124(2): p. 279-286</FONT></LI>

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<LI><A NAME=3></A><B>Time Scales In Motor Learning And Development,</B> Psychological Review

*Abstract:* A theoretical framework based on the concepts and tools of nonlinear dynamical systems is advanced to account for both the persistent and transitory changes traditionally shown for the learning and development of motor skills. The multiple time scales of change in task outcome over time are interpreted as originating from the system's trajectory on an evolving attractor landscape. Different bifurcations between attractor organizations and transient phenomena can lead to exponential, power law, or

S-shaped learning curves. This unified dynamical account of the

functions and time scales in motor learning and development offers several new hypotheses for future research on the nature of change

in learning theory. Reprint requests can be sent to <mailto:gxm21@psu.edu> *Gottfried Mayer-Kress*

**Time**

<http://www.apa.org/journals/rev/101ab.html#3> TARGET=new

Scales In Motor Learning And

Development

Karl M. Newell, Yeou-Teh Liu, Gottfried

Mayer-Kress, Psychological Review, 2001, Vol. 108, No.

1,57-82

**Find That Tune**, Nature

*Excerpts:* Thomas Münte of the University of Magdeburg, Germany, and colleagues compared conductors' sonic accuracy with that of classical pianists and non-musicians, all of whom had on

average more than 15 years of professional experience. Münte's team found that conductors can focus their hearing more sharply even than other professional musicians.

(&tf133;)

*M&uuml;n*'s team sat subjects before an array of six speakers, three in front of the subject, and three off to one side. Through these were played bursts of pink noise(¶).

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<LI><A HREF="http://www.nature.com/nsu/010201/010201-9.html" TARGET=new><FONT SIZE="-1"><B>Brain: Find That Tune</B></FONT></A><FONT SIZE="-1"><B>,</B>

</B>John Whitfield,Nature Science Update,</B>

01/02/01</FONT></LI>

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<LI><A NAME="4.1"></A><B>Superior Auditory Spatial Tuning In</B>

Conductors,</B>Nature

*Excerpts: Seven classical-music conductors (mean age, 45 yr; mean conducting experience, 19 yr; minimum, 6 yr), seven pianists (mean age, 43 yr; mean professional playing experience, 16 yr; minimum, 7 yr) and seven non-musicians (mean age, 43 yr) were tested in a paradigm used originally to demonstrate superior sound localization in congenitally blind*

subjects(¶).</I></P>

*From magnetoencephalographic recordings, the attention effect is known to arise in the secondary auditory cortex, an*

area also implicated from functional imaging.</I></P>

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<LI><A HREF="http://www.nature.com/cgi-

ta f/DynaPage.taf?file=/nature/journal/v409/n6820/full/409580a0\_fs.htmI" TARGET=new><FONT SIZE="-1"><B>Superior

Auditory Spatial Tuning In

Conductors</B></FONT></A><FONT SIZE="-1"><B>,</B>

</B>M&uuml;nster, T. F., Kohlmetz, C., Nager, W. & Altenm&uuml;ller, E. Nature 409, 580 (2001).</FONT></LI>

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<LI><A NAME="S"></A><B>Astounding Bat Mobility,</B> Nature Science

Update

<P><I>Excerpt: They displayed some of their most adroit manoeuvring in dramatic 'dogfights', in which one bat pursued another. "The scope of echo processing needed to guide bats through these high-speed aerial dogfights &H33; is a positive embarrassment for most current thinking about auditory coding of echoes," say the researchers.</I></P>

<P><I>An understanding of how bats perform these feats could produce technological spin-offs for sonar navigation and detection equipment, Simmons' group suggests. Already bats' broad-band (many-frequency) sonar system is emulated in mine-sweeping technology.</I></P>

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<LI><A HREF="http://www.nature.com/nsu/010208/010208-1.html" TARGET=new><FONT SIZE="-1"><B>Astounding

Bat Mobility</B></FONT></A><FONT SIZE="-1"><B>,</B>

</B>Philip Ball, Nature Science Update,

01/02/02</FONT></LI>

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<LI><A NAME="#5.1"></A><B>Versatility Of Biosonar In The Big

**Abstract:** Infrared cameras and ultrasonic microphones were used to record big brown bats (*Eptesicus fuscus*) flying in natural conditions at night while they hunted for insects. As expected, bats avoided obstacles while flying through vegetation and intercepted flying prey in the open. But bats also appeared to capture insects near and possibly on the

ground and near or in vegetation, flew low over water to drink,

and pursued each other in aerial "dogfights." In less than a minute, the same bat often used echolocation for several different tasks, showing a wider repertoire of sonar-guided behavior than revealed by previous observations limited to seeing bats flying against the evening sky or being photographed in fixed fields-of-view.

<B>Versatility

<LI><A

href="http://ojps.aip.org/journal\_cgi/getabs?KEY=ARLOFJ&cvips=ARLOFJ000002000001000043000001&gifs=Yes" TARGET=new" <FONT SIZE="-1"><B>Versatility

Of Biosonar In The Big Brown Bat, *Eptesicus fuscus*,

Simmons, J. A., Eastman, K. M., Horowitz, S.

S., O'Farrell, M. J. & Lee, D. N., Acoustics Research Letters Online 2(1), 43-48 (2001).

</UL>

</B>Sniffing Out Odors With Multiple

<LI><A NAME=6><B>Sniffing Out Odors With Multiple

Dendrites, Science

The sense of smell is one of our most fundamental senses. The representation of an odor is a fundamental challenge to understanding how our brain works. Early work on rabbits by

Walter Freeman who observed spatio-temporal pattern dynamics representing odors in the olfactory bulb could be confirmed and generalized for zebra fish brains:

Odor representations in the olfactory bulb are not stationary but change while the stimulus is present. Friedrich and



Laurent (p. <http://www.sciencemag.org/cgi/content/short/291/5505/889>)

; see the Perspective by <http://www.sciencemag.org/cgi/content/short/291/5505/835> Yoshihara

et al.) recorded from mitral cells in the olfactory

bulb of the zebra fish. Responses of these neurons to odors became progressively transformed during the time course of stimulus presentation. This transformation was not due to sharpening of individual mitral-cell tuning profiles. Instead, odor

representation appeared to become more evenly distributed at later times during stimulation. Temporal patterning reduced the

similarity between ensemble activities and made each odor

representation more specific over time. These data provide an important step in our understanding of how olfaction differs from other sensory modalities.

Excerpt: A sense of smell (olfaction) is an essential

feature of most animal species, from insects and fish to mammals.

An enormous number of odorant molecules are recognized by odorant receptors expressed on the surface of sensory neurons in the

olfactory epithelium (1). Each neuron carries only one type of odorant receptor, and this receptor is activated by a range of odorants with similar structures. The axons of olfactory neurons send odor information encoded as electrical impulses to the olfactory bulb.

<B>Sniffing

Out Odors With Multiple Dendrites

Yoshihara, Yoshihiro, Nagao, Hiroshi, Mori, Kensaku, Science 2001291: 835-837

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[6.1](#) **Dynamic Optimization Of Odor Representations By Slow Temporal Patterning Of Mitral Cell Activity**, Science

**Abstract:** Mitral cells (MCs) in the olfactory bulb (OB) respond to odors with slow temporal firing patterns. The representation of each odor by activity patterns across the MC population thus changes continuously throughout a stimulus, in an odor-specific manner. In the zebrafish OB, we found that

this distributed temporal patterning progressively reduced the

similarity between ensemble representations of related odors, thereby making each odor's representation more specific over

time. The tuning of individual MCs was not sharpened during this process. (133)

**Dynamic Optimization Of Odor Representations By Slow Temporal Patterning Of Mitral Cell Activity**

<http://www.sciencemag.org/cgi/content/short/291/5505/889> TARGET=new

**Dynamic**

**Optimization Of Odor Representations By Slow Temporal**

**Patterning Of Mitral Cell**

**Activity**, Rainer W. Friedrich and Gilles Laurent, Science 2001291:

889-894

[6.2](#) **Odorant Detection And Classification,**

**Brain Components as Elements of Intelligent Function**

**Excerpt:** Spatial pattern formation is the primary task of the olfactory receptor layer, and pattern classification and interpretation are the primary tasks of the central olfactory system. The parallel distributed nonlinear feedback model that is described here, operating in the chaotic domain, has been shown to perform pattern classification of industrial data (Davis and Eichenbaum 1991; Yao, et al. 1991). It can learn a new class of inputs in one or a few trials lasting 200 msec of

simulated time, and it is virtually immune to background noise. The most useful application for this biologically inspired

system may be to provide an interface between the real world and finite state automata, in the way that the sensory cortices interface between the environment and the limbic system.

<BLOCKQUOTE><BLOCKQUOTE><UL>

<LI><A HREF="http://sulcus.berkeley.edu/wjf/AA.Review.of.olfaction.pdf" TARGET=new><FONT SIZE="-1"><B>Oifactory

System:Odorant Detection And Classification,Brain Components as Elements of Intelligent Function</B></FONT></A><FONT SIZE="-1">,Walter J Freeman,Chapter in Vol. Ill, Part 2: Building Blocks for Intelligent Systems: Brain Components as Elements of Intelligent Function {eds. Amit D, Parisi G).

</FONT></LI>

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<LI><A NAME=7></A><B>Drugs Against Crinne?</B>,Am. J. Psychiatry

<P><I>Abstract: OBJECTIVE: The authors examined the relationship between treatment with clozapine and rates of arrest of psychotic outpatients with criminal histories. METHOD:Patients who had been given a DSM-IV psychotic diagnosis were selected from an urban outpatient clinic database. Background checks performed on 360 patients identified 165 {45.8%} with positive criminal histories

in Massachusetts. The authors reviewed the charts of these patients to determine several variables,including whether and when they had received clozapine.A Poisson regression model was used to regress arrest rates against the variables of age, sex,

onset of illness,birth cohort,and clozapine treatment. Risk ratios (i.e., percent change in arrest rates) were then calculated by computing the exponential of the Poisson regression coefficients. RESULTS:The 165 patients included in the analysis had a totalof 1,126 arrests. The mean number of arrests was 6.8. Differences were found between the 65 patients who received clozapine and the 100 patients who did not in number of arrests, sex,and onset of illness. The regression revealed significantly higher arrest rate estimates associated with more recent birth cohort (4.8% } and with onset of illness (64.6%) and lower arrest

rate estimates associated with higher levels of education (11.6%),

receiving clozapine (32.6% }, and receiving clozapine during

specific periods of time (68.9%). CONCLUSIONS: Clozapine's effect on arrest rates in this group of patients is large enough to

warrant further investigation. The data indicate that clozapine may reduce recidivism in subjects with criminal histories who are in need of antipsychotic medication.</1></P>

<BLOCKQUOTE><BLOCKQUOTE><BLOCKQUOTE><UL>

<LI><A HREF="http://ajp.psychiatryonline.org/cgi/content/abstract/158/2/270" TARGET=new><FONT SIZE="- 1"><B>Cfzapine-Associated

Reduction In Arrest Rates Of Psychotic Patients With Criminal Histories</B></FONT></A><FONT SIZE="- 1">, W. Gordon Frankie,David Shera, Herbert

Berger-Hershkowitz, A. Eden, Evins,Christine Connolly,Donald C. Goff, and David C. Henderson,Am. J. Psychiatry 2001February 1;158( 2): p.

270-274</FONT></LI>

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<LI><A NAME=8></A><B>Simulation Sizes Up Web Structure</8>,TRN News

<P><I>Excerpt: With every hyperlink added to a Web page the shape of the World Wide Web changes, but the problem of determining that shape is trickier than just estimating the number of links and

mapping where they go. </I></P>

<P><I>Large, complex, evolving networks have proven difficult to model statistically, and the Web is a particularly challenging

case. </I></P>

<P><I>A model and simulation that looks at how frequently links

are updated and at the relationship between outgoing and incoming links promises to give a clearer picture of the Web's underlying structure. </I></P>

<P><I>The model, developed by Slovenian researcher Bosiljka Tadic, suggests that the shape of the Web is largely determined by how and how often Web pages are updated, which in turn is determined by the biases and policies of the people who update the pages. The research also showed that the underlying structure of the Web is still maturing.</I></P>

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<LI><A HREF="http://www.trnmag.com/Stories/011701/Simulation\_sizes\_up\_Web\_structure\_011701.html" TARGET=new><FONT SIZE="-1"><B>Simulation

Sizes Up Web

Structure</B></FONT></A><FONT SIZE="-1"><B>,</B>Ted

Smalley Bowen,TRN News,01/01/17</FONT></LI>

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<LI><A NAME=9></A><B>Measuring IT Value Learning Center,

</B>DarwinMag

<P><I>Excerpts:&nbsp;Measuring the value of IT investments was a lot easier when the use of computers could be directly tied to

cost savings. For example, by automating bookkeeping, a computer could eliminate eight bookkeepers from the payrolls. Today, establishing value for IT is less straightforward, simply because computing technology is everywhere. IT is no longer expected to trim costs; it's now expected to enhance revenues and profitability.</1></P>

<P><I>Why is measuring the value of IT so hard?</1></P>

<P><I>As IT has permeated organizations, measuring its direct contribution to the bottom line has become more difficult. This is because cost savings--primarily in the form of headcount reduction and productivity improvements--were gains that were achieved early on in a system's lifecycle. It's fairly ea sy to calculate the value of eliminating salaried positions, but how to determine

value from an ability to close the books faster with fewer errors? Similarly soggy ground surrounds systems that are designed to help customer retention, improve product development,enhance knowledge sharing and speed time-to-market.&#133;</1></P>

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<LI><A HREF="http://www.darwinmag.com/learn/metrics/index.htmI" TARGET=new><FONT SIZE="-1"><B>Measuring

IT Value Learning

Center

Santosus, Darwinmag.com,01/01/02

**New Gnutella: Why It'll Be The Music**

Industry's Next Worst Nightmare, ZDNet

Excerpts: Gnutella is that other music-swapping technology. The hard-to-use, also-ran to Napster. Well, now Coop says a new Windows client version called Bearshare has him singing a new song about Gnutella. And he'll tell you how, as a result,

the days of music swapping have hardly come to an end.

Unlike Napster, Gnutella, which was born last March, was not an address or a company. You couldn't serve it with legal papers or picket outside its office. There was no there, there. In

this network of distributed intelligence, all you needed to do was connect with a host. At that point, you were off to the races, interacting with other nodes on the oh-so-decentralized Gnutella universe. It was just so god-awful clunky to use that you had to

be a real glutton for punishment to suffer through the

process.

**New**

**Gnutella: Why It'll Be The Music Industry's Next Worst**

**Nightmare**,

**Charles Cooper, ZDNet AnchorDesk,**

**01/02/01**

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<li><A NAME=ll></A><B>Biologists Propose New Grouping for Mammals,</B> U. Cincinnati/Science Daily News

<P><I>Excerpt:&nbsp; What's missing might turn out to be as important as what's actually there in uncovering the roots of the mammalian tree of life. </I></P>

<P><I>A team of biologists led by Mark Springer at the University of California, Riverside and including Ronald DeBry of the University of Cincinnati report in the Feb. 1 issue of Nature that

an intensive analysis of DNA sequences provides strong support for a grouping Springer dubs "Afrotheria." The group includes a

variety of placental mammals from elephants to elephant shrews.

And add in aardvarks, manatees, and hyraxes to boot. </I></P>

<P><I>"One of the problems with mammal phylogenies is there hasn't been a lot known," explained DeBry. "We were searching for the

basic outline of the tree of life." </I></P>

<P><I>Traditional phylogenies, or evolutionary trees, were based on fossil evidence and physical similarities. To complicate things further, there was a huge explosion of mammalian groups right after dinosaurs went extinct. </I></P>

<P><I>"Finding the base of the tree has been difficult," said

DeBry. "There are lots and lots of questions." </I></P>

<P><I>Over the last 10 years,DNA studies have confirmed some patterns proposed by those studying fossil evidence and physical similarities.Other DNA studies turned up new and unexpected relationships. The picture quickly got muddier and muddier.

</I></P>

<P><I>"What we needed was a BIG data set," said DeBry. "Our data set has six different genes and 8600 base pairs." Two of the genes are found in mitochondrial DNA. The other four are found in the chromosomes of the nucleus,including BRCA-1, commonly known as the breast cancer gene.</I></P>

<P><I>Springer, DeBry and the other co-authors report that a

specific deletion of nine base pairs in BRCA-1is shared by 12 groups of placental mammals. These are the groups Springer puts together in "Afrotheria." </I></P>

<P><I>In addition, the exhaustive comparison helps to answer a more recent question: How closely are rabbits and guinea pigs related to rodents? The results in Nature indicate those groups should remain together,in contrast to previously published molecular results. </I></P>

<P><I>"Our data show a clearer picture," said DeBry. "The rodents, including the guinea pig,belong together.And rabbits probably do go with rodents." </I></P>

<P><I>On the other hand,a group known as Archonta should be split apart according to Springer et al. "The molecular data are really convincing that this isn't a group," said DeBry. "Bats are somewhere completely different. They're closer to pigs and cows than rodents and primates.Micro- and mega-bats go together with hedgehogs." </I></P>

<P><I>If this is starting to sound a bit confusing, the biologists have a very simple explanation for the divergence and resulting evolutionary tree. The relationships which evolved closely parallel the movement of continentalland masses during geologic time. </I></P>

<P><I>That's why Springer named one group Afrotheria for its African origins and another Laurasia theria after the land mass which gave rise to North America,Europe and Asia.</I></P>

<P><I>"Our results give a really strong division right at the base

of the tree," noted DeBry. "Where did each group originate? One in the southern hemisphere and the other in the northern hemisphere. On the classic trees, the northern and southern groups are mixed



up." </1></P>

<P><I>Geological evidence supports the phylogenies as well. Mammals first appeared in the fossil record about the time continents were splitting apart. This would give the different groups separate evolutionary histories, which is documented in the DNA analyses. "The DNA sequences tell us a nice biogeographic story," said DeBry. "We're not the first to see these

relationships, but the evidence really hammers home the point that there is a group from Africa that is closely related." </1></P>

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<LI><A HREF="http://www.uc.edu/news/debry.htm" TARGET=new><FONT SIZE="-1"><B>Biologists

Propose New Grouping for Mammals: Key Deletion Offers

Evidence for

"Afrotheria" </B></FONT></A><FONT SIZE="-1"><B>, </B>U.

Cincinnati, </FONT><A HREF=""http://www.sciencedaily.com/releases/2001/02/010202073255.htm" TARGET="new"><FONT SIZE="-1">Science

Daily News </FONT></A><FONT SIZE="-1">,

01/02/02 </FONT></LI>

<LI><A HREF="http://www.nature.com/nlink/v409/n6820/abs/409610aO\_fs.html" TARGET=new><FONT SIZE="-

1"><B>Parallel

Adaptive Radiations In Two Major Clades Of Placental Mammals </B></FONT></A><FONT SIZE="-1"><8>, </B>O Madsen, M Scally, C J Douady, D J Kao, R W DeBry, R Adkins, H M Amrine, M J Stanhope, W W DeJong & M S Springer, Nature 409, 610 - 614 (2001) </FONT></LI>

<LI><A HREF="http://www.nature.com/nlink/v409/n6820/abs/409614aO\_fs.html" TARGET=new><FONT SIZE="-

1"><B>Molecular

Phylogenetics And The Origins Of Placental Mammals </B></FONT></A><FONT SIZE="-1"><8>, </B>W J Murphy, E Eizirik, W E Johnson, Y P Zhang, O A Ryder,

&S J O'brien, Nature 409, 614- 618 (2001}

</FONT></LI>

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<LI><A NAME=12></A><8>Is The Genome The Secular Equivalent Of The  
Soul?,</B> Science

<P><I>Excerpt: The notion that the genome contains the blueprint of human nature is akin to an important  
outlook within Western metaphysics that interprets all living organisms as having

"souls," which determine their characteristic traits. From this perspective, the human soul is viewed as  
encapsulating the human essence. This convergence of ideas is perhaps not so surprising. Max Delbrück,  
a 20th-century pioneer of molecular biology,

noted how the notion of a genetic program (borrowed by molecular biologists from the fledgling computer  
sciences) had an uncanny kinship with the Aristotelian concept of eidos, the organizing principle inherent in  
every living thing.</I></P>

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<LI><A HREF="http://www.sciencemag.org/cgi/content/full/291/5505/831" TARGET=new><FONT SIZE="-  
1"><B>Is

The Genome The Secular Equivalent Of The Soul?</B></FONT></A><FONT SIZE="-1"><8>,</B> Mauron,  
Alex, Science 2001;291: 831-832 </FONT></LI>

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<LI><A NAME=13></A><8>Scale Dependence In Plant Biodiversity,</8> Science

<P><I>The relation between species richness and area is an important component of ecological studies.  
Crawley and Harral

(<http://www.sciencemag.org/cgi/content/short/291/5505/864> TARGET=new)p.

864 provide detailed evidence that the relation varies with spatial scale, using data on plant species gathered at different spatial scales in Britain ranging from 0.01 square meter

to 1000 square kilometers. Slopes of the species-area relation (logarithm of species richness versus logarithm of area) were steepest at intermediate scales, where the matrix of habitats with distinct floras tends to maximize richness in any given area. The shallowest slopes were at the smallest spatial scales, where

individual plants would be expected to interact strongly with each other, and at the largest scales, where few new habitats are

added.

Excerpt: The relationship between the number of species and the area sampled is one of the oldest and best-documented patterns in community ecology. Several theoretical models and

field data from a wide range of plant and animal taxa suggest that the slope,  $z$ , of a graph of the logarithm of species richness

against the logarithm of area is roughly constant, with  $z \approx 0.25$ . We collected replicated and randomized plant data at 11 spatial

scales from 0.01 to 108 square meters in Great Britain which show that the slope of the log-log plot is not constant, but varies systematically with spatial scale, and from habitat to habitat at

the same spatial scale.

**Scale**

<http://www.sciencemag.org/cgi/content/short/291/5505/864> TARGET=new) **Scale**

**Dependence In Plant**

**Biodiversity**, **8**,

**Crawley, M. J ., Harral, J. E., Science 2001** 291:

**864-868**

**Links & Snippets**

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<LI><A NAME="l4.1"></A><B>SFI&nbsp;Working Papers</B>

<P>These references can be found in <A HREF="http://www.santafe.edu/sfi/publications/01wplist.html" TARGET=new>http://www.santafe.edu/sfi/publications/01wplist.html</A>:</P>

<UL>

<LI><FONT SIZE="-1">01-01-001<B>On the Evolution of Polygamy: A Theoretical Examination of the Polygamy Threshold Model </B>,Susan Ptak and Michael Lachmann</FONT></LI>

<LI><FONT SIZE="-1">01-01-002 <B>The Role of Begging and Sibling Competition in Foraging Strategies of Nestlings </B> Miguel A. Rodriguez-Girones,Magnus Enquist,and Michael

Lachmann</FONT></LI>

<LI><FONT SIZE="-1">01-01-003 <B>Social Capital and Community Governance </B>,Samuel Bowles and Herbert Gintis</FONT></LI>

<LI><FONT SIZE="-1">01-01-004 <B>Incentive-Enhancing Preferences: Personality,Behavior, and Earnings </B>, Samuel Bowles, Herbert Gintis,and Melissa Osborne</FONT></LI>

<LI><FONT SIZE="-1">01-01-005 <B>The Inheritance of Economic Status: Education,Class, and Genetics </B>,Samuel Bowles and Herbert Gintis</FONT></LI>

<LI><FONT SIZE="-1">01-01-006 <B>Landscapes on Spaces of Trees </B>, Oliver Bastert,Dan Rockmore, Peter F. Stadler, and Gottfried Tinhofer</FONT></LI>

<LI><FONT SIZE="-1">01-01-007 <B>Cooperation, Reciprocity and Punishment in Fifteen Small-scale Societies </B>,Joseph Henrich,Robert Boyd,Samuel Bowles,Colin Camerer, Ernst Fehr, Herbert Gintis,and Richard McEireath</FONT></LI>

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<LI><B><A NAME="14.2"></A>Announcements:</B>

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<LI><A HREF="http://www.santafe.edu/sfi/research/researchUpdate/workshops.html" TARGET=new><FONT SIZE="-1"><B>The

Evolution of Strong

Reciprocity</B></FONT></A><FONT SIZE="-1">, <B> </B>Sam

Bowles, Santa Fe Institute, Santa Fe, New Mexico,

01/03/9-11:</FONT></LI>

<LI><A HREF="http://www4.nationalacademies.org/nas/nashome.nsf/f45867247b806311852566f20016142d/4610603174b890c7852566f8007277bb?OpenDocument" TARGET=new><FONT SIZE="-1"><B>Self-Organized

Complexity in the Physical, Biological and Social

Sciences</B></FONT></A><FONT SIZE="-1"><8>, </B>Arthur M. Sackler Colloq. of the Natl. Acad. Sc., 01/03/23-24, Irvine, CA</FONT></LI>

<LI><FONT SIZE="-1">SFI&nbsp;Workshop on </FONT><A HREF="http://discuss.santafe.edu/internetcs/" TARGET=new><FONT SIZE="-1"><B>The

Internet as a Large-Scale Complex System"

</B></FONT></A><FONT SIZE="-1">chaired by Kihong Park

(Purdue University) and Walter Willinger {AT&T Labs-Research}, 01/03/29-31</FONT></LI>

<LI><FONT SIZE="-1">SFI Workshop on </FONT><A HREF="http://www.santafe.edu/sfi/research/researchUpdate/workshops.html" TARGET=new><FONT SIZE="-1"><B>Complexity

</B></FONT></A><FONT SIZE="-1"><B>Complexity

- Unifying Themes for the Sciences and New Frontiers for Mathematics, **Max Planck Institute for Mathematics in the Sciences, Leipzig, Germany**, chaired by Suzanne Dulle, Ellen Goldberg, Juergen Jest,

01/05/14-18

SFI Workshop on

<http://www.santafe.edu/sfi/research/researchUpdate/workshops.html> TARGET=new

**Hierarchies**

and Scale, chaired by Craig

Allen, C.S. Holling, Garry Peterson, 01/05/17-19

SFI Graduate Workshop in

<http://www.santafe.edu/sfi/research/researchUpdate/workshops.html> TARGET=new

**Computational Economics**, chaired by John

Miller and Scott Page, 01/07/15-28

SFI

<http://www.santafe.edu/sfi/research/researchUpdate/workshops.html> TARGET=new

**Complex**

Systems Summer School, Santa Fe, co-directed by Ray Goldstein, Melanie Mitchell, and Lynn Nadel, 01/06/10-07/07

SFI

<http://www.santafe.edu/sfi/research/researchUpdate/workshops.html> TARGET=new

**Complex**

Systems Summer School,

Budapest, co-directed by Melanie Mitchell and Imre Kondor,

01/07/16-08/10</FONT></LI>

<LI><FONT SIZE="-1">SFI Workshop on </FONT><A  
HREF="http://www.santafe.edu/sfi/research/researchUpdate/workshops.html" TARGET=new><FONT  
SIZE="-

l"><B>Poverty

Traps," </B></FONT></A><FONT SIZE="-1">chaired by Sam

Bowles,01/07/20-22</FONT></LI>

<LI><A HREF="http://www.santafe.edu/sfi/research/focus/compPhysics/projects/mathmaticaiModels.html"  
TARGET=new><FONT SIZE="-1"><B>SFI&nbsp;

Summer Workshop: Mathematical Models in Molecular and Cellular Biology</B></FONT></A><FONT  
SIZE="-1">, Lee Segel, Santa Fe Institute, Santa Fe, New Mexico,

01/07/29-08/10</FONT></II>

<LI><A HREF="http://www.societyforchaostheory.org" TARGET=new><FONT SIZE="-1"><B>11th

Annual International Conference The Society For Chaos Theory in Psychology & Life

Sciences</B></FONT></A><FONT SIZE="-1">, Madison, WI, USA,

01/08/3-6</FONT></LI>

<LI><FONT SIZE="-1">SFI&nbsp;Workshop on </FONT><A  
HREF="http://www.santafe.edu/sfi/research/researchUpdate/workshops.html"><FONT SIZE="-  
1"><B>Economic

Inequality and Economic Sustainability</B></FONT></A><FONT SIZE="-1">,chaired by Sam  
Bowles,01/09/21-23</FONT></LI>

<LI><A HREF="http://discuss.santafe.edu/nonextensive2001/" TARGET=new><FONT SIZE="-  
1"><B>Interdis. Appl. of Ideas from Nonext. Stat. Mech.&

Thermodyn.</B></FONT></A><FONT SIZE="-1">, M.Geii-Mann,C.

Tsallis,Santa Fe Institute,Santa Fe, NM,

01/10/1-5</FONT></LI>

<LI><FONT SIZE="-1">Workshop on </FONT><A

HREF="http://www.santafe.edu/sfijresearch/researchUpdate/workshops.html" TARGET=new><FONT SIZE="-

1"><B>Intergenerational

Inequality</B></FONT></A><FONT SIZE="-1">, chaired by Sam

Bowles,01/10/19-21</FONT></LI>

<LI><A HREF="http://www.frt.fy.chalmers.se/CAS.html" TARGET=new><FONT SIZE="-1"><B>Chalmers

University of Technology in

Goteborg</B></FONT></A><FONT SIZE="-1">,Sweden, offers an international Master's program in complex adaptive systems starting in September 2001</FONT></LI>

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<A HREF="http://www.comdig.org/" TARGET=new><FONT SIZE="-1">Complexity

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The full table of contents for Volume 106, Number 4 is now available on AGU's website at:

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===== TOC Follows =====

27,2001

Lammers, Richard B.; Shiklornanov, Alexander I.; Vorosmarty, Charles J.; Fekete, Baf'za M.; Peterson, Bruce

J. 2001 Assessment of contemporary Arctic river runoff based on observational discharge records J. Geophys. Res. Vol.

106, No. D4, p.3321 (2000JD900444)

Arora, Vivek K.; Boer, George J. 2001

Effects of simulated climate change on the hydrology of major river basins J. Geophys. Res. Vol. 106, No. D4, p. 3335

(2000JD900620)

Coe, Michael T.; Foley, Jonathan A. 2001 Human and natural impacts on the water resources of the lake Chad basin J.

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>> Milt Gere <GEREM@state.mi.us>, John Geissman <jgeiss@unm.edu>,

>> "S. Parker Gay" <benagi@aol.com>, "B. John Garrick"  
<bjgarrick@aol.com>,  
>> Steve Fritz <dfrito@eas.purdue.edu>,  
>> Ralph Von Frese <vonFrese@geology.ohio-state.edu>,  
>> David Fountain <fountain@uwyo.edu>, Michael Fosmire  
<fosmire@purdue.edu>,  
>> Ken Foland <kfoland@geology.ohio-state.edu>,  
>> Guy Flanagan <gflanag@ppco.com>, John & Ginny Evans  
<jrgevans@aol.com>,  
>> Don & Carol Englander <dctellico@aol.com>,  
>> "Lisa A. Durham" <ladurham@anl.gov>,  
>> David Douglass <douglass@pas.rochester.edu>,  
>> Bert & MaryJane Dickas <adickas@blacksburg.net>,  
>> "Lynn F. Deering" <LFD2@nrc.gov>, Christopher Day  
<cday@tiaa-cref.org>,  
>> "Daudt, Carl" <crdaudt@bpsinet.com>,  
>> "Jeffrey J. Daniels" <jdaniels@geology.ohio-state.edu>,  
>> "Jacob H. Dane" <danejac@auburn.edu>, "John D. Corbett"  
>> <corbetUD@aol.com>,  
>> Michael Connolly <MConnolly@agu.org>, Karen Colson <KColson@agu.org>,  
>> Faith Presbyterian Church <faithch@wcic.cioe.com>,  
>> Faith Presbyterian Church <faithch@dcwi.com>,  
>> "Val W. Chandler" <chand004@maroon.tc.umn.edu>,  
>> "Kwok C. Chan" <K.Chan@lacosteromberg.com>,  
>> Haluk Cetin <cerin@gis.murraystate.edu>,  
>> Vince & Lucy Carillot <VJCSAV@aol.com>, William Cannon  
<wcannon@usgs.gov>,  
>> Andrew Campbell <acc@nrc.gov>, Mike Brown <tiara31@aol.com>,  
>> Lynn & Betty Brown <mutti2vati@aol.com>,

>> Jerry & Mary Ann Brown <jr\_ma\_brown@yahoo.com>,  
>> John & Betty Brazier <brazierb@pilot.msu.edu>,  
>> Carl Braumlich <carl@cfs.purdue.edu>, Larry Braile  
<braile@purdue.edu>,  
>> "James W.Bradley" <jbrad43374@aol.com>,  
>> Louis & Becky Boyd <louisbSS@charter.net>,  
>> James Bosler <JRBosler@earthlink.com>, Ted Bornhorst  
<tjbornho@mtu.edu>,  
>> Richard Blakely <blakely@gauss.wr.usgs.gov>,  
>> Lee Blackridge <leeblack@falcon.cc.ukans.edu>,  
>> Ken Bencala <gs.wrr@usgs.gov>, Muawia Barazangi <mb44@cornell.edu>,  
>> Jack Anderson <cyndy@tctc.com>, "Mark E. Ander"  
<mander@ix.netcom.com>,  
>> Francis Albarede <albarede@ens-lyon.fr>,Jeff Ahbe <NJAhbe@aol.com>,  
>> Peter Schlosser <jgr\_schlosser@ldeo.columbia.edu>,  
>> William Gray <wggray@gauss.ce.nd.edu>,  
>> Brian Wernicke <brian@gps.caltech.edu>,  
>> Thomas Torgersen <torgerse@uconnvm.uconn.edu>,  
>> Robert Hunsucker <hunsuckr@oit.edu>,Michael Arthur  
>> <arthur@geosc.psu.edu>,  
>> Janet Luhmann <jgluhman@sunspot.ssl.berkeley.edu>,  
>> Paul Lucey <lucey@pgd.hawaii.edu>, Darin Toohey <jgrd@colorado.edu>,  
>> Alan Robock <robock@envsci.rutgers.edu>,  
>> Steven Pawson <jgrd@dao.gsfc.nasa.gov>,  
>> "Colin O'Dowd" <colin.odowd@cmas.demon.co.uk>,  
>> William Reeburgh <reeburgh@uci.edu>, Michael Prather  
<mprather@uci.edu>

>>Subject: FW: Ah- another virus,yet easy to remedy

>>Date:Wed, 2 Jan 2002 11:08:39 -0500

>>X-Mailer: Microsoft Outlook IMO,Build 9.0.2416 (9.0.2910.0)

>>Importance: Normal

>>

>>

>>

>>-----Original Message-----

>>From: paige [mailto:paige@glmart.org]

>>Sent: Wednesday, January 02, 2002 10:12 AM

>>To: Allie Broach (E-mail); Alyson Flynn (E-mail); Amy Childress

>>(E-mail); Angie Bowen (E-mail); AniDutta (E-mail); Anita Krug

>>(E-mail); Araceli Merrell (E-mail); Barbara Doster (E-mail); Betsy

>>Traub (E-mail); Betty M. Morgavan (E-mail); Beverly Reid (E-mail);

>>Bill Caddell (E-mail); Bob Haan (E-mail); Bonnie Zimmer (E-mail);

>>Candace Larson (E-mail); Carol Crochet (E-mail); Cheryl Borst

>>(E-mail); Cindy Bedell (E-mail); Craig Martin (E-mail); David Aim

>>(E-mail); David Cummings (E-mail); David Wemlinger (E-mail); Dawn

>>Brace (E-mail); Dennis Short (E-mail); Donna Segrist (E-mail);

>>Dorothy Lawrence (E-mail); Doug Winslow (E-mail); Eileen Steele

>>(E-mail); Emily Skinner (E-mail); Grandma and Grandpa (E-mail);

>>Gretchen Bertolet (E-mail); Ilana Bove (E-mail); James Werner

>>(E-mail); Jan Meyer & Doug Winslow (E-mail); Joanne Kuhn Titolo

>>(E-mail); Kathy Trout (E-mail); Kathy Weedon (E-mail); Kevin

>>Wemlinger (E-mail); Kris Wing (E-mail); Kris Wing (E-mail); Lisa

>>Scanlon (E-mail); Lorie Amick (E-mail); Luann Lamie (E-mail); Mara

>>Wasburn (E-mail); Margie Bluestein (E-mail); Marilyn Hinze (E-mail);

>>Mary Mann (E-mail); MaryJane Hoover (E-mail); Mindy Kane (E-mail);

>>missy Gulick (E-mail); Mona Berg (E-mail); Nancy Boes (E-mail); Nancy

>>Dandrow (E-mail); Pam Sharp (E-mail); Patrick 2 (E-mail); Patty Herr

>>(E-mail); Ric Waits (E-mail); Richard DuCharme (E-mail); Scott

>>Frankenberger (E-mail); Scott Harvey (E-mail); Shannon May (E-mail);

>>SheriHelmkamp (E-mail);Susan Uhlig (E-mail);Suzie Coles (E-mail);

>>Tim Brouks (E-mail); Tracy Thoennes (E-mail);Vern Cheek (E-mail);

>>VikkiLord (E-mail); Wes (E-mail}

>>Cc: Kate Obrien; Michal Hathaway

>>Subject: Ah - another virus, yet easy to rememdy

>>

>>

>>No doubt you have probably received a virus from me that I just

>>received recently.

>>Here's how to remove it:

>>> 1. Go to 'start' - then to 'find' or 'search' (depending on your

>>computer).

>>> 2. In the 'search for files or folders' type in sulfnbk.exe --

>>>this is

>>the

>>> virus.

>>> 3. In the 'look in' make sure you're searching Drive C.

>>> 4. Hit 'search' button (or 'find' } 5. If this file shows up (it's

>>>an ugly blackish icon that will have the

>>name

>>> 'sulfnbk.exe') DO NOT OPEN IT

>>> 6. Right click on the file -go down to delete and left click.

>>> 7. It will ask you if you want to send it to the recycle bin, say yes.

>>> 8. Go to your desktop and double click on the recycle bin.

>>> 9. Right click on sulfnbk.exe and delete again- or empty the bin.

>>>

>>> If you find it send this email to all in your address book,

>>>because that's

>>how it's transferred.

>>

>>Additional info: virus takes 14 days before activates and ruins your hard  
>>drive.  
>>Sorry about the inconvenience,  
>>Paige

From: Sent:

Subject:

George Hornberger <hornberger@virginia.edu> Wednesday, January 02, 2002 1:01PM

sorry-- virus warning is a hoax

Follow Up Flag: Flag Status:

Follow up

Flagged

<x-flowed>

>X-Authentication-Warning: meter.hydro.washington.edu: lettenma owned

>process doing -bs

>Date: Wed, 2 Jan 2002 09:43:18 -0800 (PST)

>From: Dennis Lettenmaier <lettenma@ce.washington.edu>



>X-Sender: lettenma@meter.hydro.washington.edu

>To: George Hornberger <hornberger@virginia.edu>

>Subject: Re:Fwd:FW: Ah - another virus, yet easy to remedy

>

>george--

>

>you will probably soon be getting a raft of emails to the effect that

>this is a hoax. went through this last week from various sources. the

>file in question allows windows to handle long file names. deleting it

>probably won't create havoc with your pc, but it won't don anything

>useful eaither, and you may have trouble with files with long names.

>

>dennis

>

>

>

>On Wed, 2 Jan 2002, George Hornberger wrote:

>

>>

>>>From: William Hinze <wjh@gte.net>

>>>To:Kou-yuan Huang <kyhuang@cis.nctu.edu.tw>,Ivan Hrvoic

> <ivan@gemsys.on.ca>,

>>> Steve Hayes <wintege@texaco.com>,

>>> Thomas Housley <thousley@xenon.che.ilstu.edu>,

>>> George Hornberger <gmh3k@virginia.edu>,

>>> Rich Hopkins <hopkinsrich@worldnet.att.net>,

>>> Judy Holoviak <jholoviak@agu.org>, Bill Holben

> <bholben@selway.umt.edu>,

>>> Roger & Connie Hoffer <roger@cnr.colostate.edu>,

>>> "Robert A.Hisle" <bhisle@hilliard.com>,Tom Hinze

> <sassyl@milwpc.com>,  
>>> Laura Hinze <llhinze@hotmail.com>,  
>>> Jack & Mary Lou Hinze <mlhinze@execpc.com>, Don Hill  
> <dgwhill@aol.com>,  
>>> Tom Hildenbrand <tom@usgs.gov>, Sara Hemmer <shemmer@megsinet.net>,  
  
>>> Ed & Phyllis Hemmer <phylhem@webtv.net>,  
>>> James Heirtzler <jamesH@Itpmail.gsfc.nasa.gov>,  
>>> Ernest Hauser <ehauser@wright.edu>, Steve & Barb Hauck  
> <shauck@d.umn.edu>,  
>>> Harshvarden <harsh@purdue.edu>, Willy & Gail Van Haren <psh@itis.com>,  
>>> Ralph & Marge Van Haren <rcletus@aol.com>,  
>>> Ralph & Marge Van Haren <rcletusv@aol.com>,  
>>> David & Monica Van Haren <dmongrovn@aol.com>,  
>>> Jon Harbor <jharbor@purdue.edu>, Carol Hanlon  
>>> <Caroi.Hanlon@notes.ymp.gov>,  
>>> Henry Halls <hhalls@credit.erin.utoronto.ca>, Bob Haan <bob@haan.com>,  
>>> Volker Haak <vhaak@gfz-potsdam.de>, Harley Griffith <hgriff@l gte.net>,  
>>> "William G. Gray" <wrrwgg@gauss.ce.nd.edu>, Tien G ra uch  
> <tien@usg.gov>,  
>>> Tom & Carol Goodrich <goodrich3715@home.com>, Reto Giere  
>>> <giere@purdue.edu>,  
>>> Milt Gere <GEREM@state.mi.us>, John Geissman <jgeiss@unm.edu>,  
>>> "S. Parker Gay" <benagi@aol.com>, "B. John Garrick"  
> <bjgarrick @aol.com>,  
>>> Steve Fritz <dfrito@eas.purdue.edu>,  
>>> Ralph Von Frese <vonFrese@geology.ohio-state.edu>,  
>>> David Fountain <fountain@uwyo.edu>, Michael Fesmire  
> <fosmire@purdue.edu>,  
>>> Ken Foland <kfoland@geology.ohio-state.edu>,

>>> Guy Flanagan <gflanag@ppco.com>,John & Ginny Evans  
><jrgevans@aol.com>,  
>>> Don & Carol Englander <dctellico@aol.com>,  
>>> "Lisa A.Durham" <ladurham@anl.gov>,  
>>> David Douglass <douglass@pas.rochester.edu>,  
>>> Bert & MaryJane Dickas <adickas@blacksburg.net>,  
>>> "Lynn F. Deering" <LFD2@nrc.gov>,Christopher Day  
><cday@tiaa-cre'f.org>,  
>>> "Daudt,Carl" <crdaudt@bpsinet.com>,  
>>> "Jeffrey J. Daniels" <jdaniels@geology.ohio-state.edu>,  
>>> "Jacob H. Dane" <danejac@auburn.edu>,"John D. Corbett"  
>>><corbettJD@aol.com>,  
>>> Michael Connolly <MConnolly@agu.org>, Karen Colson <KColson@agu.org>,  
>>> Faith Presbyterian Church <faithch@wcic.cioe.com>,  
>>> Faith Presbyterian Church <faithch@dcwi.com>,  
>>> "Val W. Chandler" <chand004@maroon.tc.umn.edu>,  
>>> "Kwok C. Chan" <K.Chan@lacosteromberg.com>,  
>>> Haluk Cetin <cetin@gis.murraystate.edu>,  
>>> Vince & Lucy Carillot <VJCSAV@aol.com>,William Cannon  
><wcannon@usgs.gov>,  
>>> Andrew Campbell <acc@nrc.gov>,Mike Brown <tiara31@aol.com>,  
>>> Lynn & Betty Brown <mutti2vati@aol.com>,  
>>> Jerry & Mary Ann Brown <jr\_ma\_brown@yahoo.com>,  
>>> John & Betty Bra zier <brazierb@ pilot.msu.edu>,  
>>> Carl Braumlich <carl@cfs.purdue.edu>,Larry Braile  
><braile@purdue.edu>,  
>>> "James W. Bradley" <jbrad43374@aol.com>,  
>>> Louis & Becky Boyd <louisbSS@charter.net>,  
>>> James Bosler <JRBosler@earthlink.com>,Ted Bornhorst

> <tjbornho@mtu.edu>,  
>>> Richard Blakely <blakely@gauss.wr.usgs.gov>,  
>>> Lee Blackridge <leebblack@falcon.cc.ukans.edu>,  
>>> Ken Bencala <gs.wrr@usgs.gov>, Muawia Barazangi <mb44@cornell.edu>,  
>>> Jack Anderson <cyndy@tctc.com>, "Mark E.Ander"  
> <mander@ix.netcom.com>,  
>>> Francis Albarede <albarede@ens-lyon.fr>, Jeff Ahbe <NJAhbe@aol.com>,  
>>> Peter Schlosser <jgr\_schlosser@ldeo.columbia.edu>,  
>>> William Gray <wggray@gauss.ce.nd.edu>,  
>>> Brian Wernicke <brian@gps.caltech.edu>,  
>>> Thomas Torgersen <torgerse@uconnvm.uconn.edu>,  
>>> Robert Hunsucker <hunsuckr@oit.edu>, Michael Arthur  
>>> <arthur@geosc.psu.edu>,  
>>> Janet Luhmann <jgluhman@sunspot.ssl.berkeley.edu>,  
>>> Paul Lucey <lucey@pgd.hawaii.edu>, Darin Toohey <jgrd@colorado.edu>,  
>>> Alan Robock <robock@envsci.rutgers.edu>,  
>>> Steven Pawson <jgrd@dao.gsfc.nasa.gov>,  
>>> "Colin O'Dowd" <colin.odowd@cmas.demon.co.uk>,  
>>> William Reeburgh <reeburgh@uci.edu>, Michael Prather  
> <mprather@uci.edu>

>>>Subject: FW:Ah - another virus,yet easy to remedy

>>>Date: Wed, 2 Jan 2002 11:08:39 -0500

>>>X-Mailer: Microsoft Outlook IMO, Build 9.0.2416 (9.0.2910.0)

>>>Importance: Normal

>>>

>>>

>>>

>>>-----Original Message-----

>>>From: paige [mailto:paige@glmart.org]

>>>Sent: Wednesday, January 02, 2002 10:12 AM

>>>To: Allie Broach (E-mail); Alyson Flynn (E-mail); Amy Childress  
>>>(E-mail); Angie Bowen (E-mail); Ani Dutta (E-mail);Anita Krug  
>>>(E-mail);Araceli Merrell (E-mail); Barbara Doster (E-mail);Betsy  
>>>Traub (E-mail); Betty M. Morgavan (E-mail); Beverly Reid (E-mail);  
>>>Bill Caddell (E-mail); Bob Haan (E-mail); Bonnie Zimmer (E-mail);  
>>>Candace Larson (E-mail);Carol Crochet (E-mail);Cheryl Borst  
>>>(E-mail);Cindy Bedell (E-mail); Craig Martin (E-mail);David Aim  
>>>(E-mail); David Cummings (E-mail); David Wemlinger (E-mail); Dawn  
>>>Brace (E-mail); Dennis Short (E-mail);Donna Segrist (E-mail);  
>>>Dorothy Lawrence (E-mail); Doug Winslow (E-mail);Eileen Steele  
>>>(E-mail); Emily Skinner (E-mail);Grandma and Grandpa (E-mail);  
>>>Gretchen Bertolet (E-mail);Iana Bove (E-mail);James Werner  
>>>(E-mail);Jan Meyer & Doug Winslow (E-mail);Joanne Kuhn Titolo  
>>>(E-mail); Kathy Trout (E-mail);Kathy Weedon (E-mail);Kevin  
>>>Wemlinger (E-mail); Kris Wing (E-mail);Kris Wing (E-mail);Lisa  
>>>Scanlon (E-mail); Lorie Amick (E-mail); Luann Lamie (E-mail); Mara  
>>>Wasburn (E-mail); Margie Bluestein (E-mail);Marilyn Hinze  
>>>(E-mail);Mary Mann (E-mail); MaryJane Hoover (E-mail);Mindy Kane  
>>>(E-mail); missy Gulick (E-mail);Mona Berg (E-mail); Nancy Boes  
>>>(E-mail);Nancy Dandrow (E-mail); Pam Sharp (E-mail); Patrick 2  
>>>(E-mail);Patty Herr (E-mail); Ric Waits (E-mail);Richard DuCharme  
  
>>>(E-mail);Scott Frankenberger (E-mail);Scott Harvey (E-mail);  
>>>Shannon May (E-mail);Sheri Helmkamp (E-mail);Susan Uhlig  
>>>(E-mail);Suzie Coles (E-mail); Tim Brouks (E-mail); Tracy Thoennes  
>>>(E-mail);Vern Cheek (E-mail);Vikki lord (E-mail); Wes (E-mail)  
>>>Cc: Kate Obrien;Michal Hathaway  
>>>Subject: Ah - another virus, yet easy to rememdy  
  
>>>  
  
>>>

>>>No doubt you have probably received a virus from me that I just

>>>received recently.

>>>Here's how to remove it:

>>>> 1. Go to 'start'- then to 'find' or 'search' (depending on your

>>>computer).

>>>> 2. In the 'search for files or folders' type in sulfnbk.exe --

>>>>this is

>>>>the

>>>> virus.

>>>> 3. In the 'look in' make sure you're searching Drive C.

>>>> 4. Hit 'search' button (or 'find') 5. If this file shows up

>>>> (it's an ugly blackish icon that will have the

>>>>name

>>>> 'sulfnbk.exe'} DO NOT OPEN IT

>>>> 6. Right click on the file - go down to delete and left click.

>>>> 7. It will ask you if you want to send it to the recycle bin, say yes.

>>>> 8. Go to your desktop and double click on the recycle bin.

>>>> 9. Right click on sulfnbk.exe and delete again - or empty the bin.

>>>>

>>>> If you find it send this email to all in your address book,

>>>> because

> that's

>>>>how it's transferred.

>>>>

>>>>Additional info: virus takes 14 days before activates and ruins

>>>>your hard drive.

>>>>Sorry about the inconvenience,

>>>>Paige

>>

>>

</x-flowed>

From: Sent: Subject:

Richard Savio <RPS1@nrc.gov> Wednesday, January 02, 2002 1:12 PM

Re: Fwd: FW: Ah - another virus, yet easy to remedy

Follow Up Flag: Flag Status:

Follow up

Flagged

This is probably a hoax, designed to get you to delete a Windows operating system file. You can look at the "last

modified date" when you bring the file up with the FIND command and will probably find that it corresponds to the date you installed (or last patched if that file was involved) your Windows operating system. Dick Savio

>>George Hornberger <hornberger@virginia.edu> 01/02/02 12:36PM >>

>From: William Hinze <wjh@gte.net>

>To: Kou-yuan Huang <k yhuang@cis.nctu.edu.tw>, Ivan Hrvoic <ivan@gemsys.on.ca>,

- > Steve Hoyes <wintege@texaco.com>,
- > Thomas Housley <thousley@xenon.che.ilstu.edu>,
- > George Hornberger <gmh3k@virginia.edu>,
- > Rich Hopkins <hopkinsrich@worldnet.att.net>,
- > Judy Holoviak <jholoviak@agu.org>, Bill Holben <bholben@selway.umt.edu>,
- > Roger & Connie Hoffer <roger@cnr.colostate.edu>,
- > "Robert A. Hisle" <bhisle@hilliard.com>, Tom Hinze <sassyl@milwpc.com>,
- > Laura Hinze <llhinze@hotmail.com>,
- > Jack & Mary Lou Hinze <mlhinze@execpc.com>, Don Hill <dgwhill@aol.com>,
- > Tom Hildenbrand <tom@usgs.gov>, Sara Hemmer <shemmer@megsinet.net>,
- > Ed & Phyllis Hemmer <phylhem@webtv.net>,
- > James Heirtzler <jamesH@Itpmail.gsfc.nasa.gov>,
- > Ernest Hauser <ehauser@wright.edu>, Steve & Barb Hauck <shauck@d.umn.edu>,
- > Harshvardan <harsh@purdue.edu>, Willy & Gail Van Haren <psh@itis.com>,
- > Ralph & Marge Van Haren <rcletus@aol.com>,
- > Ralph & Marge Van Haren <rcletusv@aol.com>,
- > David & Monica Van Haren <dmongrovn@aol.com>,
- > Jon Harbor <jharbor@purdue.edu>, Carol Hanlon  
><Caroi.Hanlon@notes.ymp.gov>,
- > Henry Halls <hhalls@credit.erin.utoronto.ca>, Bob Haan <bob@haan.com>,
- > Volker Haak <vhaak@gfz-potsdam.de>, Harley Griffith <hgriff@l gte.net>,
- > "William G. Gray" <wrrwgg@gauss.ce.nd.edu>, Tien Grauch <tien@usg.gov>,
- > Tom & Carol Goodrich <goodrich3715@home.com>, R eto Giere  
><giere@purdue.edu>,
- > Milt Gere <GEREM@state.mi.us>, John Geissman <jgeiss@unm.edu>,
- > "S.Parker Gay" <benagi@aol.com>, "B. John Garrick" <bjgarrick@aol.com>,
- > Steve Fritz <dfrito@eas.purdue.edu>,
- > Ralph Von Frese <vonFrese@geology.ohio-state.edu>,
- > David Fountain <fountain@uwyo.edu>, Michael Fesmire <fosmire@purdue.edu>,
- > Ken Foland <kfoland@geology.ohio-state.edu>,



> Guy Flanagan <gflanag@ppco.com>,John & Ginny Evans <jrgevans@aol.com>,  
> Don & Carol Englander <dctellico@aol.com>,  
> "lisa A. Durham" <ladurham@anl.gov>,  
  
> David Douglass <douglass@pas.rochester.edu>,  
> Bert & MaryJane Dickas <adickas@blacksburg.net>,  
> "Lynn F. Deering" <LFD2@nrc.gov>,Christopher Day <cday@tiaa-cref.org>,  
> "Daudt,Carl" <crdaudt@bpsinet.com>,  
> "Jeffrey J. Daniels" <jdaniels@geology.ohio-state.edu>,  
> "Jacob H.Dane" <danejac@auburn.edu>, "John D. Corbett"  
> <corbettJD@aol.com>,  
> Michael Connolly <MConnolly@agu.org>,Karen Colson <KColson@agu.org>,  
> Faith Presbyterian Church <faithch@wcic.cioe.com>,  
> Faith Presbyterian Church <faithch@dcwi.com>,  
> "Val W. Chandler" <chand004@maroon.tc.umn.edu>,  
> "Kwok C. Chan" <K.Chan@lacosteromberg.com>,  
> Haluk Cetin <cetin@gis.murraystate.edu>,  
> Vince & Lucy Carillot <VJCSAV@aol.com>, William Cannon <wcannon@usgs.gov>,  
> Andrew Campbell <acc@nrc.gov>, Mike Brown <tiara31@aol.com>,  
> Lynn & Betty Brown <mutti2vati@aol.com>,  
> Jerry & Mary Ann Brown <jr\_ma\_brown@yahoo.com>,  
> John & Betty Brazier <brazierb@pilot.msu.edu>,  
> Carl Braumlich <carl@cfs.purdue.edu>, Larry Braile <braile@purdue.edu>,  
> "James W. Bradley" <jbrad43374@aol.com>,  
> Louis & Becky Boyd <louisb55@charter.net>,  
> James Bosler <JRBosler@earthlink.com>, Ted Bornhorst <tjbornho@mtu.edu>,  
> Richard Blakely <blakely@gauss.wr.usgs.gov>,  
> Lee Blackridge <leeblack@falcon.cc.ukans.edu>,  
> Ken Bencala <gs.wrr@usgs.gov>, Muawia Barazangi <mb44@cornell.edu>,  
> Jack Anderson <cyndy@tctc.com>, "Mark E. Ander" <mander@ix.netcom.com>,

> Francis Albarede <albarede@ens-lyon.fr>,Jeff Ahbe <NJAhbe@aol.com>,  
> Peter Schlosser <jgr\_schlosser@ldeo.columbia.edu>,  
> William Gray <wggray@gauss.ce.nd.edu>,  
> Brian Wernicke <brian@gps.caltech.edu>,  
> Thomas Torgersen <torgerse@uconnvm.uconn.edu>,  
> Robert Hunsucker <hunsuckr@oit.edu@geology.ohio-state.edu>,Michael  
>Arthur <arthur@geosc.psu.edu>,  
> Janet Luhmann <jgluhman@sunspot.ssl.berkeley.edu>,  
> Paul Lucey <lucey@pgd.hawaii.edu>, Darin Toohey <jgrd@colorado.edu>,  
> Alan Roback <robock@envsci.rutgers.edu>,  
> Steven Pawson <jgrd@dao.gsfc.nasa.gov>,  
> "Colin O'Dowd" <colin.odowd@emas.demon.co.uk>,  
> William Reeburgh <reeburgh@uci.edu>, Michael Prather  
><mprather@uci.edu>

>Subject: FW: Ah- another virus,yet easy to remedy

>Date: Wed, 2 Jan 2002 11:08:39 -0500

>X-Mailer: Microsoft Outlook IMO,Build 9.0.2416 (9.0.2910.0)

>Importance: Normal

>

>

>

>-----Original Message-----

>From: paige [mailto:paige@glmart.org]

>Sent: Wednesday,January 02,2002 10:12 AM

>To: Allie Broach (E-mail);Alyson Flynn (E-mail);Amy Childress

>(E-mail); Angie Bowen (E-mail);Ani Outta (E-mail); Anita Krug

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>No doubt you have probably received a virus from me that I just  
>received recently.

>Here's how to remove it:

>> 1. Go to 'start'- then to 'find' or 'search' (depending on your  
>computer).

>> 2. In the 'search for files or folders' type in sulfnbk.exe -- this

>>is

>the

>>virus.

>> 3. In the 'look in' make sure you're searching Drive C.

>> 4. Hit 'search' button (or 'find')

>> 5. If this file shows up (it's an ugly blackish icon that will have

>>the

>name

>> 'sulfnbk.exe') DO NOT OPEN IT

>> 6. Right click on the file - go down to delete and left click.

>> 7. It will ask you if you want to send it to the recycle bin, say yes.

>> 8. Go to your desktop and double click on the recycle bin.

>> 9. Right click on sulfnbk.exe and delete again - or empty the bin.

>>

>>If you find it send this email to all in your address book,because

>>that's

>how it's transferred.

>

>Additionalinfo: virus takes 14 days before activates and ruins your

>hard drive.

>Sorry about the inconvenience,

>Paige

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Reconstructing Late Holocene Climate Workshop

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April 17-20, 2001

This scientific meeting is an international PAGES/CLIVAR workshop under the auspices of the International Geosphere- Biosphere Project (IGBP). attended by leaders of the climate research community from Europe and North America, and representatives of major U.S. governmental science agencies (NSF and NOAA), and it is being hosted by Dr.Michael E. Mann.

If you would like more information,you may contact the Meeting Coordinator, Brenda Morris, by E-Mail (bwm6q@virginia.edu).

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Obituary: Kent R. Wilson (1937-2000) DUDLEY HERSCHBACH

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=====;

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=====

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nature science update

chemistry: A handle on handedness lifelines: Incognito mosquito medicine: A new weapon in TB fight  
lifelines : Monkey see

medicine : No saint

physics :Great balls of metal brain :Steer simplicity lifelines :To snore no more brain :The time of sands  
chemistry: Waxy races biotechnology : Hot stuff lifelines :Age shall not wither

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From: Sent: To: Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Monday, November 13, 2000 1:01PM Scott Rutherford

Michael E. Mann

Re:Order from Apple

Hi Scott,

That sounds good. I'll be doing some grading for my two courses, but will also have some free time since I'll be done teaching. You are welcome to stay w/me, if you don't already have accommodations...

mike

At 05:05 PM 11/13/00 -0500, Scott Rutherford wrote:

>Mike,

>

>Thanks for the powerbook info.

>

>I've got some results from the verification run and have everything  
>processed (I think). I'm trying to narrow down a couple of things, but  
>intend on posting the results tomorrow.

>

>I was planning on coming down either the week of the 4th through 8th or  
>so or the following week 11-14 and flying out to AGU on the 14th.

>You're leaving on the 12th correct? So how does the week of 4-8 sound?

>

>-Scott

>

» HI Scott,

>>

»The powerbook has arrived. Will grab it and keep it in my office until

>>next time you come down.

>>

» Which leads me to the question: when we're you thinking about coming

»down next. It would be good for you to make it down before the holiday

»break, to get the AGU talk together and make some progress on the

»paper and the Osborn analyses.Let me know what you have in mind.

>>

»Thanks,

>>

»mike

>>

>>X-Sender: mrt3s@m.mail.virginia.edu

>>X-Mailer: QUALCOMM Windows Eudora Pro Version 4.0.1

>>Date:Mon,13 Nov 2000 10:27:37 -0500

>>>To: mann@virginia.edu

>>From: Mark Terry <mrt3s@virginia.edu>

>>Subject: Order from Apple

>>>

>>>Your Powerbook has arrived from Apple Computer in Room 105. The

>>>extra RAM & SaddleBag aren't here yet, but you can come pick up the

>>>computer if you'd like.

>>>

>>>

>>> \_

»>Mark Terry

>>Purchasing

>>4-3766

>>>

>>>

>>

» Professor Michael E. Mann

» Department of Environmental Sciences, Clark Hall

» University of Virginia

» Charlottesville, VA 22903

>>

»e-mail: mann@virginia.edu Phone:(804) 924-7770 FAX: (804) 982-2137

>> <http://www.evsc.virginia.edu/faculty/people/mann.html>

>

>--

>

> Scott Rutherford

>

> Currently sitting here:

>University of Virginia University of Rhode Island

>EnvironmentalSciences Graduate School of Oceanography

>Clark Hall South Ferry Road

>Charlottesville, VA 22903 Narragansett, RI 02882

>e-mail:srutherford@virginia.edu srutherford@gso.uri.edu

>phone: (804) 924-4669 (401) 874-6599

>fax: (804) 982-2137 (401) 874-6160

>

>

From: Sent: To: Subject:

Mark R. Terry <mrt3s@cms.mail.virginia.edu> Tuesday, October 17, 2000 2:28 PM

Mike Mann

Travel bags

A pair of travel bags addressed to "Dr. Tim Osborn cjo Mike Mann" arrived today in Rm 105, Clark Hall. You can come pick them up whenever you get a chance.

Thanks, Mark Terry

Purc hasing

From: Sent: To:

Subject:

Rowena Scott <res4f@virginia.edu> Thursday, October 12, 2000 9:54 AM Michael E. Mann

Re:Red RoofInn

His bill has been corrected, so it should no longer be charged to his credit card and the reservation for 10/15-10/20 has also been changed.

When every you call the Red Roof Inn to make a reservation make sure to give them our Account number CP508329 and it will automatically come to the department for payment. Thanks Row.

"Michael E. Mann" wrote:

>

>Dear Rowena,

>

> There appears to be some confusion w/ the Red Roof Inn. You'll recall

>that last week I asked that they be provided billing information to my

>grant for Tim Osborn who is spending several days there (I left you a

> message and didn't hear back from you, so I assumed that the

>arrangements had been made). When Tim checked in, they didn't seem to

>know that the billing had already been pre-arranged.Can you please

> look into this ASAP? Thanks,

>

>mike

>

> Professor Michael E. Mann

> Department of Environmental Sciences,Clark Hall

> University of Virginia

> Charlottesville, VA 22903

>

> e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX:(804) 982-2137

> ht tp://www.evsc.virginia.edu/faculty/people/mann.html



From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Friday, October 06, 2000 2:32 AM

Tim Osborn

Michael E. Mann

Re: my visit

Hi Tim,

greetings (from San Diego),

that all sounds good. Yes, Red Roof Inn is near the corner of Main Street and Emmet/Route 29, so the map might have been confusing in that respect...

Just come by any time wednesday morning. I don't teach that day, so I'll be around my office most of the day.

Re: the forecast. That sounds a bit odd. I wouldn't expect low temperatures below 10C/SOF in early/mid October, so the numbers don't sound quite right.

Temperatures in the 80s F/20sC are quite possible in October. You should definitely bring a light jacket and sweater, but you shouldn't need anything heavier than that.

let me know if there's anything else I can help with. Talk to you soon, mike

At 04:59 PM 10/5/00 +0100, Tim Osborn wrote:

>At 10:04 03/10/00 -0400,you wrote:

»Some good news and some bad news. Your reservation is booked at the

» Red Roof Inn in Charlottesville for check in on Oct 10th, and

» departure on Oct 20th.

»Please let me know if I don't have these dates right.

>

>These dates are fine.

>

»The Red Roof Inn is located at 1309 W Main Street in Charlottesville,

» right near the university, and their number is 295-4333. You should

» let me know if you have any problems finding your way to

» Charlottesville, etc. (as I remember, you are renting a car at the Airport, and driving in, right?).

>

>Driving should be no problem,though when I clicked on "map" on the

>RedRoofInn website it showed me a map of Charlottesville with a "\*"

>centred on Emmet Street not West Main Street. It confused me for a

>while, but I've sorted it out now. On Wednesday morning, I'll just

>come to Clark Hall (between Cabell Dr. and McCormick Rd.?) and ask for

>you (Scott is away for a few days,I seem to recall). Let me know if

>this isn't right, or if there is a particularly convenient time that I should arrive.

>

»{1) Charlottesville will not

» be a fun place to be at that time and {2) All the hotel rooms for the

» nights of 13th/14th have been sold out for months,and I was unable to

»reserve a room for you for those two nights.

>

>I've checked with my friends in Tennessee and will drive down to see

>them for the weekend. Thanks for the offer of your spare room though.

>

>I final question - if you have time- what weather/temperatures should  
>I expect. The current forecast seems to be varying from 2 deg Cat  
>night to  
>27 deg C during the day - is it really such a big range?  
>  
>Looking forward to next week.  
>  
>Tim  
>  
>  
>Dr Timothy J Osborn I phone: +44 1603 592089  
>Senior Research Associate I fax: +44 1603 507784  
>Climatic Research Unit I e-mail: t.osborn@uea.ac.uk  
>School of Environmental Sciences I web-site:  
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>Norwich NR4 7TJ I sunclock:  
>UK I <http://www.cru.uea.ac.uk/timo/sunclock.htm>  
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<http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To: Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Thursday, October 05, 2000 10:32 PM Tim Osborn

Michael E. Mann

Re: my visit

HiTim,

greetings (from San Diego),

that all sounds good. Yes, Red Roof Inn is near the corner of Main Street and Emmet/Route 29, so the map might have been confusing in that respect...

Just come by any time wednesday morning. I don't teach that day, so I'll be around my office most of the day.

Re: the forecast. That sounds a bit odd. I wouldn't expect low temperatures below 10C/50F in early/mid October, so the numbers don't sound quite right.

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let me know if there's anything else I can help with. Talk to you soon, mike

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»Please let me know if I don't have these dates right.

>

>These dates are fine.

>

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»Charlottesville, etc. (as I remember, you are renting a car at the Airport, and driving in, right?).

>

>Driving should be no problem, though when I clicked on "map" on the

>RedRoofInn website it showed me a map of Charlottesville with a "\*"

>centred on Emmet Street not West Main Street. It confused me for a

>while, but I've sorted it out now. On Wednesday morning, I'll just

>come to Clark Hall (between Cabell Dr. and McCormick Rd.?) and ask for

>you (Scott is away for a few days, I seem to recall). Let me know if

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»be a fun place to be at that time and (2) All the hotel rooms for the

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»reserve a room for you for those two nights.

>

>I've checked with my friends in Tennessee and will drive down to see

>them for the weekend. Thanks for the offer of your spare room though.

>

>I final question - if you have time- what weather/temperatures should

>I expect. The current forecast seems to be varying from 2 deg Cat

>night to

>27 deg C during the day- is it really such a big range?

>

>Looking forward to next week.

>

>Tim

>

>

>Dr Timothy J Osborn      1 phone: +44 1603 592089

>Senior Research Associate   I fax: +44 1603 507784

>Climatic Research Unit      I e-mail: t.osborn@uea.ac.uk

>School of Environmental Sciences   I web-site:

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>Norwich NR4 7TJ   I sunclock:

>UK   I <http://www.cru.uea.ac.uk/'timo/sunclock.htm>

>

>

>

Sent:

To:

Subject:

Thursday, October 05, 2000 11:59 AM Michael E. Mann

Re: my visit

At 10:04 03/10/00 -0400,you wrote:

>Some good news and some bad news. Your reservation is booked at the Red  
>Roof Inn in Charlottesville for check in on Oct 10th,and departure on  
>Oct 20th.  
>Please let me know if I don't have these dates right. These dates are fine.  
>The Red Roof Inn is located at 1309 W Main Street in Charlottesville,  
>right near the university, and their number is 295-4333. You should let  
>me know if you have any problems finding your way to Charlottesville,  
>etc.(as I remember,you are renting a car at the Airport, and driving in, right?).

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I final question- if you have time- what weather/temperatures should I expect. The current forecast seems to be varying from 2 deg Cat night to

27 deg C during the day - is it really such a big range? Looking forward to next week.

Tim

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University of East Anglia I <http://www.cru.uea.ac.uk/timo/> Norwich NR4 7TJ I sunclock:

UK I <http://www.cru.uea.ac.uk/timo/sunclock.htm>

Sent:

To:

Subject:

Tuesday, October 03, 2000 11:46 AM Michael E. Mann

Re: my visit

A quick reply as I'm about to leave. (1) Thanks for the hotel info. (2) Thanks for the offer of weekend accomodation - I'll let you know.(3) I had wondered about visiting my friends in NE Tennessee during the weekend, but they mentioned something about major roadworks on the Interstate down to NE Tennessee -do you know if they're still ongoing and whether they'd slow a journey down by much? That'll be a major factor in deciding whether to make the drive on Friday

& Sunday evenings.

Cheers

Tim



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UK I <http://www.cru.uea.ac.uk/--timo/suncllock.htm>

Sent: To: Subject:

Friday, June 30, 2000 6:34 AM Michael E. Mann

Re: Osborn et al clim dyn 99 reprint

At 15:54 29/06/00 -0400, you wrote:

>Can you send me out a reprint:

>p.s. please also send any related recent work. Thanks, Mike

I've put some reprints in the post to you today.

For my visit, the most suitable flights appear to be:

Arrive Tues 10th October at 1540 Washington Dulles. Then I have the option of flying to Charlottesville (depart 1715, arrive 1802), or picking up a hire car and driving. Is the drive reasonable? If I'd need a car during my stay then that might also be the cheapest option. If not then flying would be. I also have some friends in Johnson City (NE Tennessee) that I thought about visiting during the weekend - is that a reasonable drive from Charlottesville on a Friday evening & Sunday afternoon, or wouldn't you recommend it?

Depart Friday 20th October at 1740 Washington Dulles (or if a fly from Charlottesville, then departure time is 1520). So

I'll have to make the Friday a half day and leave in good time.

Let me know what you recommend about the driving/flying options. Cheers

Tim

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Senior Research Associate I fax: +44 1603 507784

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University of East Anglia I <http://www.cru.uea.ac.uk/-timo/> Norwich NR4 7TJ I sunclock:

UK I <http://www.cru.uea.ac.uk/'timo/sunclock.htm>

From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@holocene.evsc.virginia.edu> Monday, June 19, 2000 12:06 PM

Tim Osborn

mann@virginia.edu

Re: visiting you

Hi Tim,

I did get the message. Thought I had responded, and I'm sorry if I hadn't.

I've definitely penciled in those dates on my calender and will make no other plans during that period. So please proceed, and keep in touch as we work out the details. I'm looking forward to your visit,

mike

At 04:44PM 6/19/00 +0100, you wrote:

>Mike,I'm not sure if the message below got to you as I used a strange  
>variant of your e-mail address! Anyway I'm back from my holiday now  
>and want to look into flights etc. Out centre clerk who does the  
>travel enquiries/bookings for us is away for 2 weeks from next Monday,  
>so I wanted her to look into it before she goes. Are you happy with  
>the dates we had pencilled in?

>

>-----

>I'm about to go on vacation (hence a hurried e-mail). I still have Oct  
>11-21pencilled in for visiting you. When I get back from my holiday  
>(19th  
>June) I'd like to book flights etc. Can you confirm the dates are  
>still fine with you and let me know about lodging etc. during the next 2-3 weeks?  
> We can then plan what work needs to be undertaken once the travel  
>details are out of the way.

>

>Thanks.

>

>Tim

>

>

>Dr Timothy J Osborn I phone: +44 1603 592089  
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>Climatic Research Unit I e-mail: t.osborn@uea.ac.uk  
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>Norwich NR4 7TJ I sunclock:

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>

>

>

Professor Michael E. Mann

12'1

Department of Environmental Sciences, Clark Hall

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e-mail: [mann@virginia.edu](mailto:mann@virginia.edu) Phone: (804) 924-7770 FAX:(804) 982-2137

<http://www.evsc.virginia.edu/faculty/people/mann.html>

Sent: To: Subject:

Monday, June 19, 2000 11:45 AM

[mann@virginia.edu](mailto:mann@virginia.edu)

Re: visiting you

Mike,I'm not sure if the message below got to you as I used a strange variant of your e-mail address! Anyway I'm back from my holiday now and want to look into flights etc. Out centre clerk who does the travel

enquiries/bookings for us is away for 2 weeks from next Monday, so I wanted her to look into it before she goes. Are you happy with the dates we had pencilled in?

I'm about to go on vacation (hence a hurried e-mail). I still have Oct 11-21 pencilled in for visiting you. When I get back from my holiday (19th

June) I'd like to book flights etc. Can you confirm the dates are still fine with you and let me know about lodging etc. during the next 2-3 weeks?

We can then plan what work needs to be undertaken once the travel details are out of the way. Thanks.

Tim

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UK I <http://www.cru.uea.ac.uk/-timo/sunclock.htm>

Sent:

To:

Subject:

Thursday, June 01, 2000 12:18 PM Michael E. Mann

Re: visiting you

Mike

I'm about to go on vacation (hence a hurried e-mail). I still have Oct 11-21 pencilled in for visiting you. When I get back from my holiday (19th June) I'd like to book flights etc. Can you confirm the dates are still fine with you and let me know about lodging etc. during the next 2-3 weeks?

We can then plan what work needs to be undertaken once the travel details are out of the way. Thanks.

Tim

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Norwich NR4 7TJ I sunclock:  
UK I <http://www.cru.uea.ac.uk/timo/sunclock.htm>

From: Sent: To:

Subject:

Scott Rutherford <[srutherford@virginia.edu](mailto:srutherford@virginia.edu)> Tuesday, May 09, 2000 10:21AM

Michael E. Mann; Tim Osborn

Re: visiting you

Tim and Mike,

The dates look fine to me.

-Scott

At 10:18 AM -0400 5/9/00, Michael E. Mann wrote:

>HI Tim,

>

>I'm ready to pencil that in then. Scott should give a holler if he sees

>any conflict w/ being around during that oh-so-nice time of year in

>these parts:)

>

>cheers,

>

>mike

>

>At 11:40 AM 5/9/00 +0100, Tim Osborn wrote:

» At 11:28 04/05/00 -0400, Michael E. Mann wrote:

»>How about Oct 11-21st (anything earlier wouldn't work well,since

»>I'll need some time after my Scripps visit for getting back on track)...

>>>

>>>Let me know how this sounds. Thanks,

>>

»Oct 11-21sounds great with me. Is that suitable for Scott too?

>>

»>I can help out w/ lodging, incidentals, etc. if you guys can cover travel.

>>

» Any such help will be greatly appreciated. I have enough in my travel

» budget to cover travel etc. I'll contact you to confirm everything

» prior to making any bookings though.

>>

» Regards

>>

» Tim

>>

>>

>>

>>

» Dr Timothy J Osborn

»Senior Research Associate

»Climatic Research Unit

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>>

>>

>>

>



> Professor Michael E.Mann  
> Department of Environmental Sciences, Clark Hall  
> University of Virginia  
> Charlottesville, VA 22903  
>

>e-mail: mann@virginia.edu Phone: {804} 924-7770 FAX: {804} 982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.html>

Scott Rutherford  
University of Virginia

e-mail:srutherford@virginia.edu phone: (804) 924-4669

Department of Environmental Sciences  
Clark Hall  
Charlottesville, VA 22903

fax: {804} 982-2137

<http://holocene.evsc.virginia.edu/> rutherfo

Sent: To: Subject:

Tuesday, May 09, 2000 6:41AM

Michael E. Mann;srutherford@virginia.edu

Re:visiting you

At 11:28 04/05/00-0400,Michael E. Mann wrote:

>How about Oct 11-21st (anything earlier wouldn't work well, since I'll

>need some time after my Scripps visit for getting back on track)...

>

>Let me know how this sounds.Thanks,

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Regards

Tim

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UK I <http://www.cru.uea.ac.uk/-timo/sunclock.htm>

Sent:

To:

Subject:

Thursday, May 04, 2000 4:41 AM

Michael E. Mann

Re: visiting you

At 11:52 01/05/00 -0400, you wrote:

>We're still working on the workshop. It has been approved by  
>PAGES/CLIVAR, but the timing is likely to be delayed, probably until  
>next spring. A visit in October, however, is still a possibility.

>

>I have a conference at Scripps Oct 4-6, but otherwise should be around.

>However, I will be somewhat busy teaching two courses next fall. Lets

>discuss possibilities... Mike,

The project that I'm working on finishes at the end of March 2001. I'm keen to visit you early enough to leave a few

months for carrying out any analyses etc. that we think would be of mutual interest. October would be best for me if we can fit a (2 week?) visit in. But just to let you know the full range of possibilities, here are the dates that I definitely

cannot come:

Oct 23-27 Hoping to attend the HIHOL meeting in Avignon.

Nov 21 (or sometime near then) Something important (can't remember what!). Dec 1 till the end of the year.

Sep ?? I hear there may be an AGU sponsored meeting in Portugal on the NAO (not sure if it's confirmed yet, nor

whether I'd be invited, but hope to go if it is and I am).

I hope this is flexible enough to find some convenient dates next fall. Best regards

Tim

Dr Timothy J Osborn I phone: +44 1603 592089

Senior Research Associate I fax: +44 1603 507784

Climatic Research Unit I e-mail: t.osborn@uea.ac.uk

School of Environmental Sciences I web-site:

University of East Anglia I <http://www.cru.uea.ac.uk/-timo/>

Norwich NR 4 7TJ I sunclock:

uK 1 <http://www.cru.uea.ac.uk/-timo/sunclock.htm>

150

- - - - -

Sent:

To:

Subject:

Friday, April 28, 2000 11:03 AM

Michael E. Mann

Re: visiting you (a response at last!)

Mike

How's things? Just wanted to touch base about the possibility of visiting you in October. I'm still very keen to do so and have set some travel money aside to cover costs etc. Can we start to make firmer plans yet?

I'm very likely to be in France for the week beginning Monday 23rd October, but I've kept the remainder of October free.

You mentioned the possibility of a workshop in Charlottesville. Is that a definite plan yet? Best regards

Tim

Dr Timothy J Osborn I phone: +44 1603 592089

Senior Research Associate I fax: +44 1603 507784

Climatic Research Unit I e-mail: t.osborn@uea.ac.uk

School of Environmental Sciences I web-site:

University of East Anglia I <http://www.cru.uea.ac.uk/timo/> Norwich NR4 7TJ I sunclock:

UK I <http://www.cru.uea.ac.uk/-timo/sunclock.htm>

From: Sent: To:

Subject:

Hans von Storch <h.vonstorch@phys.uu.nl> Monday, March 06, 2000 11:48 AM

Michael E. Mann

Re: meeting

I have spoken with Phil Jones today - we had some other business to talk about - and we agreed that they would like to participate (in particular Tim Osborn) but that CRU would not want to be among the organizers (and funders).

Let me know if I can be of help with PAGES & Co.

Hans

>Dear Hans,

>

>I've gotten in touch w/ Frank Oldfield at PAGES. Once I (hopefully) can

>get a positive response back from him, will then use that endorsement

>(very

>important) to seek NSF and NOAA support. More shortly...

>

>mike

>

>At 02:27 PM 3/6/00 +0100, you wrote:

» Mike,

» my colleague Joerg Negendank suggests that you contact Steve Colemann

>>at NSF.

>>

>>Hans

>>

>>Hans von Storch

>>

» (until 31. March 2000)

» Institute for Marine and Atmospheric Research Utrecht (IMAU)

» Princetonplein 5, PO Box 80 005, NL 3508 TA Utrecht, The Netherlands

» <http://w3g.gkss.de/staff/storch>

» fax: +3130 254 3163, phone: +3130 253 3182

» private: Essenkamp 20, 3732 De Bilt, +3130 220 0863

>>

» New book:

» Stehr, N., and H. von Storch (Eds.), 2000: Eduard Bruckner - The

» Sources and Consequences of Climate Change and Climate Variability in

» Historical Times. Kluwer Publisher ISBN 0-7923-6128-8, 338 pp.

>>

>>

>>

>>

>

> Professor Michael E. Mann

> Department of Environmental Sciences, Clark Hall

> University of Virginia

> Charlottesville, VA 22903

>

> e-mail: [mann@virginia.edu](mailto:mann@virginia.edu) Phone: (804) 924-7770 FAX: (804) 982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.html>

Hans von Storch

(until 31. March 2000)

Institute for Marine and Atmospheric Research Utrecht (IMAU) Princetonplein 5, PO Box 80 005, NL 3508 TA Utrecht, The Netherlands <http://w3g.gkss.de/staff/storch>

fax: +31 30 254 3163, phone: +31 30 253 3182 private: Essenkamp 20, 3732 De Bilt, +31 30 220 0863

New book:

Stehr, N., and H. von Storch (Eds.), 2000: Eduard Bruckner - The Sources and Consequences of Climate Change and

Climate Variability in Historical Times. Kluwer Publisher ISBN 0-7923-6128-8, 338 pp.

From: Sent: To:

Cc:

Subject:

Tim Osborn <t.osborn@uea.ac.uk> Monday, February 21, 2000 4:50AM Michael E. Mann  
k.briffa@uea;p.jones@uea

Re: visiting you (a response at last!)

At 17:14 19/02/00 -0500, you wrote:

- >I'd like to suggest another possibility. Hans von Storch and I are
- >attempting to organize an international workshop on paleoclimate
- >reconstruction to be held in Charlottesville next October. More details
- >should be making your/Keith's way soon, after we've had some time to
- >the interest from funding agencies, etc. Perhaps you could visit before or after that? Mike,



that sounds like an interesting workshop. Yes,I could come over for a couple of weeks, encompassing the workshop and

some time before or after.

The only things I have pencilled in for the autumn (sorry, fall!) are the AGU/Chapman conference on the NAO that

Hurrell,Kushnir and Visbeck are organising (not yet confirmed,but likely to be late September,maybe in Portugal) and something in mid November. So October looks good. Cheers

Tim

Dr Timothy J Osborn I phone: +44 1603 592089

Senior Research Associate I fax: +44 1603 507784

Climatic Research Unit I e-mail: t.osborn@uea.ac.uk

School of Environmental Sciences I web-site:

University of East Anglia I <http://www.cru.uea.ac.uk/timo/>

Norwich NR4 7TJ I sunclock:

UK I <http://www.cru.uea.ac.uk/-timo/sunclock.htm>

From: Sent: To:

Subject:

Michael E. Mann <mann@virginia.edu> Saturday, February 19, 2000 12:15 PM Tim Osborn

Re: visiting you (a response at last!)

Dear Tim,

Thanks for your message. I think we're all quite busy, and the initial dates we had discussed are also becoming relatively inconvenient for me also.

I'd like to suggest another possibility. Hans von Storch and I are attempting to organize an international workshop on paleoclimate reconstruction to be held in Charlottesville next October. More details should be making your/Keith's way soon, after we've had some time to the interest from funding agencies, etc. Perhaps you could visit before or after that?

let me know, mike

At 04:44 PM 2/14/00 +0000, you wrote:

>Mike,

>

>Sorry, Mike, to leave things hanging in the air about my visit. Almost

>as soon as I suggested some dates (back in December), some possible

>conflicts arose and weren't finalised until January. Then I've just

>had a hectic few weeks writing (with Keith B.) a consortium proposal

>for 12 European/Russian institutes which we sent off to the EU today.

>

>So, back to my visit. Unfortunately my suggestion of attending the AGU

>meeting and then visiting you for 2 weeks in early June is not possible.

>That leaves two alternatives: (i) I could attend the Asheville AMS

>meeting May 8-11, then spend a week with you after that; or (ii) I

>could visit later in the year, maybe coinciding with a conference, maybe not.

>

>The first alternative has the disadvantage that I only spend a week in

>Virginia (and it sounds like a busy time for you), but has the

>advantage that I have a talk accepted for the AMS meeting (although I

>haven't registered yet, so can pull out) and it enables us to start

>collaborative work sooner. The main disadvantage of the second

>alternative is that it pushes things back further. I could make a

>couple of weeks during the first three weeks in July- if not then we'd be looking at September onwards.

>

>So, what do you think/prefer? I promise to reply more promptly this time!

>

>Cheers

>

>Tim

>

>

>

>Dr Timothy J Osborn      I phone: +44 1603 592089

>Senior Research Associate   I fax: +44 1603 507784

>Climatic Research Unit      I e-mail: t.osborn@uea.ac.uk

>School of Environmental Sciences   I web-site:

>University of East Anglia   I [http://www.cru.uea.ac.uk/"](http://www.cru.uea.ac.uk/)timo/

>Norwich NR4 7TJ      I sunclock:

>UK      I [http://www.cru.uea.ac.uk/ timo/sunclock.htm](http://www.cru.uea.ac.uk/timo/sunclock.htm)

>

>

>

From: Sent: To:

Subject:

Tim Osborn <t.osbom@uea.ac.uk> Monday, February 14, 2000 11:44 AM mann@virginia.edu  
visiting you (a response at last!)

Mike,

Sorry, Mike, to leave things hanging in the air about my visit. Almost as soon as I suggested some dates (back in December), some possible conflicts arose and weren't finalised until January. Then I've just had a hectic few weeks writing (with Keith B.) a consortium proposal for 12 European/Russian institutes which we sent off to the EU today.

So, back to my visit. Unfortunately my suggestion of attending the AGU meeting and then visiting you for 2 weeks in early June is not possible.

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that; or (ii) I could visit later in the year, maybe coinciding with a conference, maybe not.

The first alternative has the disadvantage that I only spend a week in Virginia (and it sounds like a busy time for you), but has the advantage that I have a talk accepted for the AMS meeting (although I haven't registered yet, so can pull out) and it enables us to start collaborative work sooner. The main disadvantage of the second alternative is that it pushes things back further. I could make a couple of weeks during the first three weeks in July - if not then we'd be looking at September onwards.

So, what do you think/prefer? I promise to reply more promptly this time! Cheers

Tim

Dr Timothy J Osborn I phone: +44 1603 592089

Senior Research Associate I fax: +44 1603 507784

Climatic Research Unit I e-mail: t.osborn@uea.ac.uk

School of Environmental Sciences I web-site:

University of East Anglia I <http://www.cru.uea.ac.uk/-timo/>

Norwich NR4 7TJ I sunclock:

UK I <http://www.cru.uea.ac.ukj-timo/sunclock.htm>

From: Sent: To: Cc:

Subject:

Malcolm Hughes <[mhughes@ltrr.arizona.edu](mailto:mhughes@ltrr.arizona.edu)> Tuesday, January 07, 2003 4:00 PM

Scott Rutherford

[ltrr.arizona.edu@douglass.ltrr.arizona.edu](mailto:ltrr.arizona.edu@douglass.ltrr.arizona.edu); Mike Mann; Raymond Bradley

Re: possible visit?

Dear Scott- It's now pretty certain that I will be out of town February 7-15, so I will not be around when you are in Arizona. I'm really sorry about this. I'm sure Fenbiao would be happy to see you, and that you might also be interested to see our lab and perhaps meet with others here such as Mike Evans, Dave Meko, Julie Cole and Jon Overpeck. I'd be happy to help with arrangements for your visit. Cheers, Malcolm Hughes  
Professor of Dendrochronology Laboratory of Tree-Ring Research University of Arizona Tucson, AZ 85721

520-621-6470

fax 520-621-8229

From: Sent: Subject:

[jto@U.Arizona.EDU](mailto:jto@U.Arizona.EDU)

Monday, July 10, 2000 12:33 PM I am on vacation

I am on travel and unable to immediately respond to your message. I will send a reply to you when I return.  
Thank you for your patience.

Jonathan Overpeck

From: Sent: Subject:

jto@UArizona.EDU

Monday, May 29, 2000 5:13 PM I am on vacation

I am on travel and unable to immediately respond to your message. I will send a reply to you when I return.  
Thank you for your patience.

Jonathan Overpeck

From:

Sent:

To:

mann@snow.geo.umass.edu Monday, March 13, 2000 2:42 PM mann@virginia.edu

>From eakin@ogp.noaa.gov Thu Feb 10 10:32 EST 2000

Received: from hulkhovis.rdc.noaa.gov (root@hulkhovis.rdc.noaa.gov [140.90.27.66])

by snow.geo.umass.edu (8.9.1/8.9.1) with ESMTP id KAA24040

for <mike@snow.geo.umass.edu>;Thu,10 Feb 2000 10:32:38 -0500 (EST) Received:from ogp.noaa.gov (quickmail.ogp.noaa.gov (140.90.171.10))

by hulkhovis.rdc.noaa.gov (8.9.3/8.9.3) with ESMTP id KAA05252; Thu,10 Feb 2000 10:41:14 -0500 (EST)

Received: from [140.90.171.21] by quickmail.ogp.noaa.gov

with SMTP (QuickMail Pro Server for Mac 2.0.1); 10-Feb-2000 10:40:25 -0500

Date:10 Feb 2000 10:40:27 -0500

Message-ID: <-1261943307eakin@ogp.noaa.gov> Sender: Mark Eakin <eakin@ogp.noaa.gov> From:Mark Eakin <eakin@ogp.noaa.gov>

Subject: New Director of NOAA Paleoclimatology Program

To:"Paleo-all" <:@hull<hovis.rdc.noaa.gov> X-Mailer: QuickMail Pro 2.0.4 (Mac }

X-Priority: 3

MIME-Version: 1.0

Reply-To:Mark Eakin <eakin@ogp.noaa.gov> Content-Transfer-Encoding:8bit

X-MIME-Autoconverted: from quoted-printable to 8bit by snow.geo.umass.edu id KAA24040

Content-Type: text/plain; charset="US-Ascii" Content-Length: 1907

Status: RO

Most of you have been in my address book long enough that you recall the "Paleo-grams" that I used to send out to the community with news on Announcements of Opportunity, funding, programmatic changes and other news of interest to the paleoclimate community. My apologies that some of your e-mail addresses may be old as I have been away from work with the paleoclimate community for a few years.

The news in this message is that I have just accepted the position of Chief of NOAA Paleoclimatology Program and Director of the World Data Center for Paleoclimatology at the National Geophysical Data Center in Boulder. I will be filling the vacancy that was created when Jonathan Overpeck left NOAA for the University of Arizona.

I am excited to be directly involved with paleoclimatology again after serving for the last few years as program manager for Climate Dynamics and Experimental Prediction. I am equally excited about working with many of you again as we move the paleoclimatology program into some new and exciting directions.

While my new position will be effective almost immediately, I will be traveling back and forth between Silver Spring and Boulder until I move permanently in June. During that time I will finish up my OGP responsibilities and will be working my way into the duties at NGDC.

My e-mail is mark.eakin@noaa.gov. That address will move with me to Boulder, so you may update your address books now.

Cheers, Mark

C. Mark Eakin, Ph.D.

Chief of NOAA Paleoclimatology Program and Director of the World Data Center for Paleoclimatology

Currently at:

NOAA/Global Programs, 1100 Wayne Ave., Suite 1210 Silver Spring, MD USA 20910-5603

Voice: 301-427-2089 ext. 109      Fax: 301-427-2073

Internet: mark.eakin@noaa.gov

By July 1:

National Geophysical Data Center

325 Broadway E/GC Boulder, CO 80303

Voice: 303-497-6172 Fax: 303-497-6513

Sent To: Subject:

Sunday, October 21, 2001 7:49 PM Michael E. Mann

Re: CONFIDENTIAL



<x-flowed>

roger, thx

Jonathan T. Overpeck

Director, Institute for the Study of Planet Earth Professor, Department of Geosciences

Mail and Fedex Address:

Institute for the Study of Planet Earth

715 N. Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721

direct tel: +1 520 622-9065 fax: +1 520 792-8795

<http://www.geo.arizona.edu/Faculty/Pages/Overpeck.J.html>

<http://www.ispe.arizona.edu/>

</x-flowed>

Sent:

To:

Subject:

Tuesday, February 13, 2001 3:22 PM Michael E. Mann

Re: Fwd: CUVAR presentations for USGCRP seminar

a whole generation's potential up in smoke...

Jonathan T.Overpeck

Director,Institute for the Study of Planet Earth Professor, Department of Geosciences

Mail and Fedex Address:

Institute for the Study of Planet Earth

715 N.Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721

direct tel: +1520 622-9065 fax: +1520 792-8795 [http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html)  
<http://www.ispe.arizona.edu/>

Sent To: Subject:

Tuesday, February 13, 20013:08 PM Michael E. Mann

Re: Fwd: CUVAR presentations for USGCRP seminar

He does have that 60's look... think how smart he could have been.

Jonathan T.Overpeck

Director,Institute for the Study of Planet Earth Professor,Department of Geosciences

Mail and Fedex Address:

Institute for the Study of Planet Earth

715 N. Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721

direct tel:+1520 622-9065 fax:+1520 792-8795 [http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html)  
<http://www.ispe.arizona.edu/>

Sent:

To:

Subject:

Tuesday, February 13, 2012:12 PM Michael E. Mann

Re: USGCRP Seminars

you dog, you....

Jonathan T. Overpeck

Director, Institute for the Study of Planet Earth Professor, Department of Geosciences

Mail and Fedex Address:

Institute for the Study of Planet Earth

715 N. Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721

direct tel: +1 520 622-9065

fax: +1520 792-8795 [http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html) <http://www.ispe.arizona.edu/>

Sent:

To:

Subject:

Friday, December 08, 2000 1:52 PM Michael E. Mann

Re: quick factoid

thx! Peck

Jonathan T. Overpeck

Director, Institute for the Study of Planet Earth Professor, Department of Geosciences

Maii/Fedex address:

Institute for the Study of Planet Earth

715 N. Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721

Direct tel: +1520 622-9065

Admin. Assistant: tel: +1520 622-9062

Fax: +1520 792-8795 [http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html) <http://www.ispe.arizona.edu/>

Sent: To: Subject: Thursday, December 07, 2000 8:36 PM

mann@multiproxy.evsc.virginia.edu quick tactoid

Mike - I'm working on my poster for agu and am limping along without my main computer- the one that has the final full EI citation. Can you send it again? Thx! Peck Jonathan T. Overpeck Director, Institute for the Study of Planet Earth Professor, Department of Geosciences

Maii/Fedex address:

Institute for the Study of Planet Earth

715 N.Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721

Direct tel: +1520 622-9065

Admin. Assistant: tel:+1520 622-9062

Fax: +1520 792-8795 [http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html) <http://www.ispe.arizona.edu/>

From: Sent: To:

Cc:

Subject:

Keith et al

Mark Cane <mcane@ldeo.columbia.edu> Friday, November 10, 2000 4:32 PM

Keith Alverson; Jonathan Overpeck; Jean Claude Duplessy; abeouchi@ccsr.u-tokyo.ac.jp; Keith Briffa; martin.claussen@pik-potsdam.de; Julia Cole; michael.gagan@anu.edu.au; syUous@asterix.saclay.cea.fr; jouzel@lsce.saclay.cea.fr; mann@virginia.edu; Thomas Stocker; Andreas Villwock

John Gould; tonyb@essic.umd.edu; Carson\_D@gateway.wmo.ch

Re: clivar/pages working group meeting July 14, 2001 Amsterdam

I have just learned of a wedding I MUST go to in the US on July 14. So I can't make the Pages/Ciivar meetng. iwill have to consider whether to go to Amsterdam at all.

Best

Mark

From: Sent: To:

Subject:

Jonathan Overpeck <jto@u.arizona.edu> Friday, April 12, 2002 9:01PM

Michael E. Mann

Re: Your letter to Science

<x-flowed>

you the man... happy weekend, peck

Jonathan T. Overpeck

Director, Institute for the Study of Planet Earth Professor, Department of Geosciences

Mail and Fedex Address:

Institute for the Study of Planet Earth

715 N. Park Ave. 2nd Floor University of Arizona Tucson,AZ 85721

direct tel: +1520 622-9065

fax:+1520 792-8795 [http://www.geo.arizona.edu/Faculty\\_pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_pages/Overpeck.J.html) <http://www.ispe.arizona.edu/>

</x-flowed>

From: Sent: To:

Subject:

Michael E. Mann <mann@virginia.edu> Friday, April 12, 2002 4:11 PM

Jonathan Overpeck

Re: Your letter to Science

<html>

Thanks Peck,<br>

<br>

As always, your advice is much appreciated...Enjoy the weekend w/ the family,<br> <br> mike<br> <br> At 05:01PM

4/12/02 -0800, you wrote:<br> <blockquote type=cite class=cite cite>you the man... happy weekend, peck<br>

-- <br>





Thursday, November 15, 2001 5:18 PM Michael E. Mann

Re: Loose cannon!

<x-ffowed>

how nice...

Jonathan T. Overpeck

Director, Institute for the Study of Planet Earth Professor, Department of Geosciences

Mail and Fedex Address:

Institute for the Study of Planet Earth

715 N. Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721

direct tel: +1 520 622-9065 fax: +1 520 792-8795 [http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html)  
<http://www.ispe.arizona.edu/>

</x-flowed>

Sent:

To:

Subject:

Monday, April 23, 2001 5:05 PM Michael E. Mann

Re: thanks and a question

<x-flowed> Thank s!

Jonathan T.Overpeck

Director,Institute for the Study of Planet Earth Professor, Department of Geosciences

Mail and Fedex Address:

Institute for the Study of Planet Earth

715 N.Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721

direct tel: +1520 622-9065 fax: +1520 792-8795 [http://www.geo.arizona.edu/Faculty\\_Pages/OverpeckJ.html](http://www.geo.arizona.edu/Faculty_Pages/OverpeckJ.html)  
<http://www.ispe.arizona.edu/>

</x-flowed>

From: Sent: To:

Subject:

Lasse Dretvik <lasse.dretvik@c2i.net> Sunday,January 30, 2000 5:07 PM

Daminda Weerasinghe; solgunn solsvik; Rigmor Sivertsen; Martin Miles; Juerg  
Luterbacher; Signe Lian; Eystein Jansen; Hans Kristian; Daoyi Gong; Kathrine Falch;  
Oystein dretvik; Turid Dretvik; Deliang Chen; John.Arnfield@osu.edu; Raskol;  
mann@virginia.edu

Change of address

My current email address {lasse.dretvik@c2i.net) will expire shortly. Please address all future correspondence to lasse.dretvik@sensewave.com. Also, my CLJrrent web site will disappear after February 1st.

Best regards

Lasse Dretvik

From: Sent: To: Cc:

Subject:

Caspar Ammann <ammann@ucar.edu> Saturday, May 04, 2002 1:16 PM

Mike Mann

Brad Adams

Re: May 14-15

Follow Up Flag:

Flag Status:

Follow up

Flagged

<x-flowed> Mike and Brad,

I have my ticket and other visits in place. I plan to arrive in your area at some point on Monday the 13th. Is there a chance to have a first get together that afternoon maybe? Otherwise, the 14th (Tuesday) I have all day and both of you can say what time would fit best. Also, do you have any recommendations on a motel in the area that is more affordable than the DC area, or maybe you get some good University rates at a place where I could make a reservation.

Thanks and I'm looking forward to see you, Caspar

Michael E. Mann wrote:

>Hi Caspar,

>

>Yes, those dates would probably work. I'll put them down on my calendar.

>Brad:I assume you'll be around then? Please let me know otherwise ASAP.

>Thanks,

>

> mike

>

> On Sat, 20 Apr 2002, Caspar Ammann wrote:

>

>

» Mike and Brad,

» I could come roughly May 14 and 15 or even morning of the 16th. Would

»that work for you guys to catch up and work on the papers?

»Caspar

>>

Caspar M.Ammann

National Center for Atmospheric Research Climate and Global Dynamics Division- Paleoclimatology  
Advanced Study

Program

1850 Table Mesa Drive

Boulder,CO 80307-3000

email: ammann@ucar.edu    tel: 303-497-1705    fax: 303-497-1348

</x-flowed>

From: Sent: To: Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Saturday, May 04, 2002 4:10 PM

Caspar Ammann

Mike Mann; Brad Adams

Re: May 14-15

Follow Up Flag: Flag Status:

Follow up

Flagged

<x-flowed> HI Caspar,

Hi Caspar, so we're talking the 13th and 14th rather than 14th and 15th now? That sounds fine in any case--so lets then plan to meet the afternoon on the 13th, and then again all day on the 14th--I assume you're leaving on morning of the

15th? Also, are you flying into Charlottesville or into Washington DC (Dulles?). If the latter,I assume you're renting a

car? Its about a 2 hour drive south to Charlottesville.

I would recommend staying at the Red Roof Inn in Charlottesville both nights (13th and 14th). Its inexpensive, decent enough, and right in the center of the campus area. Go can make a reservation on-line here {there is also phone contact information and address provided):

<http://www.expedia.com/pub/agent.dll?gscr=dspv&itty=new&from=m&htid=18522&mtxt=&cad=1&&zz=1020542721>

400&

You can say you're here on business with the U.Va Environmental Sciences Dept., and I think they might have reduced rate-but its pretty cheap anyways.

Please let me know if there is anything we've forgotten.You can reach me on my cell phone {434} 825-3969 when you get into town,and I can give you directions to campus, or come and find you.

Please confirm the above info. Thanks, Mike

At 11:16 AM 5/4/02 -0600,Caspar Ammann wrote:

>Mike and Brad,

>

>I have my ticket and other visits in place. I plan to arrive in your  
>area at some point on Monday the 13th. Is there a chance to have a  
>first get together that afternoon maybe? Otherwise, the 14th (Tuesday)  
>I have all day and both of you can say what time would fit best. Also,  
>do you have any recommendations on a motel in the area that is more  
>affordable than the DC area, or maybe you get some good University  
>rates at a place where I could make a reservation.

>

>Thanks and I'm looking forward to see you,

>

>Caspar

>

>

>Michael E. Mann wrote:

>

»Hi Caspar,

»Yes, those dates would probably work. I'll put them down on my calender.

»Brad: I assume you'll be around then? Please let me know otherwise ASAP.

» Thanks,

»mike

» On Sat,20 Apr 2002,Caspar Ammann wrote:

>>

>>Mike and Brad,

>>I could come roughly May 14 and 15 or even morning of the 16th. Would

>>that work for you guys to catch up and work on the papers?

>>Caspar

>

>

>

>--

>Caspar M. Ammann

>National Center for Atmospheric Research Climate and Global Dynamics

>Division- Paleoclimatology Advanced Study Program

>1850 Table Mesa Drive

>Boulder, CO 80307-3000

>email:ammann@ucar.edu tel: 303-497-1705 fax: 303-497-1348

>

Professor Michael E. Mann

Department of Environmental Sciences, Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail: mann@virginia.edu Phone: (434) 924-7770 FAX: (434) 982-2137

<http://www.evsc.virginia.edu/faculty/people/mann.shtml>

</x-flowed>

From: Sent: To: Cc:

Subject;



Caspar Ammann <ammann@ucar.edu> Saturday, May 04, 2002 4:20 PM

Michael E. Mann

Brad Adams

Re: May 14-15

Follow Up Flag: Flag Status:

Follow up

Flagged

<x-flowed> Mike,

yeah,I'll be arriving already on Monday the 13th and will need to leave the 15th in the morning in order to get home in time for something similar to a wedding/child party we host here in Colorado... I'll be coming from even further North: Ray and a bunch of other places. I'll try to drive into Charlottesville probably early in the afternoon. If you give me a target time, I can make sure to hit it. 2 or 3 would probably be realistic.

A Red Roof Inn close to the campus is great. I'll make the reservations and if needed will refer to my visit with you. I

printed the map from your departments web site and could probably start wandering off to Clark Hall. But I can give you a call when I'm at the Motel.

Will be good to see you again, Caspar

Caspar M. Ammann

National Center for Atmospheric Research Climate and Global Dynamics Division - Paleoclimatology  
Advanced Study

Program

1850 Table Mesa Drive

Boulder, CO 80307-3000

email: ammann@ucar.edu    tel: 303-497-1705    fax: 303-497-1348

</x-flowed>

From: Sent: To:

Cc:

Subject:

Follow Up Flag: Flag Status:

<x-flowed> Thanks Caspar,

Michael E. Mann <mann@virginia.edu> Saturday, May 04, 2002 4:32 PM

Caspar Ammann

Michael E. Mann; Brad Adams

Re: May 14-15

Follow up

Flagged

That sounds great. We needn't fix a time--I'll probably be at work anyways, so you can just give me a call when you get into the area...

Looking forward to seeing you, Mike

At 02:20PM 5/4/02 -0600,Caspar Ammann wrote:

>Mike,

>

>yeah,I'll be arriving already on Monday the 13th and will need to

>leave the 15th in the morning in order to get home in time for

>something similar to a wedding/child party we host here in Colorado...

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<http://www.evsc.virginia.edu/faculty/people/mann.shtml>

</x-flowed>

From: Sent: To: Cc:

Subject:

Michael E. Mann <[mann@multiproxy.evsc.virginia.edu](mailto:mann@multiproxy.evsc.virginia.edu)>

Monday, May 13, 2002 5:55 PM Scott Rutherford [ammann@ucar.edu](mailto:ammann@ucar.edu); [mann@virginia.edu](mailto:mann@virginia.edu)

Guest Account?

Follow Up Flag: Flag Status:

Follow up

Flagged

<x-flowed> HIScott:

Caspar is visiting here for two days, and we'd like him to have access to holocene. Any way to fix him up w/ a guest account tomorrow morning?

Thanks in advance for any help you can provide, Mike

Professor Michael E. Mann

Department of Environmental Sciences, Clark Hall

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Charlottesville, VA 22903

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<http://www.evsc.virginia.edu/faculty/people/mann.shtml>

</x-flowed>

From: Sent: To:

Subject:

Caspar Ammann <[ammann@ucar.edu](mailto:ammann@ucar.edu)> Tuesday, May 14, 2002 2:48 PM

Michael E. Mann

solar paper

Follow Up Flag:

Flag Status:

Follow up

Flagged

Mike,

here is our initial solar manuscript in review in Atmospheric-,Solar and Terrestrial Physics (Elsevier). Caspar

Caspar M. Ammann

National Center for Atmospheric Research Climate and Global Dynamics Division- Paleoclimatology  
Advanced Study

Program

1850 Table Mesa Drive

Boulder, CO 80307-3000

email:ammann@ucar.edu    tel: 303-497-1705    fax: 303-497-1348

Attachment Converted:"C:\WINDOWS\DESKTOP\Attach\final\_complete\_with\_fig.pdf'

From: Sent:

Subject:

alerts@agu.org on behalf of AGU E-Aiert Application <alerts@agu.org> Wednesday, May 15, 2002 12:52 AM

New issue of JGR - Atmospheres - Vol. 107, No. 8

Follow Up Flag:

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Follow up

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The table of contents for the latest issue of JGR- Atmospheres is now available! The articles are available online.

An abbreviated table of contents follows.

The full table of contents for Volume 107, Number 8 is now available on AGU's website at:

[http://www.agu.org/pubs/toc/jd/id107\\_8.html](http://www.agu.org/pubs/toc/jd/id107_8.html)

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American Geophysical Union (<http://www.agu.org>)

===== JGR - Atmospheres - Vol. 107, No. 8 =====

27 April 2002

Yang, Fanglin;Schlesinger, Michael E.

On the surface and atmospheric temperature changes following the 1991 Pinatubo volcanic eruption: A GCM study

10.1029/2001JD000373

30 April 2002

Klouda, George A.; Lewis, Charles W.; Stiles, David C.; Marolf, Julie L.; Ellenson, William D.; Lonneman, William A. Biogenic contributions to atmospheric volatile organic compounds in Azusa, California

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27 April 2002

Ammann, C.; Meixner, F.

Stability dependence of the relaxed eddy accumulation coefficient for various scalar quantities

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Chen, Ting; Rossow, William B.

Determination of top-of-atmosphere longwave radiative fluxes: A comparison between two approaches using ScaRaB

data



10.1029/2001JD000914

27 April 2002

Kavouras, Ilias G.;Stephanou, Euripides G.

Particle size distribution of organic primary and secondary aerosol constituents in urban, background marine,and forest atmosphere

10.1029/2000JD000278

26 April 2002

Wilson,S. R.; Forgan, B. W.

Aerosol optical depth at Cape Grim,Tasmania,1986-1999

10.1029/2001JD000398

26 April 2002

Warneke,C.; Luxembourg, S. L.; de Gouw,J. A.; Rinne,H. J. 1.; Guenther,A. B.;Fall, R.

Disjunct eddy covariance measurements of oxygenated volatile organic compounds fluxes from an alfalfa field before and after cutting

10.1029/2001JD000594

26 April 2002

Trenberth, Kevin E.;Stepaniak, David P.;Caron,Julie M. Interannual variations in the atmospheric heat budget

10.1029/2000JD000297

25 April 2002

Trenberth, Kevin E.;Caron,Julie M.;Stepaniak, David P.;Worley,Steve Evolution of El Niño-Southern Oscillation and global atmospheric surface temperatures

10.1029/2000JD000298

24 April 2002

Fischer, H.;Brunner,D.; Harris,G. W.;Hoor, P.; Lelieveld, J.; McKenna,D.S.;Rudolph,J.; Scheeren, H. A.;Siegmund, P.; Wernli, H.; Williams,J .; Wong,S.

Synoptic tracer gradients in the upper troposphere over central Canada during the Stratosphere-Troposphere Experiments by Aircraft Measurements 1998 summer campaign

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Bregman, A.;Krol, M. C.; Teyssedre, H.; Norton, W. A.; Iwi, A.; Chipperfield, M.; Pitari,G.;Sundet,J. K.; Lelieveld,J. Correction to "Chemistry-transport model comparison with ozone observations in the midlatitude lowermost stratosphere" by A. Bregman et al.

10.1029/2001JD001370

23 April 2002

Riggin, Dennis M.;Kudeki, Erhan;Feng, Zhaomei;Sarango,Martin F.; Lieberman, Ruth S.

Jicamarca radar observations of the diurnal and semidiurnal tide in the troposphere and lower stratosphere

10.1029/2001JD001216

23 April 2002

Greene,Arthur M.;Seager, Richard;Broecker,Wallace S.

Tropical snowline depression at the Last Glacial Maximum:Comparison with proxy records using a single-cell tropical climate model

10.1029/2001JD000670

19 April 2002

Frost,G. J.; Fried,A.; Lee, Y.-N.; Wert, B.;Henry, B.; Drummond, J.

R.;Evans,M. J.; Fehsenfeld,F. C.; Goldan,P.D.;Holloway,J. S.;Hubler,G.;Jakoubek, R.;Jobson, B. T.; Knapp, K.; Kuster, W.C.; Roberts,J.; Rudolph,J.; Ryerson,T.B.;Stohl,A.; Stroud, C.; Sueper,D. T.;Trainer,M.; Williams,J.

Comparisons of box model calculations and measurements of formaldehyde from the 1997 North Atlantic Regional

Experiment

10.1029/2001JD000896

18 April 2002

## References

1. <http://www.agu.org/pubs/inpress.html>
2. <http://www.agu.org/pubs/pubs.html>
3. <http://www.agu.org/>

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American Geophysical Union (<http://www.agu.org>)

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data

10.1029/2001J0000914

27 April 2002

Kavouras, Ilias G.; Stephanou, Euripides G.

From: Sent: To: Cc:

Subject:

John Christy <john.christy@nsstc.uah.edu>

Monday, June 04, 2001 8:51 AM Malcolm K. Hughes

Michael E. Mann; tom crowley; ckfolland@meto.gov.uk; pjones@uea.ac.uk;

tkarl@ncdc.noaa.gov; Scott Rutherford; rbradley@geo.umass.edu

Thanks Malcolm

Thanks Malcolm

I understand from family legend that Christy is Irish while Christie is Scottish (paleonomenology?).

I'll be out of town this week, but I'll take your thoughtful message with me to ponder a response. I appreciate your time. John C.

Malcolm K. Hughes wrote:

> Apologies for mis-spelling John's last name, Malcolm

>

>

\*\*\*\*\*

John R. Christy

Director, Earth System Science Center voice: 256-961-7763

Professor, Atmospheric Science fax: 256-961-7751

Alabama State Climatologist University of Alabama in Huntsville  
<http://www.atmos.uah.edu/atmos/christy.html>

Mail: University of Alabama in Huntsville, Huntsville AL 35899

Express: NSSTC/ESSC 320 Sparkman Dr., Huntsville AL35805

From: Sent: To:

Cc:

Subject:

Scott Rutherford <[srutherford@virginia.edu](mailto:srutherford@virginia.edu)> Friday, May 18, 2001 8:38 AM

Michael E. Mann; Malcolm K. Hughes

Scott Rutherford; [rbradley@geo.umass.edu](mailto:rbradley@geo.umass.edu); [mann@virginia.edu](mailto:mann@virginia.edu) re: Amherst

<x-flowed>

Monday morning works for me. Can someone send me directions from the Mass pike? Thanks,

Scott

At 5:19PM -0400 5/17/01, Michael E. Mann wrote:

>hi malcolm,

>

>thanks--actually, i realize there may have been miscommunication

>anyways. I leave amherst \*on\* tuesday morning, so this is much better!

>So monday morning, around 11am, perhaps meet at Raos. Ray,Scott?

>

>mike

>

>At 11:38 AM 5/17/01-0700,you wrote:

»Dear Mike - as you will recall, we are scheduled to meet with Scott

»and Ray in Amherst on Tuesday morning. As it turned out,Ray had flu

»and so did not go to China this week. Therefore, so far as he is

»concerned, we could equally well meet on Monday. If this would work

»for you and Scott (perhaps starting at 11 or

»12) it would be really helpful for me, because I could probably get

»home a day earlier,and, as always,I am horribly overcommitted. What

»do you think? Cheers,Malcolm

>

>

> Professor Michael E. Mann

> Department of Environmental Sciences,Clark Hall

> University of Virginia

> Charlottesville, VA 22903

>

—

>e-mail:mann@virginia.edu Phone:(804) 924-7770 FAX:(804) 982-2137

> <http://www.evsc.virginia.edu/facultyIpeople/mann.shtml>



Scott Rutherford

University of Virginia          University of Rhode Island

Environmental Sciences Graduate School of Oceanography Clark Hall          South Ferry Road  
Charlottesville, VA 22903          Narragansett, RI 02882 srutherford@virginia.edu  
srutherford@gso.uri.edu phone: (804) 924-4669 (401) 874-6599

fax: (804) 982-2137 (401) 874-6160

</x-flowed>

From: Sent: To: Cc:

Subject;

Michael E. Mann <mann@virginia.edu> Thursday, May 17, 2005:19PM Malcolm K. Hughes  
Scott Rutherford;rbradley@geo.umass.edu; mann@virginia.edu re: Amherst

<x-flowed>

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>Malcolm

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<http://www.evsc.virginia.edu/faculty/people/mann.shtml>

</x-flowed>

From: Sent: To:

Subject:

Malcolm K. Hughes <mhughes@ltrr.arizona.edu> Thursday, May 17, 20012:38 PM

Michael E. Mann

re: Amherst

Dear Mike- as you will recall, we are scheduled to meet with Scott and Ray in Amherst on Tuesday morning. As it turned out, Ray had flu and so did not go to China this week. Therefore, so far as he is concerned, we could equally well meet

on Monday. If this would work for you and Scott (perhaps starting at 11 or

12) it would be really helpful for me, because I could probably get home a day earlier, and, as always, I am horribly overcommitted. What do you think? Cheers, Malcolm

Cc:

Subject







Subject:

Rowena Scott <res4f@virginia.edu> Thursday, October 12, 2000 9:54 AM Michael E. Mann

Re:Red RoofInn

His bill has been corrected, so it should no longer be charged to his credit card and the reservation for 10/15-10/20 has also been changed.

When every you call the Red Roof Inn to make a reservation make sure to give them our Account number CP508329 and it will automatically come to the department for payment. Thanks Row.

"Michael E. Mann" wrote:

>

>Dear Rowena,

>

> There appears to be some confusion w/ the Red Roof Inn. You'll recall  
>that last week I asked that they be provided billing information to my  
>grant for Tim Osborn who is spending several days there (I left you a  
> message and didn't hear back from you, so I assumed that the  
>arrangements had been made). When Tim checked in, they didn't seem to  
>know that the billing had already been pre-arranged.Can you please  
> look into this ASAP? Thanks,

>

>mike

>

> Professor Michael E. Mann  
> Department of Environmental Sciences,Clark Hall  
> University of Virginia

> Charlottesville, VA 22903

>

> e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX:(804) 982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Friday, October 06, 2000 2:32 AM

Tim Osborn

Michael E. Mann

Re: my visit

Hi Tim,

greetings (from San Diego),

that all sounds good. Yes, Red Roof Inn is near the corner of Main Street and Emmet/Route 29, so the map might have been confusing in that respect...

Just come by any time wednesday morning. I don't teach that day, so I'll be around my office most of the day.



Re: the forecast. That sounds a bit odd. I wouldn't expect low temperatures below 10C/SOF in early/mid October, so the numbers don't sound quite right.

Temperatures in the 80s F/20sC are quite possible in October. You should definitely bring a light jacket and sweater, but you shouldn't need anything heavier than that.

let me know if there's anything else I can help with. Talk to you soon, mike

At 04:59 PM 10/5/00 +0100, Tim Osborn wrote:

>At 10:04 03/10/00 -0400, you wrote:

»Some good news and some bad news. Your reservation is booked at the

» Red Roof Inn in Charlottesville for check in on Oct 10th, and

» departure on Oct 20th.

»Please let me know if I don't have these dates right.

>

>These dates are fine.

>

»The Red Roof Inn is located at 1309 W Main Street in Charlottesville,

» right near the university, and their number is 295-4333. You should

» let me know if you have any problems finding your way to

» Charlottesville, etc. (as I remember, you are renting a car at the Airport, and driving in, right?).

>

>Driving should be no problem, though when I clicked on "map" on the

>RedRoofInn website it showed me a map of Charlottesville with a "\*"

>centred on Emmet Street not West Main Street. It confused me for a

>while, but I've sorted it out now. On Wednesday morning, I'll just

>come to Clark Hall (between Cabell Dr. and McCormick Rd.?) and ask for

>you (Scott is away for a few days, I seem to recall). Let me know if

>this isn't right, or if there is a particularly convenient time that I should arrive.

>

»{1) Charlottesville will not

» be a fun place to be at that time and {2) All the hotel rooms for the

» nights of 13th/14th have been sold out for months, and I was unable to

» reserve a room for you for those two nights.

>

> I've checked with my friends in Tennessee and will drive down to see

> them for the weekend. Thanks for the offer of your spare room though.

>

> I final question - if you have time- what weather/temperatures should

> I expect. The current forecast seems to be varying from 2 deg C

> night to

> 27 deg C during the day - is it really such a big range?

>

> Looking forward to next week.

>

> Tim

>

>

> Dr Timothy J Osborn      I phone: +44 1603 592089

> Senior Research Associate    I fax: +44 1603 507784

> Climatic Research Unit      I e-mail: t.osborn@uea.ac.uk

> School of Environmental Sciences    I web-site:

> University of East Anglia    I <http://www.cru.uea.ac.uk/timo/>

> Norwich NR4 7TJ    I sunclock:

> UK    I <http://www.cru.uea.ac.uk/timo/sunclock.htm>

>

>

>

Professor Michael E. Mann

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From: Sent: To: Cc:

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Michael E. Mann <[mann@virginia.edu](mailto:mann@virginia.edu)> Thursday, October 05, 2000 10:32 PM Tim Osborn

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>Looking forward to next week.

>

>Tim

>

>

>Dr Timothy J Osborn      1 phone: +44 1603 592089

>Senior Research Associate   I fax: +44 1603 507784

>Climatic Research Unit      I e-mail: t.osborn@uea.ac.uk

>School of Environmental Sciences   I web-site:

>University of East Anglia   I <http://www.cru.uea.ac.uk/>"timo/

>Norwich NR4 7TJ   I sunclock:

>UK   I <http://www.cru.uea.ac.uk/>"timo/sunclock.htm

>

>

>

Sent:

To:

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27 deg C during the day - is it really such a big range? Looking forward to next week.

Tim

Dr Timothy J Osborn I phone: +44 1603 592089

Senior Research Associate I fax: +44 1603 507784

Climatic Research Unit I e-mail: t.osborn@uea.ac.uk

School of Environmental Sciences I web-site:

University of East Anglia I <http://www.cru.uea.ac.uk/timo/> Norwich NR4 7TJ I sunclock:

UK I <http://www.cru.uea.ac.uk/timo/sunclock.htm>

Sent:

To:

Subject:

Tuesday, October 03, 2000 11:46 AM Michael E. Mann

Re: my visit

A quick reply as I'm about to leave. (1) Thanks for the hotel info. (2) Thanks for the offer of weekend accomodation - I'll let you know.(3) I had wondered about visiting my friends in NE Tennessee during the weekend, but they mentioned something about major roadworks on the Interstate down to NE Tennessee -do you know if they're still ongoing and whether they'd slow a journey down by much? That'll be a major factor in deciding whether to make the drive on Friday

& Sunday evenings.

Cheers

Tim

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UK I <http://www.cru.uea.ac.uk/--timo/sunclock.htm>

Sent: To: Subject:

Friday, June 30, 2000 6:34 AM Michael E. Mann

Re: Osborn et al clim dyn 99 reprint

At 15:54 29/06/00 -0400, you wrote:

>Can you send me out a reprint:

>p.s. please also send any related recent work. Thanks, Mike

I've put some reprints in the post to you today.

For my visit, the most suitable flights appear to be:

Arrive Tues 10th October at 1540 Washington Dulles. Then I have the option of flying to Charlottesville (depart 1715, arrive 1802), or picking up a hire car and driving. Is the drive reasonable? If I'd need a car during my stay



then that might also be the cheapest option. If not then flying would be. I also have some friends in Johnson City (NE Tennessee) that I thought about visiting during the weekend - is that a reasonable drive from Charlottesville on a Friday evening & Sunday afternoon, or wouldn't you recommend it?

Depart Friday 20th October at 1740 Washington Dulles (or if a fly from Charlottesville, then departure time is 1520). So

I'll have to make the Friday a half day and leave in good time.

Let me know what you recommend about the driving/flying options. Cheers

Tim

Dr Timothy J Osborn I phone: +44 1603 592089

Senior Research Associate I fax: +44 1603 507784

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University of East Anglia I <http://www.cru.uea.ac.uk/-timo/> Norwich NR4 7TJ I sunclock:

UK I <http://www.cru.uea.ac.uk/>"timo/sunclock.htm

From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@holocene.evsc.virginia.edu> Monday, June 19, 2000 12:06 PM

Tim Osborn

mann@virginia.edu

Re: visiting you

Hi Tim,

I did get the message. Thought I had responded, and I'm sorry if I hadn't.

I've definitely penciled in those dates on my calender and will make no other plans during that period. So please proceed, and keep in touch as we work out the details. I'm looking forward to your visit,

mike

At 04:44PM 6/19/00 +0100, you wrote:

>Mike,I'm not sure if the message below got to you as I used a strange  
>variant of your e-mail address! Anyway I'm back from my holiday now  
>and want to look into flights etc. Out centre clerk who does the  
>travel enquiries/bookings for us is away for 2 weeks from next Monday,  
>so I wanted her to look into it before she goes. Are you happy with  
>the dates we had pencilled in?

>

>-----

>I'm about to go on vacation (hence a hurried e-mail). I still have Oct  
>11-21pencilled in for visiting you. When I get back from my holiday  
>(19th  
>June) I'd like to book flights etc. Can you confirm the dates are  
>still fine with you and let me know about lodging etc. during the next 2-3 weeks?  
> We can then plan what work needs to be undertaken once the travel  
>details are out of the way.

>

>Thanks.

>  
>Tim  
>  
>  
>Dr Timothy J Osborn      I phone: +44 1603 592089  
>Senior Research Associate I fax: +44 1603 507784  
>Climatic Research Unit    I e-mail: t.osborn@uea.ac.uk  
>School of Environmental Sciences I web-site:  
>University of East Anglia   I <http://www.cru.uea.ac.uk/'timo/>  
>Norwich NR4 7TJ    I sunclock:  
>UK    I <http://www.cru.uea.ac.uk/'timo/sunclock.htm>  
>  
>  
>

Professor Michael E. Mann

12'1

Department of Environmental Sciences, Clark Hall

University of Virginia

Charlottesville,VA 22903

e-mail: [mann@virginia.edu](mailto:mann@virginia.edu) Phone: (804) 924-7770 FAX:(804) 982-2137  
<http://www.evsc.virginia.edu/faculty/people/mann.html>

Sent: To: Subject:

Monday, June 19, 2000 11:45 AM

mann@virginia.edu

Re: visiting you

Mike, I'm not sure if the message below got to you as I used a strange variant of your e-mail address! Anyway I'm back from my holiday now and want to look into flights etc. Our centre clerk who does the travel enquiries/bookings for us is away for 2 weeks from next Monday, so I wanted her to look into it before she goes. Are you happy with the dates we had pencilled in?

I'm about to go on vacation (hence a hurried e-mail). I still have Oct

11-21 pencilled in for visiting you. When I get back from my holiday (19th

June) I'd like to book flights etc. Can you confirm the dates are still fine with you and let me know about lodging etc. during the next 2-3 weeks?

We can then plan what work needs to be undertaken once the travel details are out of the way. Thanks.

Tim

Dr Timothy J Osborn I phone: +44 1603 592089

Senior Research Associate I fax: +44 1603 507784

Climatic Research Unit I e-mail: t.osborn@uea.ac.uk

School of Environmental Sciences I web-site:

University of East Anglia I <http://www.cru.uea.ac.ukj-timo/> Norwich NR4 7TJ I sunclock:

UK I <http://www.cru.uea.ac.uk/-timo/sunclock.htm>

Sent:

To:

Subject:

Thursday, June 01, 2000 12:18 PM Michael E. Mann

Re: visiting you

Mike

I'm about to go on vacation (hence a hurried e-mail). I still have Oct 11-21 pencilled in for visiting you. When I get back from my holiday (19th June) I'd like to book flights etc. Can you confirm the dates are still fine with you and let me know about lodging etc. during the next 2-3 weeks?

We can then plan what work needs to be undertaken once the travel details are out of the way. Thanks.

Tim

Dr Timothy J Osborn I phone: +44 1603 592089  
Senior Research Associate I fax: +44 1603 507784  
Climatic Research Unit I e-mail: t.osborn@uea.ac.uk  
School of Environmental Sciences I web-site:  
University of East Anglia I <http://www.cru.uea.ac.uk/-timo/>  
Norwich NR4 7TJ I sunclock:  
UK I <http://www.cru.uea.ac.uk/timo/sunclock.htm>

From: Sent: To:

Subject:

Scott Rutherford <[srutherford@virginia.edu](mailto:srutherford@virginia.edu)> Tuesday, May 09, 2000 10:21AM

Michael E. Mann; Tim Osborn

Re: visiting you

Tim and Mike,

The dates look fine to me.

-Scott

At 10:18 AM -0400 5/9/00, Michael E. Mann wrote:

>HI Tim,

>

>I'm ready to pencil that in then. Scott should give a holler if he sees

>any conflict w/ being around during that oh-so-nice time of year in

>these parts:)

>

>cheers,

>

>mike

>

>At 11:40 AM 5/9/00 +0100, Tim Osborn wrote:

» At 11:28 04/05/00 -0400, Michael E. Mann wrote:

»»How about Oct 11-21st (anything earlier wouldn't work well,since

»»I'll need some time after my Scripps visit for getting back on track)...

>>>

>>>Let me know how this sounds. Thanks,

>>

»Oct 11-21sounds great with me. Is that suitable for Scott too?

>>

»»I can help out w/ lodging, incidentals, etc. if you guys can cover travel.

>>

» Any such help will be greatly appreciated. I have enough in my travel

» budget to cover travel etc. I'll contact you to confirm everything

» prior to making any bookings though.

>>

» Regards

>>

» Tim

>>

>>

>>

>>

» Dr Timothy J Osborn

»Senior Research Associate

»Climatic Research Unit

1 phone: +44 1603 592089

I fax: +44 1603 507784

I e-mail: t.osborn@uea.ac.uk

»School of Environmental Sciences I web-site:

»University of East Anglia I <http://www.cru.uea.ac.uk/timo/>

»Norwich NR4 7TJ I sunclock:

»UK I <http://www.cru.uea.ac.uk/timo/sunclock.htm>

>>

>>

>>

>

> Professor Michael E.Mann

> Department of Environmental Sciences, Clark Hall

> University of Virginia

> Charlottesville, VA 22903

>

>e-mail: [mann@virginia.edu](mailto:mann@virginia.edu) Phone: {804} 924-7770 FAX: {804} 982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.html>

Scott Rutherford

University of Virginia

e-mail:[srutherford@virginia.edu](mailto:srutherford@virginia.edu) phone: (804) 924-4669

Department of Environmental Sciences

Clark Hall

Charlottesville, VA 22903

fax: {804} 982-2137



<http://holocene.evsc.virginia.edu/> rutherfo

Sent: To: Subject:

Tuesday, May 09, 2000 6:41AM

Michael E. Mann;srutherford@virginia.edu

Re:visiting you

At 11:28 04/05/00-0400,Michael E. Mann wrote:

>How about Oct 11-21st (anything earlier wouldn't work well, since I'll

>need some time after my Scripps visit for getting back on track)...

>

>Let me know how this sounds.Thanks,

Oct 11-21sounds great with me. Is that suitable for Scott too?

>I can help out w/ lodging, incidentals,etc. if you guys can cover travel.

Any such help will be greatly appreciated. I have enough in my travel budget to cover travel etc. I'll contact you to confirm everything prior to making any bookings though.

Regards

Tim

Dr Timothy J Osborn I phone: +44 1603 592089

Senior Research Associate I fax: +44 1603 507784

Climatic Research Unit I e-mail: t.osborn@uea.ac.uk

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University of East Anglia I <http://www.cru.uea.ac.uk/timo/> Norwich NR4 7TJ I sunclock:

UK I <http://www.cru.uea.ac.uk/-timo/sunclock.htm>

Sent:

To:

Subject:

Thursday, May 04, 2000 4:41 AM

Michael E. Mann

Re: visiting you

At 11:52 01/05/00 -0400, you wrote:

>We're still working on the workshop. It has been approved by  
>PAGES/CLIVAR, but the timing is likely to be delayed, probably until  
>next spring. A visit in October, however, is still a possibility.

>

>I have a conference at Scripps Oct 4-6, but otherwise should be around.  
>However, I will be somewhat busy teaching two courses next fall. Lets  
>discuss possibilities... Mike,

The project that I'm working on finishes at the end of March 2001. I'm keen to visit you early enough to leave a few

months for carrying out any analyses etc. that we think would be of mutual interest. October would be best for me if we can fit a (2 week?) visit in. But just to let you know the full range of possibilities, here are the dates that I definitely

cannot come:

Oct 23-27 Hoping to attend the HIHOL meeting in Avignon.

Nov 21 (or sometime near then) Something important (can't remember what!). Dec 1 till the end of the year.

Sep ?? I hear there may be an AGU sponsored meeting in Portugal on the NAO (not sure if it's confirmed yet, nor

whether I'd be invited, but hope to go if it is and I am).

I hope this is flexible enough to find some convenient dates next fall. Best regards

Tim

Dr Timothy J Osborn I phone: +44 1603 592089

Senior Research Associate I fax: +44 1603 507784

Climatic Research Unit I e-mail: t.osborn@uea.ac.uk

School of Environmental Sciences I web-site:

University of East Anglia I <http://www.cru.uea.ac.uk/-timo/>

Norwich NR 4 7TJ I sunclock:

uK 1 <http://www.cru.uea.ac.uk/-timo/sunclock.htm>

- - - - -  
Sent:

To:

Subject:

Friday, April 28, 2000 11:03 AM

Michael E. Mann

Re: visiting you (a response at last!)

Mike

How's things? Just wanted to touch base about the possibility of visiting you in October. I'm still very keen to do so and have set some travel money aside to cover costs etc. Can we start to make firmer plans yet?

I'm very likely to be in France for the week beginning Monday 23rd October, but I've kept the remainder of October free.

You mentioned the possibility of a workshop in Charlottesville. Is that a definite plan yet? Best regards

Tim

Dr Timothy J Osborn I phone: +44 1603 592089

Senior Research Associate I fax: +44 1603 507784

Climatic Research Unit I e-mail: t.osborn@uea.ac.uk

School of Environmental Sciences I web-site:

University of East Anglia I <http://www.cru.uea.ac.uk/timo/> Norwich NR4 7TJ I sunclock:

UK I <http://www.cru.uea.ac.uk/-timo/sunclock.htm>

From: Sent: To:

Subject:

Hans von Storch <[h.vonstorch@phys.uu.nl](mailto:h.vonstorch@phys.uu.nl)> Monday, March 06, 2000 11:48 AM

Michael E. Mann

Re: meeting

I have spoken with Phil Jones today - we had some other busines to talk about - and we agreed that they would like to participate (in particular Tim Osborn) but that CRU would not want to be among the organizers (and funders}).

Let me know if I can be of help with PAGES & Co.

Hans

>Dear Hans,

>

>I've gotten in touch w/ Frank Oldfield at PAGES. Once I (hopefully) can

>get a positive response back from him, will then use that endorsement

>(very

>important) to seek NSF and NOAA support. More shortly...

>

>mike

>

>At 02:27 PM 3/6/00 +0100, you wrote:

» Mike,

» my colleague Joerg Negendank suggests that you contact Steve Colemann

>>at NSF.

>>

>>Hans

>>

>>Hans von Storch

>>

» (until 31. March 2000)

» Institute for Marine and Atmospheric Research Utrecht (IMAU)

» Princetonplein 5,PO Box 80 005, NL 3508 TA Utrecht,The Netherlands

»<http://w3g.gkss.de/staff/storch>

»fax:+ 3130 254 3163,phone:+3130 253 3182

»private:Essenkamp 20,3732 De Bilt,+ 3130 220 0863

>>

» New book:

»Stehr, N., and H. von Storch (Eds.), 2000:Eduard Bruckner - The

»Sources and Consequences of Climate Change and Climate Variability in

»Historical Times. Kluwer Publisher ISBN 0-7923-6128-8,338 pp.

>>

>>

>>

>>

>

> Professor Michael E.Mann

> Department of Environmental Sciences,Clark Hall

> University of Virginia

> Charlottesville,VA 22903

>

>e-mail:mann@virginia.edu Phone:(804} 924-7770 FAX: (804) 982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.html>

Hans von Storch

(until31.March 2000)

Institute for Marine and Atmospheric Research Utrecht (IMAU) Princetonplein 5, PO Box 80 005, NL 3508  
TA Utrecht, The Netherlands <http://w3g.gkss.de/staff/storch>

fax:+ 3130 254 3163,phone: +3130 253 3182 private:Essenkamp 20,3732 De Bilt,+ 3130 220 0863

New book:

Stehr, N., and H. von Storch (Eds.), 2000: Eduard Bruckner - The Sources and Consequences of Climate  
Change and

Climate Variability in Historical Times. Kluwer Publisher ISBN 0-7923-6128-8,338 pp.

From: Sent: To:

Cc:

Subject:

Tim Osborn <t.osborn@uea.ac.uk> Monday, February 21, 2000 4:50AM Michael E. Mann  
k.briffa@uea;p.jones@uea

Re: visiting you (a response at last!)

At 17:1419/02/00 -0500, you wrote:

>I'd like to suggest another possibility. Hans von Storch and I are  
>attempting to organize an international workshop on paleoclimate  
>reconstruction to be held in Charlottesville next October. More details  
>should be making your/Keith's way soon, after we've had some time to  
>the interest from funding agencies, etc. Perhaps you could visit before or after that? Mike,  
that sounds like an interesting workshop. Yes, I could come over for a couple of weeks, encompassing the  
workshop and  
some time before or after.

The only things I have pencilled in for the autumn (sorry, fall!) are the AGU/Chapman conference on the NAO  
that

Hurrell, Kushnir and Visbeck are organising (not yet confirmed, but likely to be late September, maybe in  
Portugal) and something in mid November. So October looks good. Cheers

Tim

Dr Timothy J Osborn I phone: +44 1603 592089

Senior Research Associate I fax: +44 1603 507784

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Norwich NR4 7TJ I sunclock:

UK I <http://www.cru.uea.ac.uk/-timo/sunclock.htm>



From: Sent: To:

Subject:

Michael E. Mann <mann@virginia.edu> Saturday, February 19, 2000 12:15 PM Tim Osborn

Re: visiting you (a response at last!)

Dear Tim,

Thanks for your message. I think we're all quite busy, and the initial dates we had discussed are also becoming relatively inconvenient for me also.

I'd like to suggest another possibility. Hans von Storch and I are attempting to organize an international workshop on paleoclimate reconstruction to be held in Charlottesville next October. More details should be making your/Keith's way soon, after we've had some time to the interest from funding agencies, etc. Perhaps you could visit before or after that?

let me know, mike

At 04:44 PM 2/14/00 +0000, you wrote:

>Mike,

>

>Sorry, Mike, to leave things hanging in the air about my visit. Almost

>as soon as I suggested some dates (back in December), some possible

>conflicts arose and weren't finalised until January. Then I've just

>had a hectic few weeks writing (with Keith B.) a consortium proposal

>for 12 European/Russian institutes which we sent off to the EU today.

>

>So, back to my visit. Unfortunately my suggestion of attending the AGU

>meeting and then visiting you for 2 weeks in early June is not possible.

>That leaves two alternatives: (i) I could attend the Asheville AMS

>meeting May 8-11, then spend a week with you after that; or (ii) I  
>could visit later in the year, maybe coinciding with a conference,maybe not.  
>  
>The first alternative has the disadvantage that I only spend a week in  
>Virginia (and it sounds like a busy time for you), but has the  
>advantage that I have a talk accepted for the AMS meeting (although I  
>haven't registered yet, so can pull out) and it enables us to start  
>collaborative work sooner. The main disadvantage of the second  
>alternative is that it pushes things back further. I could make a  
>couple of weeks during the first three weeks in July- if not then we'd be looking at September onwards.  
>  
>So, what do you think/prefer? I promise to reply more promptly this time!  
>  
>Cheers  
>  
>Tim  
>  
>  
>  
>  
>Dr Timothy J Osborn      I phone: +44 1603 592089  
>Senior Research Associate   I fax: +44 1603 507784  
>Climatic Research Unit      I e-mail: t.osborn@uea.ac.uk  
>School of Environmental Sciences   I web-site:  
>University of East Anglia   I [http://www.cru.uea.ac.uk/"](http://www.cru.uea.ac.uk/)timo/  
>Norwich NR4 7TJ      I sunclock:  
>UK      I [http://www.cru.uea.ac.uk/ timo/sunclock.htm](http://www.cru.uea.ac.uk/timo/sunclock.htm)  
>  
>  
>

From: Sent: To:

Subject:

Tim Osborn < t.osbom@uea.ac.uk> Monday, February 14, 2000 11:44 AM mann@virginia.edu  
visiting you (a response at last!)

Mike,

Sorry, Mike, to leave things hanging in the air about my visit. Almost as soon as I suggested some dates (back in December), some possible conflicts arose and weren't finalised until January. Then I've just had a hectic few weeks writing (with Keith B.) a consortium proposal for 12 European/Russian institutes which we sent off to the EU today.

So, back to my visit. Unfortunately my suggestion of attending the AGU meeting and then visiting you for 2 weeks in early June is not possible.

That leaves two alternatives: (i) I could attend the Asheville AMS meeting May 8-11, then spend a week with you after

that; or (ii) I could visit later in the year, maybe coinciding with a conference, maybe not.

The first alternative has the disadvantage that I only spend a week in Virginia (and it sounds like a busy time for you), but has the advantage that I have a talk accepted for the AMS meeting (although I haven't registered yet, so can pull out) and it enables us to start collaborative work sooner. The main disadvantage of the second alternative is that it pushes things back further. I could make a couple of weeks during the first three weeks in July - if not then we'd be looking at September onwards.

So, what do you think/prefer? I promise to reply more promptly this time! Cheers

Tim

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Norwich NR4 7TJ I sunclock:

UK I <http://www.cru.uea.ac.ukj-timo/sunclock.htm>

From: Sent: To: Cc:

Subject:

Malcolm Hughes <mhughes@ltrr.arizona.edu> Tuesday, January 07, 2003 4:00 PM

Scott Rutherford

trr.arizona.edu@douglass.ltrr.arizona.edu; Mike Mann; Raymond Bradley

Re: possible visit?

Dear Scott- It's now pretty certain that I will be out of town February 7-15, so I will not be around when you are in Arizona. I'm really sorry about this. I'm sure Fenbiao would be happy to see you, and that you might also be interested to see our lab and perhaps meet with others here such as Mike Evans, Dave Meko, Julie Cole and Jon Overpeck. I'd be happy to help with arrangements for your visit. Cheers, Malcolm  
Malcolm Hughes  
Professor of Dendrochronology Laboratory of Tree-Ring Research University of Arizona Tucson, AZ 85721

520-621-6470

fax 520-621-8229

From: Sent: Subject:

jto@U.Arizona.EDU

Monday, July 10, 2000 12:33 PM I am on vacation

I am on travel and unable to immediately respond to your message. I will send a reply to you when I return. Thank you for your patience.

Jonathan Overpeck

From: Sent: Subject:

jto@UArizona.EDU

Monday, May 29, 2000 5:13 PM I am on vacation

I am on travel and unable to immediately respond to your message. I will send a reply to you when I return. Thank you for your patience.

Jonathan Overpeck

From:

Sent:

To:

mann@snow.geo.umass.edu Monday, March 13, 2000 2:42 PM mann@virginia.edu

>From eakin@ogp.noaa.gov Thu Feb 10 10:32 EST 2000

Received: from hulkhovis.rdc.noaa.gov (root@hulkhovis.rdc.noaa.gov [140.90.27.66])

by snow.geo.umass.edu (8.9.1/8.9.1) with ESMTP id KAA24040

for <mike@snow.geo.umass.edu>;Thu,10 Feb 2000 10:32:38 -0500 (EST) Received:from ogp.noaa.gov (quickmail.ogp.noaa.gov (140.90.171.10))

by hulkhovis.rdc.noaa.gov (8.9.3/8.9.3) with ESMTP id KAA05252; Thu,10 Feb 2000 10:41:14 -0500 (EST)

Received: from [140.90.171.21) by quickmail.ogp.noaa.gov

with SMTP (QuickMail Pro Server for Mac 2.0.1); 10-Feb-2000 10:40:25 -0500

Date:10 Feb 2000 10:40:27 -0500

Message-ID: <-1261943307eakin@ogp.noaa.gov> Sender: Mark Eakin <eakin@ogp.noaa.gov> From:Mark Eakin <eakin@ogp.noaa.gov>

Subject: New Director of NOAA Paleoclimatology Program

To:"Paleo-all" <:@hull<hovis.rdc.noaa.gov> X-Mailer: QuickMail Pro 2.0.4 (Mac }

X-Priority: 3

MIME-Version: 1.0

Reply-To:Mark Eakin <eakin@ogp.noaa.gov> Content-Transfer-Encoding:8bit

X-MIME-Autoconverted: from quoted-printable to 8bit by snow.geo.umass.edu id KAA24040

Content-Type: text/plain; charset="US-Ascii" Content-Length: 1907

Status: RO

Most of you have been in my address book long enough that you recall the "Paleo-grams" that I used to send out to the community with news on Announcements of Opportunity, funding, programmatic changes and other news of interest to the paleoclimate community. My apologies that some of your e-mail addresses may be old as I have been away from work with the paleoclimate community for a few years.

The news in this message is that I have just accepted the position of Chief of NOAA Paleoclimatology Program and Director of the World Data Center for Paleoclimatology at the National Geophysical Data Center in Boulder. I will be filling the vacancy that was created when Jonathan Overpeck left NOAA for the University of Arizona.

I am excited to be directly involved with paleoclimatology again after serving for the last few years as program manager for Climate Dynamics and Experimental Prediction. I am equally excited about working with many of you again as we move the paleoclimatology program into some new and exciting directions.

While my new position will be effective almost immediately, I will be traveling back and forth between Silver Spring and Boulder until I move permanently in June. During that time I will finish up my OGP responsibilities and will be working my way into the duties at NGDC.

My e-mail is [mark.eakin@noaa.gov](mailto:mark.eakin@noaa.gov). That address will move with me to Boulder, so you may update your address books now.

Cheers, Mark

C. Mark Eakin, Ph.D.

Chief of NOAA Paleoclimatology Program and Director of the World Data Center for Paleoclimatology

Currently at:

NOAA/Global Programs, 1100 Wayne Ave., Suite 1210 Silver Spring, MD USA 20910-5603

Voice: 301-427-2089 ext. 109      Fax: 301-427-2073

Internet: [mark.eakin@noaa.gov](mailto:mark.eakin@noaa.gov)

By July 1:

National Geophysical Data Center

325 Broadway E/GC Boulder, CO 80303

Voice: 303-497-6172      Fax: 303-497-6513

Sent To: Subject:

Sunday, October 21, 2001 7:49 PM Michael E. Mann

Re: CONFIDENTIAL

<x-flowed>

roger, thx

Jonathan T. Overpeck

Director, Institute for the Study of Planet Earth Professor, Department of Geosciences

Mail and Fedex Address:

Institute for the Study of Planet Earth

715 N. Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721

direct tel: +1 520 622-9065 fax: +1 520 792-8795

<http://www.geo.arizona.edu/Faculty/Pages/Overpeck.J.html>

<http://www.ispe.arizona.edu/>

</x-flowed>

Sent:

To:



Subject:

Tuesday, February 13, 20013:22 PM Michael E. Mann

Re: Fwd: CUVAR presentations for USGCRP seminar

a whole generation's potential up in smoke...

Jonathan T.Overpeck

Director,Institute for the Study of Planet Earth Professor, Department of Geosciences

Mail and Fedex Address:

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715 N.Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721

direct tel: +1520 622-9065 fax: +1520 792-8795 [http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html)  
<http://www.ispe.arizona.edu/>

Sent To: Subject:

Tuesday, February 13, 20013:08 PM Michael E. Mann

Re: Fwd: CUVAR presentations for USGCRP seminar

He does have that 60's look... think how smart he could have been.

Jonathan T.Overpeck

Director,Institute for the Study of Planet Earth Professor,Department of Geosciences

Mail and Fedex Address:

Institute for the Study of Planet Earth

715 N. Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721

direct tel:+1520 622-9065 fax:+1520 792-8795 [http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html)  
<http://www.ispe.arizona.edu/>

Sent:

To:

Subject:

Tuesday, February 13, 20012:12 PM Michael E. Mann

Re: USGCRP Seminars

you dog, you....

Jonathan T. Overpeck

Director,Institute for the Study of Planet Earth Professor, Department of Geosciences

Mail and Fedex Address:

Institute for the Study of Planet Earth

715 N. Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721

direct tel: +1 520 622-9065

fax: +1520 792-8795 [http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html) <http://www.ispe.arizona.edu/>

Sent: To: Subject:

Friday, December 08, 2000 1:52 PM Michael E. Mann

Re: quick factoid

thx! Peck

Jonathan T. Overpeck

Director, Institute for the Study of Planet Earth Professor, Department of Geosciences

Mail/Fedex address:

Institute for the Study of Planet Earth

715 N. Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721

Direct tel: +1520 622-9065

Admin. Assistant: tel: +1520 622-9062

Fax: +1520 792-8795 [http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html) <http://www.ispe.arizona.edu/>



163

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Sent: To: Subject:

Thursday, December 07, 2000 8:36 PM

mann@multiproxy.evsc.virginia.edu quick tactoid

Mike - I'm working on my poster for agu and am limping along without my main computer- the one that has the final full EI citation. Can you send it again? Thx! Peck Jonathan T. Overpeck Director, Institute for the Study of Planet Earth Professor, Department of Geosciences

Maii/Fedex address:

Institute for the Study of Planet Earth

715 N.Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721

Direct tel: +1520 622-9065

Admin. Assistant: tel:+1520 622-9062

Fax: +1520 792-8795 [http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html) <http://www.ispe.arizona.edu/>

From: Sent: To:

Cc:

Subject:

Keith et al

Mark Cane <mcane@ldeo.columbia.edu> Friday, November 10, 2000 4:32 PM

Keith Alverson; Jonathan Overpeck; Jean Claude Duplessy; abeouchi@ccsr.u-tokyo.ac.jp; Keith Briffa; martin.claussen@pik-potsdam.de; Julia Cole; michael.gagan@anu.edu.au; syUous@asterix.saclay.cea.fr; jouzel@lsce.saclay.cea.fr; mann@virginia.edu; Thomas Stocker; Andreas Villwock

John Gould; tonyb@essic.umd.edu; Carson\_D@gateway.wmo.ch

Re: clivar/pages working group meeting July 14, 2001 Amsterdam

I have just learned of a wedding I MUST go to in the US on July 14. So I can't make the Pages/Ciivar meetng. iwill have to consider whether to go to Amsterdam at all.

Best

Mark

From: Sent: To:

Subject:

Jonathan Overpeck <jto@u.arizona.edu> Friday, April 12, 2002 9:01PM

Michael E. Mann

Re:Your letter to Science

<x-flowed>

you the man... happy weekend, peck

Jonathan T. Overpeck

Director,Institute for the Study of Planet Earth Professor, Department of Geosciences

Mail and Fedex Address:

Institute for the Study of Planet Earth

715 N. Park Ave. 2nd Floor University of Arizona Tucson,AZ 85721

direct tel: +1520 622-9065

fax:+1520 792-8795 [http://www.geo.arizona.edu/Faculty\\_pages/Overpeck.J.htm](http://www.geo.arizona.edu/Faculty_pages/Overpeck.J.htm)I <http://www.ispe.arizona.edu/>

</x-flowed>

From: Sent: To:

Subject:

Michael E. Mann <mann@virginia.edu> Friday, April 12, 2002 4:11 PM

Jonathan Overpeck

Re: Your letter to Science

<html>

Thanks Peck,<br>

<br>

As always, your advice is much appreciated...Enjoy the weekend w/ the family,<br> <br> mike<br> <br> At 05:01PM

4/12/02 -0800, you wrote:<br> <blockquote type=cite class=cite cite>you the man... happy weekend, peck<br>

-- <br>

Jonathan T. Overpeck<br>

Director, Institute for the Study of Planet Earth<br> Professor, Department of Geosciences<br> <br> Mail and Fedex

Address:<br> <br> Institute for the Study of Planet Earth<br>

715 N. Park Ave. 2nd Floor<br> University of Arizona<br> Tucson, AZ 85721<br>

direct tel: +1520 622-9065<br>

fax: +1520 792-8795<br>

<a href="http://www.geo.arizona.edu/Faculty\_Pages/Overpeck.J.html" eudora="autourl">http://www.geo.arizona.edu/Faculty\_Pages/Overpeck.J.html</a> <a href="http://www.ispe.arizona.edu/" eudora="autourl">http://www.ispe.arizona.edu/</a><br>

</blockquote>

<x-sigsep><p></x-sigsep>

<br>



Professor Michael E. Mann  
Department of Environmental  
Sciences, Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail: mann@virginia.edu Phone: (434) 924-7770 FAX: (434) 982-2137

<http://www.evsc.virginia.edu/faculty/people/mann.shtml>

Sent: To: Subject:

Thursday, November 15, 2001 5:18 PM Michael E. Mann

Re: Loose cannon!

<x-ffowed>

how nice...

Jonathan T. Overpeck

Director, Institute for the Study of Planet Earth Professor, Department of Geosciences

Mail and Fedex Address:

Institute for the Study of Planet Earth

715 N. Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721

direct tel: +1520 622-9065 fax: +1520 792-8795 [http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html)  
<http://www.ispe.arizona.edu/>

</x-flowed>

Sent:

To:

Subject:

Monday, April 23, 2001 5:05 PM Michael E. Mann

Re: thanks and a question

<x-flowed> Thank s!

Jonathan T.Overpeck

Director, Institute for the Study of Planet Earth Professor, Department of Geosciences

Mail and Fedex Address:

Institute for the Study of Planet Earth

715 N.Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721

direct tel: +1520 622-9065 fax: +1520 792-8795 [http://www.geo.arizona.edu/Faculty\\_Pages/OverpeckJ.html](http://www.geo.arizona.edu/Faculty_Pages/OverpeckJ.html)  
<http://www.ispe.arizona.edu/>

</x-flowed>

From: Sent: To:

Subject:

Lasse Dretvik <lasse.dretvik@c2i.net> Sunday, January 30, 2000 5:07 PM

Daminda Weerasinghe; solgunn solsvik; Rigmor Sivertsen; Martin Miles; Juerg

Luterbacher; Signe Lian; Eystein Jansen; Hans Kristian; Daoyi Gong; Kathrine Falch;

Oystein dretvik; Turid Dretvik; Deliang Chen; John.Arnfield@osu.edu; Raskol;

mann@virginia.edu

Change of address

My current email address {lasse.dretvik@c2i.net) will expire shortly. Please address all future correspondence to lasse.dretvik@sensewave.com. Also, my CLJrrent web site will disappear after February 1st.

Best regards

Lasse Dretvik

From: Sent: To: Cc:

Subject:

Caspar Ammann <ammann@ucar.edu> Saturday, May 04, 2002 1:16 PM

Mike Mann

Brad Adams

Re: May 14-15

Follow Up Flag:

Flag Status:

Follow up

Flagged

<x-flowed> Mike and Brad,

I have my ticket and other visits in place. I plan to arrive in your area at some point on Monday the 13th. Is there a chance to have a first get together that afternoon maybe? Otherwise, the 14th (Tuesday) I have all day and both of you can say what time would fit best. Also, do you have any recommendations on a motel in the area that is more affordable than the DC area, or maybe you get some good University rates at a place where I could make a reservation.

Thanks and I'm looking forward to see you, Caspar

Michael E. Mann wrote:

>Hi Caspar,

>

>Yes, those dates would probably work. I'll put them down on my calendar.

>Brad:I assume you'll be around then? Please let me know otherwise ASAP.

>Thanks,

>

> mike

>

> On Sat, 20 Apr 2002,Caspar Ammann wrote:

>

>

» Mike and Brad,

» I could come roughly May 14 and 15 or even morning of the 16th. Would

»that work for you guys to catch up and work on the papers?

»Caspar

>>

Caspar M.Ammann

National Center for Atmospheric Research Climate and Global Dynamics Division- Paleoclimatology  
Advanced Study

Program

1850 Table Mesa Drive

Boulder,CO 80307-3000

email: ammann@ucar.edu    tel: 303-497-1705    fax: 303-497-1348

</x-flowed>

From: Sent: To: Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Saturday, May 04, 2002 4:10 PM

Caspar Ammann

Mike Mann; Brad Adams

Re: May 14-15

Follow Up Flag: Flag Status:

Follow up

Flagged

<x-flowed> HI Caspar,

Hi Caspar, so we're talking the 13th and 14th rather than 14th and 15th now? That sounds fine in any case--so lets then plan to meet the afternoon on the 13th, and then again all day on the 14th--I assume you're leaving on morning of the

15th? Also, are you flying into Charlottesville or into Washington DC (Dulles?). If the latter, I assume you're renting a

car? Its about a 2 hour drive south to Charlottesville.

I would recommend staying at the Red Roof Inn in Charlottesville both nights (13th and 14th). Its inexpensive, decent enough, and right in the center of the campus area. Go can make a reservation on-line here {there is also phone contact information and address provided):

<http://www.expedia.com/pub/agent.dll?gscr=dspv&itty=new&from=m&htid=18522&mtxt=&cad=1&&zz=1020542721>

400&

You can say you're here on business with the U.Va Environmental Sciences Dept., and I think they might have reduced rate-but its pretty cheap anyways.

Please let me know if there is anything we've forgotten. You can reach me on my cell phone {434} 825-3969 when you get into town, and I can give you directions to campus, or come and find you.

Please confirm the above info. Thanks, Mike

At 11:16 AM 5/4/02 -0600, Caspar Ammann wrote:

>Mike and Brad,

>

>I have my ticket and other visits in place. I plan to arrive in your

>area at some point on Monday the 13th. Is there a chance to have a

>first get together that afternoon maybe? Otherwise, the 14th (Tuesday)

>I have all day and both of you can say what time would fit best. Also,

>do you have any recommendations on a motel in the area that is more

>affordable than the DC area, or maybe you get some good University

>rates at a place where I could make a reservation.

>

>Thanks and I'm looking forward to see you,

>

>Caspar

>

>

>Michael E. Mann wrote:

>

»Hi Caspar,

»Yes, those dates would probably work. I'll put them down on my calender.

»Brad: I assume you'll be around then? Please let me know otherwise ASAP.

» Thanks,

»mike

» On Sat,20 Apr 2002,Caspar Ammann wrote:

>>

»>Mike and Brad,

»>I could come roughly May 14 and 15 or even morning of the 16th. Would

»>tha t work for you guys to catch up and work on the papers?

>»Caspar

>

>

>

>--

>Caspa r M. Ammann

>Na tional Center for Atmospheric Research Climate and Global Dynamics

>Division- Paleoclimatology Advanced Study Program

>1850 Table Mesa Drive

>Boulder, CO 80307-3000

>email:ammann@ucar.edu tel: 303-497-1705 fax: 303-497-1348

>



Professor Michael E. Mann

Department of Environmental Sciences, Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail: [mann@virginia.edu](mailto:mann@virginia.edu) Phone: (434) 924-7770 FAX: (434) 982-2137

<http://www.evsc.virginia.edu/faculty/people/mann.shtml>

</x-flowed>

From: Sent: To: Cc:

Subject;

Caspar Ammann <[ammann@ucar.edu](mailto:ammann@ucar.edu)> Saturday, May 04, 2002 4:20 PM

Michael E. Mann

Brad Adams

Re: May 14-15

Follow Up Flag: Flag Status:

Follow up

Flagged

<x-flowed> Mike,

yeah,I'll be arriving already on Monday the 13th and will need to leave the 15th in the morning in order to get home in time for something similar to a wedding/child party we host here in Colorado... I'll be coming from even further North: R ay and a bunch of other places. I'll try to drive into Charlottesville probably early in the afternoon. If you give me a target time, I can make sure to hit it. 2 or 3 would probably be realistic.

A Red Roof Inn close to the campus is great. I'll make the reservations and if needed will refer to my visit with you. I

printed the map from your departments web site and could probably start wandering off to Clark Hall. But I can give you a call when I'm at the Motel.

Will be good to see you again, Caspar

Caspar M. Ammann

National Center for Atmospheric Research Climate and Global Dynamics Division - Paleoclimatology  
Advanced Study

Program

1850 Table Mesa Drive

Boulder,CO 80307-3000

email: ammann@ucar.edu tel: 303-497-1705 fax: 303-497-1348

</x-flowed>

From: Sent: To:

Cc:

Subject:

Follow Up Flag: Flag Status:

<x-flowed> Thanks Caspar,

Michael E. Mann <mann@virginia.edu> Saturday, May 04, 2002 4:32 PM

Caspar Ammann

Michael E. Mann; Brad Adams

Re: May 14-15

Follow up

Flagged

That sounds great. We needn't fix a time--I'll probably be at work anyways, so you can just give me a call when you get into the area...

Looking forward to seeing you, Mike

At 02:20PM 5/4/02 -0600,Caspar Ammann wrote:

>Mike,

>

>yeah,I'll be arriving already on Monday the 13th and will need to

>leave the 15th in the morning in order to get home in time for

>something similar to a wedding/child party we host here in Colorado...

>I'll be coming from even further North:Ray and a bunch of other

>places. I'll try to drive into Charlottesville probably early in the

>afternoon. If you give me a target time,I can make sure to hit it. 2 or 3 would probably be realistic.

>  
>A Red Roof Inn close to the campus is great. I'll make the reservations  
>and if needed will refer to my visit with you. I printed the map from  
>your departments web site and could probably start wandering off to Clark Hall.  
>But I can give you a call when I'm at the Motel.

>  
>Will be good to see you again,

>  
>Caspar

>  
>--

>Caspar M. Ammann  
>National Center for Atmospheric Research Climate and Global Dynamics  
>Division- Paleoclimatology Advanced Study Program  
>1850 Table Mesa Drive  
>Boulder,CO 80307-3000  
>email: ammann@ucar.edu tel:303-497-1705 fax: 303-497-1348

>

Professor Michael E. Mann  
Department of Environmental Sciences,Clark Hall  
University of Virginia  
Charlottesville, VA 22903

e-mail: mann@virginia.edu Phone: (434) 924-7770 FAX: (434) 982-2137  
<http://www.evsc.virginia.edu/faculty/people/mann.shtml>

</x-flowed>

From: Sent: To: Cc:

Subject:

Michael E. Mann <mann@multiproxy.evsc.virginia.edu>

Monday, May 13, 2002 5:55 PM Scott Rutherford ammann@ucar.edu;mann@virginia.edu

Guest Account?

Follow Up Flag: Flag Status:

Follow up

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<x-flowed> HIScott:

Caspar is visiting here for two days, and we'd like him to have access to holocene. Any way to fix him up w/ a guest account tomorrow morning?

Thanks in advance for any help you can provide, Mike

Professor Michael E. Mann

Department of Environmental Sciences, Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail: mann@virginia.edu Phone: (434) 924-7770 FAX: (434) 982-2137  
<http://www.evsc.virginia.edu/faculty/people/mann.shtml>

</x-flowed>

From: Sent: To:

Subject:

Caspar Ammann <ammann@ucar.edu> Tuesday, May 14, 2002 2:48 PM

Michael E. Mann

solar paper

Follow Up Flag:

Flag Status:

Follow up

Flagged

Mike,

here is our initial solar manuscript in review in Atmospheric-,Solar and Terrestrial Physics (Elsevier). Caspar

Caspar M. Ammann

National Center for Atmospheric Research Climate and Global Dynamics Division- Paleoclimatology  
Advanced Study

Program

1850 Table Mesa Drive

Boulder, CO 80307-3000

email:ammann@ucar.edu    tel: 303-497-1705    fax: 303-497-1348

Attachment Converted:"C:\WINDOWS\DESKTOP\Attach\final\_complete\_with\_fig.pdf"

From: Sent:

Subject:

alerts@agu.org on behalf of AGU E-Aiert Application <alerts@agu.org> Wednesday, May 15, 2002 12:52 AM

New issue of JGR - Atmospheres - Vol. 107, No. 8

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The table of contents for the latest issue of JGR- Atmospheres is now available! The articles are available online.

An abbreviated table of contents follows.

The full table of contents for Volume 107, Number 8 is now available on AGU's website at:

[http://www.agu.org/pubs/toc/jd/id107\\_8.html](http://www.agu.org/pubs/toc/jd/id107_8.html)

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American Geophysical Union (<http://www.agu.org>)

===== JGR - Atmospheres - Vol. 107, No. 8 =====

27 April 2002

Yang, Fanglin;Schlesinger, Michael E.

On the surface and atmospheric temperature changes following the 1991 Pinatubo volcanic eruption: A GCM study

10.1029/2001JD000373

30 April 2002



Klouda, George A.; Lewis, Charles W.; Stiles, David C.; Marolf, Julie L.; Ellenson, William D.; Lonneman, William A. Biogenic contributions to atmospheric volatile organic compounds in Azusa, California

10.1029/2001JD000758

27 April 2002

Ammann, C.; Meixner, F.

Stability dependence of the relaxed eddy accumulation coefficient for various scalar quantities

10.1029/2001JD000649

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Chen, Ting; Rossow, William B.

Determination of top-of-atmosphere longwave radiative fluxes: A comparison between two approaches using ScaRaB

data

10.1029/2001JD000914

27 April 2002

Kavouras, Ilias G.; Stephanou, Euripides G.

Particle size distribution of organic primary and secondary aerosol constituents in urban, background marine, and forest atmosphere

10.1029/2000JD000278

26 April 2002

Wilson, S. R.; Forgan, B. W.

Aerosol optical depth at Cape Grim, Tasmania, 1986-1999

10.1029/2001JD000398

26 April 2002

Warneke,C.; Luxembourg, S. L.; de Gouw,J. A.; Rinne,H. J. 1.; Guenther,A. B.;Fall, R.

Disjunct eddy covariance measurements of oxygenated volatile organic compounds fluxes from an alfalfa field before and after cutting

10.1029/2001JD000594

26 April 2002

Trenberth, Kevin E.;Stepaniak, David P.;Caron,Julie M. Interannual variations in the atmospheric heat budget

10.1029/2000JD000297

25 April 2002

Trenberth, Kevin E.;Caron,Julie M.;Stepaniak, David P.;Worley,Steve Evolution of El Niño-Southern Oscillation and global atmospheric surface temperatures

10.1029/2000JD000298

24 April 2002

Fischer, H.;Brunner,D.; Harris,G. W.;Hoor, P.; Lelieveld, J.; McKenna,D.S.;Rudolph,J.; Scheeren, H. A.;Siegmund, P.; Wernli, H.; Williams,J .; Wong,S.

Synoptic tracer gradients in the upper troposphere over central Canada during the Stratosphere-Troposphere Experiments by Aircraft Measurements 1998 summer campaign

10.1029/2000JD000312

24 April 2002

Bregman, A.;Krol, M. C.; Teyssedre, H.; Norton, W. A.; Iwi, A.; Chipperfield, M.; Pitari,G.;Sundet,J. K.; Lelieveld,J. Correction to "Chemistry-transport model comparison with ozone observations in the midlatitude lowermost stratosphere" by A. Bregman et al.

10.1029/2001JD001370

23 April 2002

Riggin, Dennis M.;Kudeki, Erhan;Feng, Zhaomei;Sarango,Martin F.; Lieberman, Ruth S.

Jicamarca radar observations of the diurnal and semidiurnal tide in the troposphere and lower stratosphere

10.1029/2001JD001216

23 April 2002

Greene,Arthur M.;Seager, Richard;Broecker,Wallace S.

Tropical snowline depression at the Last Glacial Maximum:Comparison with proxy records using a single-cell tropical climate model

10.1029/2001JD000670

19 April 2002

Frost,G. J.; Fried,A.; Lee, Y.-N.; Wert, B.;Henry, B.; Drummond, J.

R.;Evans,M. J.; Fehsenfeld,F. C.; Goldan,P.D.;Holloway,J. S.;Hubler,G.;Jakoubek, R.;Jobson, B. T.; Knapp, K.; Kuster, W.C.; Roberts,J.; Rudolph,J.; Ryerson,T.B.;Stohl,A.; Stroud, C.; Sueper,D. T.;Trainer,M.; Williams,J.

Comparisons of box model calculations and measurements of formaldehyde from the 1997 North Atlantic Regional

Experiment

10.1029/2001JD000896

18 April 2002

## References

1. <http://www.agu.org/pubs/inpress.html>
2. <http://www.agu.org/pubs/pubs.html>
3. <http://www.agu.org/>

From: Sent: Subject:

alerts@agu.org on behalf of AGU E-Aiert Application <alerts@agu.org> Wednesday, May 15, 2002 12:52 AM  
New issue of JGR - Atmospheres - Vol. 107, No. 8

Follow Up Flag:

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American Geophysical Union (<http://www.agu.org>)

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Stability dependence of the relaxed eddy accumulation coefficient for various scalar quantities

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27 April 2002

Chen, Ting;Rossow,William B.

Determination of top-of-atmosphere longwave radiative fluxes:A comparison between two approaches using ScaRaB

data

10.1029/2001J0000914

27 April 2002

Kavouras, Ilias G.;Stephanou, Euripides G.

From: Sent: To: Cc:

Subject:

John Christy <john.christy@nsstc.uah.edu>

Monday, June 04, 2001 8:51 AM Malcolm K.Hughes

Michael E. Mann; tom crowley;ckfolland@meto.gov.uk; pjones@uea.ac.uk;

tkarl@ncdc.noaa.gov;Scott Rutherford; rbradley@geo.umass.edu

Thanks Malcolm

Thanks Malcolm

I understand from family legend that Christy is Irish while Christie is Scottish (paleonomenology?).

I'll be out of town this week, but I'll take your thoughtful message with me to ponder a response. I appreciate your time. John C.

Malcolm K. Hughes wrote:

> Apologies for mis-spelling John's last name, Malcolm

>

>

\*\*\*\*\*

John R. Christy

Director, Earth System Science Center voice: 256-961-7763

Professor, Atmospheric Science fax: 256-961-7751

Alabama State Climatologist University of Alabama in Huntsville  
<http://www.atmos.uah.edu/atmos/christy.html>

Mail: University of Alabama in Huntsville, Huntsville AL 35899

Express: NSSTC/ESSC 320 Sparkman Dr., Huntsville AL35805

From: Sent: To:

Cc:

Subject:

Scott Rutherford <srutherford@virginia.edu> Friday, May 18, 2001 8:38 AM

Michael E. Mann; Malcolm K. Hughes

Scott Rutherford; rbradley@geo.umass.edu;mann@virginia.edu re: Amherst

<x-flowed>

Monday morning works for me. Can someone send me directions from the Mass pike? Thanks,

Scott

At 5:19PM -0400 5/17/01, Michael E. Mann wrote:

>hi malcolm,

>

>thanks--actually, i realize there may have been miscommunication

>anyways. I leave amherst \*on\* tuesday morning, so this is much better!

>So monday morning, around 11am, perhaps meet at Raos. Ray,Scott?

>

>mike

>

>At 11:38 AM 5/17/01-0700,you wrote:

»Dear Mike - as you will recall, we are scheduled to meet with Scott

>>and Ray in Amherst on Tuesday morning. As it turned out,Ray had flu

»and so did not go to China this week. Therefore, so far as he is

»concerned, we could equally well meet on Monday. If this would work



»for you and Scott (perhaps starting at 11 or  
»12) it would be really helpful for me, because I could probably get  
»home a day earlier, and, as always, I am horribly overcommitted. What  
»do you think? Cheers, Malcolm

>

>

> Professor Michael E. Mann  
> Department of Environmental Sciences, Clark Hall  
> University of Virginia  
> Charlottesville, VA 22903  
> —

>e-mail:mann@virginia.edu Phone:(804) 924-7770 FAX:(804) 982-2137

> <http://www.evsc.virginia.edu/facultyIpeople/mann.shtml>

Scott Rutherford

University of Virginia            University of Rhode Island

Environmental Sciences Graduate School of Oceanography Clark Hall      South Ferry Road  
Charlottesville, VA 22903                      Narragansett, RI 02882 srutherford@virginia.edu  
srutherford@gso.uri.edu phone: (804) 924-4669 (401) 874-6599

fax: (804) 982-2137 (401) 874-6160

</x-flowed>

From: Sent: To: Cc:

Subject;

Michael E. Mann <mann@virginia.edu> Thursday, May 17, 2005:19PM Malcolm K. Hughes  
Scott Rutherford;rbradley@geo.umass.edu; mann@virginia.edu re: Amherst

<x-flowed>

himalcolm,

thanks--actually,i realize there may have been miscommunication anyways. I leave amherst \*on\* tuesday morning, so this is much better! So monday morning, around 11am, perhaps meet at Raos. Ray,Scott?

mike

At 11:38 AM 5/17/01-0700,you wrote:

>Dear Mike - as you will recall, we are scheduled to meet with Scott and  
>Ray in Amherst on Tuesday morning. As it turned out, Ray had flu and so  
>did not go to China this week. Therefore, so far as he is concerned, we  
>could equally well meet on Monday. If this would work for you and Scott  
>(perhaps starting at  
>11or  
>12) it would be really helpful for me, because I could probably get  
>home a day earlier,and,as always,I am horribly overcommitted.What do

>you think?

>Cheers,

>Malcolm

Professor Michael E. Mann

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University of Virginia

Charlottesville, VA 22903

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<http://www.evsc.virginia.edu/faculty/people/mann.shtml>

</x-flowed>

From: Sent: To:

Subject:

Malcolm K. Hughes <[mhughes@ltrr.arizona.edu](mailto:mhughes@ltrr.arizona.edu)> Thursday, May 17, 2001 12:38 PM

Michael E. Mann

re: Amherst





overcommitted. What do you think? Cheers, Malcolm

Professor Michael E. Mann  
Department of Environmental Sciences, Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: {804} 982-2137

<http://www.evsc.virginia.edu/faculty/people/mann.shtml>  
<http://www.evsc.virginia.edu/faculty/people/mann.shtml>

From: Sent: To:

Subject:

Malcolm K. Hughes <mhughes@lrr.arizona.edu> Wednesday, May 02, 2001 3:23 PM mann@virginia.edu

Chris Miller

Dear Mike- do you have an e-mail address that works for Chris Miller? Malcolm

Professor Malcolm K. Hughes Laboratory of Tree-Ring Research W.Stadium 105

University of Arizona

Tucson, AZ 85721 phone 520-621-6470 fax 520-621-8229

From: Sent: To:

Cc:

Subject:

Malcolm K. Hughes <mhughes@ltrr.arizona.edu> Tuesday, May 01, 2001 6:21PM

Scott Rutherford

Michael E. Mann; Malcolm K. Hughes; Raymond S. Bradley; srutherford@virginia.edu

Re: MAy 19-21

Gents- so Tuesday morning it is. I will be around UMASS on Monday too. I will leave for a 6.15 pm flight from Bradley on

Tuesday 5/22/01. CHeers, Malcolm

Quoting Scott Rutherford <srutherford@virginia.edu>:

> I can make either Monday or Tuesday.

>

> -Scott  
> --  
>  
  
> Scott Rutherford  
>  
> University of Virginia University of Rhode Island  
> Environmental Sciences Graduate School of Oceanography  
> Clark Hall South Ferry Road  
> Charlottesville,VA 22903 Narragansett, RI 02882  
> srutherford@virginia.edu srutherford@gso.uri.edu  
> phone: (804) 924-4669 (401) 874-6599  
> fax: (804) 982-2137 (401) 874-6160  
>

Professor Malcolm K. Hughes Laboratory of Tree-Ring Research W.Stadium 105  
University of Arizona Tucson, AZ 85721 phone 520-621-6470 fax 520-621-8229

From: Sent: To: Cc:

Subject:

Scott Rutherford <srutherford@virginia.edu> Monday, April 30, 2001 9:04AM

Michael E. Mann; Malcolm K. Hughes

Raymond S. Bradley; srutherford@virginia.edu

Re: MAy 19-21



<x-flowed>

I can make either Monday or Tuesday.

-Scott

Scott Rutherford

University of Virginia University of Rhode Island Environmental Sciences Graduate School of Oceanography  
Clark Hall South Ferry Road Charlottesville, VA 22903 Narragansett, RI 02882  
srutherford@virginia.edu srutherford@gso.uri.edu phone:(804) 924-4669 (401) 874-6599  
fax:(804) 982-2137 {401) 874-6160

</x-flowed>

From: Sent: To:

Subject:

Raymond S. Bradley <rbradley@geo.umass.edu> Sunday, April 29, 2001 7:55 PM mhughes@ltrr.arizona.edu;  
Michael E. Mann

Re: MAy 19-21

<x-flowed>

obviously,that suits me better too. And you can stay with me Monday & tuesday, Malcolm,if you want ray

At 06:14 PM 4/29/01-0400,you wrote:

>oops. Ok, yes that would work great...

>

>mike

>

>At 03:05 PM 4/29/01-0700,Malcolm K. Hughes wrote:

» Mike - note - I'm suggesting Tuesday morning rather than Monday

»morning,Cheers, Malcolm Quoting "Michael E. Mann"

>><mann@multiproxy.evsc.virginia.edu>:

>>

>>Hi Malcolm,

>> >

>>The only problem is that I'm not yet sure whether I'll return from

>> Marblehead sunday night or monday morning. If the latter,the

>> morning might be problematic, though late morning would probably be

>>doable. Will let you know as soon as I can be more specific...

>> >

>>>mike

>> >

>>At 12:13 PM 4/29/01-0700,Malcolm K. Hughes wrote:

>>>How about making it Tuesday morning? Cheers, Malcolm

>> > >

»» >Quoting "Michael E. Mann" <mann@multiproxy.evsc.virginia.edu>:

>> > >

»» > > Dear Ray and Malcolm,

>> > > >

»» > > I too will be cutting it a bit close,returning from Marblehead

»»»» late sunday evening. But if plan to meet in the late morning

»» > > through

>>>mid-afternoon,

»»»»that sounds like the best compromise. By cc of this to Scott,

>> >>> I'm

>>>seeing

>>>>>if

>>> >> he'll be able to make it up at that time too. Scott?

>> > > >

>> > > > off to seattle now,

>> > > >

»»»» mike

>> > > >

»»»»At 01:28PM 4/28/01-0400, Raymond S. Bradley wrote:

»»»»»I get back May 20th @ 11.56pm....I guess i'll be quite tired

>>>>>>the

>>>next

>>>>>day,

»»»»»but am willing/happy to meet you & Mike ifyou'all think that

»»»»»will

>>>>>work.

>> > > > >

>>>>>>ray

>> > > > >

>>>>At 10:42 AM 4/28/01-0700,you wrote:

>>>>Any word? Cheers, Malcolm

>>>>Malcolm Hughes

>>>>Professor of Dendrochronology Laboratory of Tree-Ring

>>>>Research University of Arizona Tucson, AZ 85721

>>>> 520-621-6470

>>>>fax 520-621-8229

>>>>

>>>>Raymond S. Bradley

>>>>Professor and Head of Department Department of Geosciences

>>>>University of Massachusetts Amherst, MA 01003-5820

>>>>

>>>>Tel: 413-545-2120

>>>>Fax:413-545-1200

>>>>Climate System Research Center: 413-545-0659 Climate System

>>>>>Research Center Web Page:

>>>>><<http://www.geo.umass.edu/climate/climate.html>>

>>>>>Paleoclimatology Book Web Site (1999):

>>>>><<http://www.geo.umass.edu/climate/paleo/html>>

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>>>>> Professor Michael E.Mann

>>>>>

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Department of Environmental Sciences, Clark Hall

University of Virginia

Charlottesville, VA 22903

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>>>>e-mail: mann@virginia.edu Phone:(804) 924-7770 FAX: (804)

>>> 982-2137

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<http://www.evsc.virginia.edu/facultyIpeople/rmann.shtml>

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>>>>University of Arizona

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<<http://www.geo.umass.edu/climate/climate.html>> Paleoclimatology Book Web Site {1999):  
<http://www.geo.umass.edu/climate/paleo/html>

</x-flowed>

From: Sent: To: Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Sunday, April 29, 2001 6:14 PM

Malcolm K. Hughes

Michael E. Mann; rbradley@geo.umass.edu; srutherford@virginia.edu

Re: MAy 19-21

<x-flowed>

oops.Ok, yes that would work great... mike

At 03:05 PM 4/29/01-0700, Malcolm K.Hughes wrote:

>Mike- note - I'm suggesting Tuesday morning rather than Monday

>morning, Cheers, Malcolm Quoting "Michael E. Mann"

><mann@multiproxy.evsc.virginia.edu>:

>

>> HiMalcolm,

>>

>> The only problem is that I'm not yet sure whether I'll return from

>> Marblehead sunday night or monday morning. If the latter, the

>> morning might be problematic, though la te morning would probably be

>> doable. Will let you know as soon as I can be more specific...

>>

>>mike

>>

>> At 12:13 PM 4/29/01-0700,Malcolm K. Hughes wrote:

>>>How about making it Tuesday morning? Cheers, Malcolm

>>>

>>>Quoting "Michael E. Mann" <mann@multiproxy.evsc.virginia.edu>:

>>>

>>>> Dear Ray and Malcolm,

>>>>

>>>> I too will be cutting it a bit close, returning from Marblehead

>>>>late sunday evening. But if plan to meet in the la te morning

>>>>through

>> mid-afternoon,

>>>>that sounds like the best compromise.By cc of this to Scott,

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> > > he'll be able to make it up at that time too. Scott?

>>>>

>> >>off to seattle now,

>>> >

>>> >mike

>> >>

> >>>At 01:28 PM 4/28/01-0400, Raymond S. Bradley wrote:

> >>>>I get back May 20th@ 11.56pm....I guess i'll be quite tired

>>>>>the

>>next

>>>>day,

>>>>>but am willing/happy to meet you & Mike if you'all think that

>>>>>will

>>>>work.

>>>>>

>>>>>ray

>>>>>

> > > >At 10:42 AM 4/28/01-0700, you wrote:

> > > >»Any word? Cheers, Malcolm

> >>>>»Malcolm Hughes

> > > >»Professor of Dendrochronology

>>>>>»Laboratory of Tree-Ring Research University of Arizona Tucson,

> > > >»AZ 85721

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>>>> Professor Michael E. Mann

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<http://www.evsc.virginia.edu/faculty/people/mann.shtml>

</x-flowed>

From: Sent: To:

Subject:

Malcolm K. Hughes <mhughes@ltrr.arizona.edu> Sunday, April 29, 2001 6:05 PM

Michael E. Mann

Re: MAy 19-21

Mike - note - I'm suggesting Tuesday morning rather than Monday morning, Cheers, Malcolm Quoting "Michael E.

Mann" <mann@multiproxy.evsc.virginia.edu>:

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> Mike

>

> At 12:13 PM 4/29/01-0700, Malcolm K. Hughes wrote:

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>



Professor Malcolm K. Hughes Laboratory of Tree-Ring Research W.Stadium 105  
University of Arizona  
Tucson, AZ 85721 phone 520-621-6470 fax 520-621-8229

From: Sent: To:

Cc: Subject:

Malcolm K. Hughes <mhughes@ltrr.arizona.edu> Sunday, April 29, 2001 3:13 PM

Michael E. Mann

Raymond S. Bradley; Malcolm Hughes; srutherford@virginia.edu; mann@virginia.edu

Re: MAy 19-21

How about making it Tuesday morning? Cheers, Malcolm

Quoting "Michael E. Mann" <mann@multiproxy.evsc.virginia.edu>:

> Dear Ray and Malcolm,

>

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> mid-afternoon, that sounds like the best compromise. By cc of this to

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> off to seattle now,

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From: Sent: To: Cc:

Subject:

Malcolm K. Hughes <mhughes@ltrr.arizona.edu> Sunday, April 29, 2001 3:13 PM

Michael E. Mann

Raymond S. Bradley; Malcolm Hughes; srutherford@virginia.edu; mann@virginia.edu

Re: MAy 19-21

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> » Malcolm Hughes

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Tucson,AZ 85721 phone 520-621-6470 fax 520-621-8229

From: Sent: To: Cc:

Subject:

Michael E. Mann <mann@multiproxy.evsc.virginia.edu> Sunday, April 29, 2001 12:51 PM

Raymond S. Bradley; Malcolm Hughes srutherford@virginia.edu;mann@virginia.edu

Re: MAy 19-21

<x-flowed>

Dear Ray and Malcolm,

I too will be cutting it a bit close, returning from Marblehead late Sunday evening. But if plan to meet in the late morning through mid-afternoon, that sounds like the best compromise. By cc of this to Scott, I'm seeing if he'll be able to make it up at that time too. Scott?

off to Seattle now, Mike

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>ray

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» Any word? Cheers, Malcolm

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>Paleoclimatology Book Web Site (1999):

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Charlottesville,VA 22903



e-mail:mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137  
http://www.evsc.virginia.edu/faculty/people/mann.shtml

</x-flowed>

From: Sent To:

Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Sunday, April 29, 2001 12:14 PM

Malcolm K. Hughes

Michael E. Mann; rbradley@geo.umass.edu; srutherford@virginia.edu

Re: MAy 19-21

<html>

oops. Ok,yes that would work great...<br> <br> mike<br> <br> At 03:05 PM 4/29/01-0700, Malcolm K. Hughes wrote:<br> <blockquote type=cite class=cite cite>Mike- note - I'm suggesting Tuesday morning rather than Monday morning,Cheers, <br> Malcolm<br> Quoting &quot;Michael E. Mann&quot;

&lt;mann@multiproxy.evsc.virginia.edu&gt;;<br>

<br>

&gt; Hi Malcolm,<br>

&gt;<br>

&gt;The only problem is that I'm not yet sure whether I'll return from<br> &gt; Marblehead sunday night or monday morning. If the latter, the morning<br> &gt;might<br> &gt; be problematic, though late morning would probably be doable. Willlet<br> &gt;you<br> &gt; know as soon as I can be more specific...<br> &gt;<br> &gt;mike<br> &gt;<br>

> At 12:13 PM 4/29/01-0700, Malcolm K.Hughes wrote:<br> >>>How about making it Tuesday morning? Cheers, Malcolm<br> >>><br> >>>Quoting "Michael E.Mann"

<mann@multiproxy.evsc.virginia.edu><br>

> >><br>

> >>> Dear Ray and Malcolm,<br> >>>>><br> >>> >>>I too will be cutting it a bit close, returning from Marblehead late<br> >>>>>sunday<br> >>> >>> evening. But if plan to meet in the late morning through<br> >>>mid-afternoon,<br> >>> >>>>> that sounds like the best compromise. By cc of this to Scott, I'm<br> >>>seeing<br> >>> >>> >>> if<br> >>> >>>>> he'll be able to make it up at that time too. Scott?<br> >>

>>><br> >>>>>off to seattle now,<br> >>> >>>>><br> >>> >>> >>> mike<br> >>><br> >>

>>>At 01:28PM 4/28/01-0400, Raymond S. Bradley wrote:<br> >>>> >>>>>I get back May 20th @ 11.56pm....I guess i'll be quite tired the<br> >>>next<br> >>> >>>>> day< , br> >>> >>> >>>>>but am willing/happy to meet you & Mike if you'all think that will<br> >>>>>work.<br> >>>>> >>>>><br> >>><br>

>>>>>>ray<br> >>>>>>>><br> >>>>>>>>At 10:42 AM 4/28/01-0700, you wrote:<br> >>

>>> >>>>>Any word? Cheers, Malcolm<br> >>> >>> >>>>>>Malcolm Hughes<br> >>> >>>

>>>>>Professor of Dendrochronology<br> >>>>>> >>>>>laboratory of Tree-Ring Research<br> >>>>>

>>>>>>University of Arizona<br> >>>>> >>>>>>>>Tucson,AZ 85721<br> >>>>>>>>520-621-

6470<br> >>>>> >>>>>>>>fax 520-621-8229<br> >>>>>>>><br> >>>>>>>> >>>>> Raymond S. Bradley<br> >>>>>>>>>Professor and Head of Department<br> >>>>>>>>>Department of Geosciences<br> >>>>>>>>>University of Massachusetts<br> >>>>>>>>>Amherst, MA 01003-5820<br>

>>>>>>>><br> >>>>>>>> >>>>>Tel:413-545-2120<br> >>>>>>>>>Fax:413-545-1200<br> >>>>>

>>>>>Climate System Research Center: 413-545-0659<br> >>>>>>>> >>>>>Climate System Research Center Web Page:<br> >>> >>> >>>>><a href="http://www.geo.uma ss.edu/climate/climate.html" eudora="autourl">http://www.geo.umass.edu/climate/climate.html</a>>><br>

>>>>> >>>>>Paleoclimatology Book Web Site (1999):<br> >>>>>>>> >>>>><a href="http://www.geo.umass.edu/climate/paleo/html" eudora="autourl">http://www.geo.umass.edu/climate/paleo/html</a><br>

>>>>>>>><br>

>>> >>>>>>>><br>

>>> >>>>>> >>><br>









171

-----

From: Sent: To: Cc:

Subject:

Raymond S. Bradley <rbradley@geo.umass.edu> Saturday, April 28, 2001 11:28 PM

Malcolm Hughes

mann@multiproxy.evsc.virginia.edu

Re: MAy 19-21

<x-flowed>

I get back May 20th@ 11.56pm....J guess i'll be quite tired the next day, but am willing/happy to meet you & Mike if you'all think that will work.

ray

At 10:42 AM 4/28/01-0700, you wrote:

>Any word? Cheers, Malcolm

>Malcolm Hughes

>Professor of Dendrochronology

>Laboratory of Tree-Ring Research

>University of Arizona

>Tucson, AZ 85721

>520-621-6470

>fax 520-621-8229

Raymond S. Bradley

Professor and Head of Department Department of Geosciences University of Massachusetts Amherst, MA  
01003-5820

Tel: 413-545-2120

Fax: 413-545-1200

Climate System Research Center: 413-545-0659 Climate System Research Center Web Page:

<<http://www.geo.umass.edu/climate/climate.html>> Paleoclimatology Book Web Site (1999):

<http://www.geo.umass.edu/climate/paleo/html>

</x-flowed>

From: Sent: To:

Cc:



Subject:

Malcolm K. Hughes <mhughes@ltr.arizona.edu> Friday, April 27, 2001 3:04 PM

Raymond S. Bradley mann@virginia.edu

MAy 19-21

Dear Ray- Mike says he will be in Amherst for some of Monday. I can get a really good fare if I arrive Saturday early evening and depart from Bradley at

6.15 on Monday 21May. Unless I hear to the contrary from either of you, I'll go ahead and get this ticket.  
Cheers, Malcolm

From: Sent: To:

Subject:

Dear ENSO session speakers,

Keith Alverson <keith.alverson@pages.unibe.ch> Thursday, April 19, 2001 8:50 AM

Mike Mann; Julie Cole; Gerrit Burgers; Malcolm K. Hughes; Bette Otto-Biiesner;

utsets@yahoo.com; utset@isch.edu.cu

Amsterdam Congress ENSO session

This is a reminder that you must all register for the GCOSM meeting before April 30 (invited speakers are not exempt from this requirement!). To register please go to the website <http://www.sciconf.igbp.kva.se> and follow the instructions.

The tentative session timetable is attached. Should you have further questions let me know. Gerrit and I are looking forward to seeing you all in Amsterdam, and to a productive session.

Keith

Keith Alverson

Executive Director

PAGES International Project Office Barenplatz 2,3011Bern Switzerland

<http://www.pages-igbp.org>

Tel: +4131312 3133

Fax: +4131312 3168

Attachment Converted: "C:\WINDOWS\DESKTOP\Attach\sessionA3.doc"

From: Sent: To:

Subject:

Zhang Zhihua <[zhangzh@homeway.com.cn](mailto:zhangzh@homeway.com.cn)> Thursday, January 27, 2000 9:32 PM [mann@virginia.edu](mailto:mann@virginia.edu)

your mail

Dear Prof. Mann,

I am glad to receive your message. Thank you very much for trying to offer a phone call to me. before 9am I am always at home, is tommorrow morning(Beijing time) convenient for you? Next Monday I will come back to my hometown for Spring Festival.

Best regards, Zhang,

Zhang Zhihua

Research associate Professor

Open Laboratory on Climate Studies

National Climate Center

No.46, Baishiqiao Road, Haidian

Beijing 100081P.R. China

E-mail address: Zhangzh@homeway.com.cn

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional/fEN"> <HTML><HEAD> <META content="text/html;

charset;;gb2312" http-equiv=Content-Type> <META content="MSHTML 5.00.2614.3500" name=GENERATOR>

<STYLE></STYLE> </HEAD> <BODY bgColor=#ffffff> <DIV><FONT size;;2>Dear Prof. Mann,</FONT></DIV>

<DIV>&nbsp;</DIV> <DIV><FONT size=2>I am glad to receive your message. Thank you very much for trying to offer a phone call to me. before 9am I am always at home, is tommorrow morning(Beijing time) convenient for you? Next Monday I will come back to my hometown for Spring Festivai.</FONT></DIV> <DIV>&nbsp;</DIV> <DIV><FONT size=2><BR>Best regards,</FONT></DIV> <DIV>&nbsp;</DIV> <DIV><FONT size=2><BR>Zhang,</FONT></DIV>

<DIV>&nbsp;</DIV> <DIV><FONT size=2>-----<BR>&nbsp;<BR>Zhang Zhihua<BR>Research associate Professor<BR>Open Laboratory on Climate Studies<BR>National Climate Center<BR>No.46, Ba ishiqiao Road, Haidian<BR>Beijing 100081P.R.China<BR>E-mail address: <A

href="mailto:Zhangzh@homeway.com.cn">Zhangzh@homeway.com.cn</A><BR>&nbsp;<BR>-----

-----</FONT></DIV>

<DIV>&nbsp;</DIV>

<DIV><FONT size=2></FONT>&nbsp;</DIV>

<DIV>&nbsp;</DIV>

<DIV><FONT size=2></FONT>&nbsp;</DIV>

<DIV>&nbsp;</DIV>

<DIV><FONT size=2>&nbsp;<BR></FONT></DIV></BODY></HTML>From ???@??? Fri Jan 28 01:29:52 2000

Received: from unix.maii.Virginia.EDU (unix.maii.Virginia.EDU [128.143.2.28])

by multiproxy.evsc.Virginia.EDU (8.9.3/8.9.3) with ESMTP id BAA27175

for <mann@multiproxy.evsc.Virginia.EDU>;Fri, 28 Jan 2000 01:12:52 -0500 (EST) Received: from mail.virginia.edu (mai.Virginia.EDU [128.143.2.9])

by unix.maii.Virginia.EDU (8.8.7/8.8.7) with SMTP id BAA73084

for <mem6u@unix.mail.virginia.edu>;Fri,28 Jan 2000 01:13:45-0500

Received: from multiproxy.evsc.virginia.edu by mail.virginia.edu id aa12221;

28 Jan 2000 1:13 EST

Received: from mem6u95.virginia.edu (ppp-31-8.itc.Virginia.EDU (128.143.3.108))

by multiproxy.evsc.Virginia.EDU (8.9.3/8.9.3) with SMTP id BAA27171 for <mann@virginia.edu>;Fri,28 Jan 2000 01:12:48 -0500 (EST)

Message-Id: <1.5.4.32.20000128061938.0101d428@multiproxy.evsc.virginia.edu> X-

Sender:mann@multiproxy.evsc.virginia.edu

X-Mailer: Windows Eudora Light Version 1.5.4 (32) Mime-Version:1.0

Date: Fri, 28 Jan 2000 01:19:38 -0500

To: mann@virginia.edu

From: "Michael E. Mann" <mann@virginia.edu> Subject: REPLY TO OVERPECK

Content-Type: text/plain;charset="us-ascii"

X-UIDL: 811014ee1969c123cddcf88974a0aa6f

Professor Michael E. Mann

Department of Environmental Sciences,Clark Hall

University of Virginia

Charlottesville,VA 22903

e-mail:mann@virginia.edu Phone:{804} 924-7770 FAX: (804) 982-2137

<http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To:

Subject:

Michael E. Mann <mann@virginia.edu> Sunday, December 19, 1999 7:28 PM mann@virginia.edu

stuff to do

call united mileage plus, sort out, request address change, statement review ghil paper respond to overpeck request

From: Sent: To:

Subject:

via automated response <jto@luna.ngdc.noaa.gov> Monday, November 29, 1999 11:29 AM  
mann@multiproxy.evsc.virginia.edu

Peck has a new email address: jto@u.arizona.edu

Your email has been forwarded to Jonathan Overpeck at his new mail address. His new email address is:  
jto@u.arizona.edu

Please send all future email to his new address. Thank you

From: Sent: To: Cc:

Subject:

Lucia Katz < lucia@cdc.noaa.gov> Wednesday, April17, 2002 1:39PM

'Alexy';'David Meko';'David Stahle'; 'Ed'; 'Greg';'Malcom';'Michael'; 'Ray ';'Tom'

'Connie Woodhouse';jyd@cdc.noaa.gov;lucia@cdc.noaa.gov

RE: 19th century workshop

Follow Up Flag:

Flag Status:

Follow up

Flagged

Content-Type: text/plain;

charset="iso-8859-1"

X-MIME-Autoconverted: from 8bit to quoted-printable by cdc.noaa .gov id g3HHelX11274

Dear Workshop Participant,

Hello, my name is Lucia I will be helping with your travel arrangements and reimbursement paperwork.

This is the 800 number for the travel agency (SATO) in charge of your flight arrangements, please call them as soon as possible:1-800-736-9899. When you call be sure to tell them that you are an invitational traveler and you need government contract rates and carriers. When you make your reservations also be sure to have a copy of your itinerary/invoice emailed to me at [lucia@cdc.noaa.gov](mailto:lucia@cdc.noaa.gov). and please let me know via email how much the ticket will cost. To complete your travelauthorization I will need to know the cost of your ticket,your full name address,fax#, Phone#, and social security number. Once the authorization is complete I will fax you a copy, you will need to carry this with you when you travel as proof that you are a government invitational traveler.

Your hotel accommodations will be through the Best Western in Boulder at 770 28th St., (303) 449-3800. You will need to make your own hotel reservations BY APRIL 30- and use group ID NIAH to get the discounted workshop rate. Because of the workshop budget you should be aware that not all of your travel expenses will be covered. Currently each traveler will be paid between \$140 and \$150 for lodging and per diem for the workshop. Hotel charges will need to be paid by the individual traveler.

Attached to this email you will find a "CAMS Payment Profile form"

This form is for you to fill out and return to me (regular mail) for reimbursement via direct deposit. Please mail this to me as soon as you can.

Let me know if you have any questions, Lucia Katz

NOAA/Climate Diagnostics Center

325 Broadway Rd, R/CDC Boulder, CO 80305

303-497-6188

Attachment Converted: "C:\WINDOWS\DESKTOP\Attach\CAMS PAYMENT PROFILE FORM.doc"

1

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From: Sent: To:



Subject:

Follow Up Flag: Flag Status:

Connie Woodhouse <Connie.Woodhouse@noaa.gov> Tuesday, April 16, 2002 4:33 PM

Anne.Waple@noaa.gov; David.Easterling@noaa.gov;rbradley@geo.umass.edu; mann@virginia.edu;  
drdendro@ldeo.columbia.edu; dmeko@ltrr.arizona.edu; alexeyk@ldeo.columbia.edu;  
tswetnam@ltrr.arizona.edu; mhughes@ltrr.arizona.edu; gzielinski@maine.edu;  
dstahle@uark.edu;Christopher.D.Miller@noaa.gov; woodhous@ngdc.noaa.gov

19th C workshop travel

Follow up

Flagged

Dear colleagues,

We've determined that our funding from CCDD,CDC and NOAA Paleo for the 19th Century Climate Workshop will allow us to cover airfare for everyone (with the exception of those of you who are NOAA employees- sorry, you need to have NOAA cover your travel expenses}, with a small amount left over that will go toward reimbursement of your other costs.

For information about making flight arrangements and reimbursement, all of you need to contact Lucia Katz {lucia@cdc.noaa.gov}. Please do this as soon as possible so she can get paperwork started. {Once again, we will be starting at 9 am on Saturday June 1 and ending about 1pm on Sunday June 2,so plan to arrive Friday evening,and for some of you, it will be possible to get flights out Sunday pm).

For hotel,I have reserved a block of rooms at the Best Western Boulder Inn,770 28th St { 15 minute walk to NOAA),

{303} 449-3800. The room rate is \$69/night,(which is a great rate for Boulder - the hotel was recently remodeled and the rating has gone from 2 diamonds to 3 diamonds, whatever that means...this also includes a continental breakfast). When you make reservations, be sure to mention the Group 10 which is NIAH. The DEADLIINE for making reservations to get this rate is APRIL 30th.

More details will follow in May.

Henry and I look forward to seeing you all in June!

best regards, Connie

Connie Woodhouse

NOAA Paleoclimatology Program

325 Broadway E/GC Boulder,CO 80305

USA

tel:{303} 497-6297 fax: (303) 497-6513

e-mail: [Connie.Woodhouse@noaa.gov](mailto:Connie.Woodhouse@noaa.gov) or [woodhous@ngdc.noaa.gov](mailto:woodhous@ngdc.noaa.gov)

Sent To: Subject:

Tuesday, April 30, 2002 10:58 AM Michael E. Mann

Re: Lamont

Follow Up Flag: Flag Status:

Follow up

Flagged

<x-flowed> Hi Mike,

Karen has forwarded the email I sent on to Pam Stambaugh in Contracts & Grants <pam@admin.ldeo.columbia.edu>. She is the one who really makes this stuff happen and is the one that your grants administrator should probably talk to if the need arises.

Cheers, Ed

=====

Or. Edward R. Cook

Doherty Senior Scholar

Tree-Ring Laboratory

Lamont-Doherty Earth Observatory Palisades, New York 10964 USA Phone:1-845-365-8618

Fax: 1-845-365-8152

Email:drdendro@ldeo.columbia.edu

=====

</x-flowed>

Sent: To: Cc:

Subject:

Tuesday, April 30, 2002 9:29 AM Michael E. Mann

Karen Hoffer

Re: Lamont

Follow Up Flag: Flag Status:

Follow up

Flagged

<x-flowed> Hi Mike,

As far as I know, the money has arrived here at Lamont. Karen Hoffer, our Division Administrator, can check into the status of the sub-contract. I will talk about it with her today.

Cheers, Ed

>Dear Rosanne/Ed,

>

>Any possibility you could check w/ the Lamont contracts people about

>the status of our sub-contract? I'm relying on this sub-contract, in

>part, to support Ben over the summer. I can probably scrounge around

>for money elsewhere in the meantime, but it would make things much

>easier if we could get this to clear within the next 2 weeks!

>

>Thanks,

>

>Mike

>

>

> Professor Michael E. Mann

> Department of Environmental Sciences, Clark Hall

> University of Virginia  
> Charlottesville, VA 22903  
>

>e-mail:mann@virginia.edu Phone: (434) 924-7770 FAX:(434) 982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.shtml>

=====  
Dr. Edward R. Cook  
Doherty Senior Scholar  
Tree-Ring Laboratory  
Lamont-Doherty Earth Observatory  
Palisades, New York 10964 USA

Phone: 1-845-365-8618  
Fax: 1-845-365-8152  
Email: drdendro@ldeo.columbia.edu

=====  
</x-flowed>



2

From: Sent: To: Cc:

Subject:

Michael E. Mann <mann@multiproxy.evsc.virginia.edu? Tuesday, April 30, 2002 9:21AM  
druidrd@ldeo.columbia.edu; Edward Cook nrg2p@virginia.edu;mann@virginia.edu

Lamont

Follow Up Flag:

Flag Status:

Follow up

Flagged

<x-flowed>

Dear Rosanne/Ed,

Any possibility you could check w/ the Lamont contracts people about the status of our sub-contract? I'm relying on this sub-contract, in part, to support Ben over the summer. I can probably scrounge around for money elsewhere in the meantime, but it would make things much easier if we could get this to clear within the next 2 weeks!

Thanks, Mike

Professor Michael E. Mann

Department of Environmental Sciences, Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail: [mann@virginia.edu](mailto:mann@virginia.edu) Phone: (434) 924-7770 FAX: (434) 982-2137  
<http://www.evsc.virginia.edu/faculty/people/mann.shtml>



</x-flowed>

From: Sent: To: Cc:

Subject:

tom crowley <tom@ocean.tamu.edu> Saturday, March 03, 2001 10:54 AM drdendro@ldeo.columbia.edu

Julia Cole; woodhous@ngdc.noaa.gov; Michael Evans; Kaplan; D'Arrigo; Hughes; Cook; Mann; Russell Vose; Robin Webb; Cane; David Easterling; Dave Anderson; Crowley; dunbarro@nbp.polar.org; Tom Delworth; Dunbar; dstahle@comp.uark.edu; kew@cdc.noaa.gov

RE: Re: CCDD proposal

I second Eds motion- I am out of the country for the rest of the month and therefore waive my right to any final vote on this matter that might be different than Ed's

Tom

Thomas J . Crowley Dept.of Oceanography Texas A&M University

College Station,TX 77843-3146

979-845-0795

979-847-8879 { fax)

979-845-6331 {alternate fax)

Sent: To: Cc:

Subject:

Friday, November 10, 2000 2:40 PM Malcolm Hughes nrg2p@virginia.edu

Arizona proposal

Malcolm,

Can you help? Thanks....

m

>X-Sender: nrg2p@unix.mail.virginia.edu

>Date: Fri,10 Nov 2000 18:07:26 -0500

>To:MichaelMann <mann@virginia.edu>

>From: Neal Grandy <nrg2p@virginia.edu>

>Subject: Arizona proposal

>

>Mike,

>

>Do you know the dates on Arizona's proposal? I need to plug those in.

>

>Thanks,

>Neal

>

>Neal R. Grandy

>Grants Administrator,Environmental Sciences University of Virginia,

>P.O. Box 400123 Charlottesville, VA 22904-4123

>Tel: 804-924-1495 Fax: 804-982-2137

>

>

>

Sent:

To:

Subject:

Sunday, November 12, 2000 2:10 PM Me

REPLY TO J. GEISLER

>Date:Fri,10 Nov 2000 17:37:49 -0500

>From:Jennifer Giesler <JGiesler@agu.org>

>Subject: Re: workshop in Charlottesville

>To: "Michael E. Mann" <mann@multiproxy.evsc.virginia.edu>

>Cc: "Verardo,David J." <dverardo@nsf.gov>

>Organization: AGU

>X-Accept-Language: en,pdf

>References:

><3.0.6.32.20001109140350.00b43cfO@multiproxy.evsc.virginia.edu>

>

>Dear Dr.Mann,

>

>I will need e-mails for all the meeting attendees. Either my assistant

>or I will send an e-mail out to everyone at once discussing the

>logistics. We can prepare advances and charge airfare directly to AGU

>(so that people don't need to use their credit card) to help save the attendees money.

>

>I ask each person to respond to our message with their address and then

>we mail them the appropriate forms. I will tell everyone that receipts

>are NEEDED for EVERYTHING or they will not be reimbursed. Since these

>are NSF funds I have to account for where they are spent.

>

>I will be attending the GSA meeting next week and won't be back in the

>office until 11/20.

>

>Please feel free to contact me if you have any questions.

>

>Jennifer Giesler

>\*\*\*\*\*

>Jennifer Giesler

>Career Services Manager

>American Geophysical Union

>2000 Florida Avenue, NW

>Washington, DC 20009

>p: (202) 777-7512

>f: (202) 328-0566

>jgiesler@agu.org

>\*\*\*\*\*

>

>"Michael E. Mann" wrote:

>

>>Dear Jennifer,

>>

»Thanks in advance for your help. I would like to invite the following

»14 U.S.scientists+3 govt. agency representatives to this event. I

»am hoping that some can supplement travel costs,and the available

»10K will be used for the rest.

>>

»R. Bradley Geosciences Department, University of Massachusetts, Amherst MA

»M. Hughes (Laboratory of Tree Ring Research, University of Arizona;

»currently on leave at Geosciences Dept., Univ of Massachusetts,

»Amherst, MA) J. Overpeck (Inst. for Study of Planet Earth, University

»of Arizona)

>>

»T. Crowley (Texas A&M Univ,College Station TX)

»E.Cook (Lamont Doherty,Columbia Univ)

»R. Webb (NOAA/CDC Boulder CO}

»M.Cane (Lamont Doherty,Columbia Univ)

»M.Evans (Harvard Univ, Earth and Planetary Sciences)

»D. Battisti (Dept. of Atmospheric Sciences, University of Washington)

»K. Hughen (Woods Hole)

»J. Lean (Naval Resarch Laboratory)

»J. Cole (U.Arizona geology dept)

»E.Sarachik (Oceanography Dept., University of Washington) B.

»Reichert (Dept. Geology & Geophysics, University of Massachusetts)

>>

»The following govt. agency program representatives will also be

>>invited and should be able to cover their costs:

>>

»D. Verardo NSF

»M. Eakin NOAA (ESH)

»C. Woodhouse NOAA

>>>From: "Verardo,David J." <dverardo@nsf.gov>

>>To: "jgiesler@agu.org" <jgiesler@agu.org>

>>Cc: "mann@virginia.edu" <mann@virginia.edu>

>>Subject: workshop in Charlottesville

>>Date: Thu, 9 Nov 2000 12:18:21-0500

>>X-Mailer: Internet Mail Service (5.5.2650.21)

>> >

»>Dear Jennifer,

»>NSF will provide \$10,000 out of the AGU grant towards funding the

»>workshop;"Reconstructing Late Holocene Climate"

»>in Charlottesville, Va. 17-20 April2000. Michael Mann in the

»>Department of Environmental Sciences at the University of Virginia

»>is organizing the workshop. Thanks in advance for your help!

>> >

»>Contact info:

»>Michael E. Mann

»>Department of Environmental Sciences,Clark Hall University of

»>Virginia Charlottesville, VA 22903

»>e-mail: mann@virginia.edu Phone:(804) 924-7770 FAX:(804) 982-2137

>> >

»>Mike, please contact Jennifer Giesler at AGU (202-777-7512;

»>jgiesler@agu.org) to talk about details (i.e.,names and contact  
»>info for participants,logistics, etc.).

>> >Regards,

»>Dave

>> >

>> >

»>David J . Verardo

»>Director, Paleoclimate Program

»>National Science Foundation

»>GEO/ATM Room 775

»>4201Wilson Boulevard

»>Arlington, VA 22230

»>tel:703-292-8527

»>fax: 703-292-9023

»>email: dverardo@nsf.gov

>> >

>> >

>> >

>>

» Professor Michael E. Mann

» Department of Environmental Sciences,Clark Hall

» University of Virginia

» Charlottesville, VA 22903

>>

»e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: ( 804) 982-2137

» <http://www.evsc.virginia.edu/faculty/people/mann.html>

>

>

>



-

From: Sent: To:

Subject:

Michael E. Mann <mann@virginia.edu> Sunday, November 12, 2000 7:10 PM Michael E. Mann

REPLY TO J. GEISLER

>Date: Fri, 10 Nov 2000 17:37:49 -0500

>From: Jennifer Giesler <JGiesler@agu.org>

>Subject: Re: workshop in Charlottesville

>To: "Michael E. Mann" <mann@multiproxy.evsc.virginia.edu>

>Cc: "Verardo, David J." <dverardo@nsf.gov>

>Organization: AGU

>X-Accept-Language: en, pdf

>References:

><3.0.6.32.20001109140350.OOb43cfO@multiproxy.evsc.virginia.edu>

>

>Dear Dr. Mann,

>

>I will need e-mails for all the meeting attendees. Either my assistant

>or I

will

>send an e-mail out to everyone at once discussing the logistics. We can

>prepare advances and charge airfare directly to AGU (so that people

>don't need to use their credit card} to help save the attendees money.

>

>I ask each person to respond to our message with their address and then

>we mail them the appropriate forms. I will tell everyone that receipts

>are NEEDED for EVERYTHING or they will not be reimbursed. Since these

>are NSF funds I have to account for where they are spent.

>

>I will be attending the GSA meeting next week and won't be back in the

>office until 11/20.

>

>Please feel free to contact me if you have any questions.

>

>Jennifer Giesler

>\*\*\*\*\*

>Jennifer Giesler

>Career Services Manager

>American Geophysical Union

>2000 Florida Avenue, NW

>Washington,DC 20009

>p:(202) 777-7512

>f: (202) 328-0566

>jgiesler@agu.org

>\*\*\*\*\*

>

>"Michael E. Mann" wrote:

>

>>Dear Jennifer,

>>

»Thanks in advance for your help. I would like to invite the following

»14 U.S. scientists+3 govt. agency representatives to this event. I

>>am hoping that some can supplement travel costs, and the available

»I OK will be used for the rest.

>>

»R. Bradley Geosciences Department, University of Massachusetts, Amherst MA

»M. Hughes (Laboratory of Tree Ring Research, University of Arizona;

»currently on leave at Geosciences Dept., Univ of Massachusetts,

»Amherst, MA) J . Overpeck (Inst. for Study of Planet Earth, University

»of Arizona)

>>

»T. Crowley (Texas A&M Univ, College Station TX)

»E. Cook (Lamont Doherty, Columbia Univ)

» R. Webb (NOAA/CDC Boulder CO)

»M. Cane (Lamont Doherty, Columbia Univ)

»M. Evans (Harvard Univ, Earth and Planetary Sciences)

»D. Battisti (Dept. of Atmospheric Sciences, University of Washington)

>> K. Hughen (Woods Hole)

»J. Lean (Naval Resarch Laboratory)

»J. Cole (U.Arizona geology dept)

»E. Sarachik (Oceanography Dept.,University of Washington) B.

»Reichart (Dept.Geology & Geophysics, University of Massachusetts)

>>

»The following govt. agency program representatives will also be

>>invited and should be able to cover their costs:

>>

»D. Verardo NSF

»M. Eakin NOAA (ESH)

»C. Woodhouse NOAA

>>>From: "Verardo, David J." <dverardo@nsf.gov>

»»To: "jgiesler@agu.org" <jgiesler@agu.org>

>> >Cc: "'mann@virginia.edu" <mann@virginia.edu>

»»Subject: workshop in Charlottesville

»»Date:Thu,9 Nov 2000 12:18:21-0500

»»X-Mailer:Internet Mail Service (5.5.2650.21)

>> >

>> >Dear Jennifer,

»»NSF will provide \$10,000 out of the AGU grant towards funding the

>> >workshop; "Reconstructing Late Holocene Climate"

»»in Charlottesville,Va. 17-20 April 2000. Michael Mann in the

»»Department of Environmental Sciences at the University of Virginia

»»is organizing the workshop. Thanks in advance for your help!

>> >

»»Contact info:

»»Michael E.Mann

»»Department of Environmental Sciences, Clark Hall University of

»»Virginia Charlottesville,VA 22903

»»e-mail:mann@virginia.edu Phone:{804} 924-7770 FAX: (804) 982-2137

>> >

»»Mike, please contact Jennifer Giesler at AGU (202-777-7512;

»»jgiesler@agu.org) to talk about details (i.e.,names and contact

»»info for participants, logistics, etc.).

>>>Regards,

>>>Dave

>> >

>> >

»»David J. Verardo

»»Director, Paleoclimate Program

»»National Science Foundation

»>GEO/ATM Room 775  
»>4201Wilson Boulevard  
»>Arlington, VA 22230  
»>tel: 703-292-8527  
»>fax:703-292-9023  
»>email: dverardo@nsf.gov

>> >

>> >

>> >

>>

» Professor Michael E. Mann  
» Department of Environmental Sciences,Clark Hall  
» University of Virginia  
» Charlottesville, VA 22903

>>

»e-mail: mann@virginia.edu Phone:(804) 924-7770 FAX: (804) 982-2137

» <http://www.evsc.virginia.edu/faculty/people/mann.html>

>

>

>

Professor Michael E. Mann

Department of Environmental Sciences,Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX:(804) 982-2137

<http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Monday, November 13, 2000 1:02 PM Neal Grandy

Malcolm Hughes <mhughes@ltrr.arizona.edu>; Michael Mann

Re: Fwd: dates

Oops. My mistake. Thanks for clarifying Neal, mike

At 05:46PM 11/13/00 -0500, Neal Grandy wrote:

>Professor Hughes,

>

>In regard to Mike Mann's message, the dates I need are the dates of the

>proposal. That is, the "from" and "to" dates. Knowing when you need it

>will help, of course, but since it is due Nov. 30th I am trying to get

>UVA approvals by early next week. (In other words, we'll be done long

>before Florida is, or at least long before the election is decided!)

>

>Thanks,

>Neal

>

>>X-Sender:mann@multiproxy.evsc.virginia.edu

»X-Mailer:QUALCOMM Windows Eudora Light Version 3.0.6 (32)

»Date: Mon, 13 Nov 2000 17:13:44 -0500

» To: mhughes@ltrr.arizona.edu

»From: "Michael E. Mann" <mann@multiproxy.evsc.virginia.edu>

»Subject: dates

>>Cc: nrg2p@virginia.edu

>>

>>Dear Malcolm,

>>

» Just a friendly reminder. Our grants administrator, Neal Grandy (cc'd  
»in on the message), needs to know when U.A. needs to have the  
»paperwork from us, so we can make sure things get processed in advance  
»(it takes several days for us to get our own internal subcontract  
»paperwork through the U.Va system. Kind of like counting votes in  
»Florida !).

>>

»When you have the chance, please send on the info, cc'ing directly to

>>Neal if you would. Thanks for the help,

>>

»mike

>>

>> Professor Michael E. Mann

» Department of Environmental Sciences, Clark Hall

» University of Virginia

» Charlottesville, VA 22903

>>-----

»e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137

» <http://fwww.evsc.virginia.edu/faculty/people/mann.html>

>

>Neal R. Grandy

>Grants Administrator, Environmental Sciences University of Virginia,

>P.O. Box 400123 Charlottesville, VA 22904-4123

>Tel: 804-924-1495 Fax: 804-982-2137

>

>

>

From: Sent: To: Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Monday, November 13 , 2000 5:16 PM Neal Grandy  
mhughes@lrr.arizona.edu; Michael Mann

Re: Fwd: dates

Got it Malcolm,

thanks--looks like your u.va email may be acting up again!

mike

At 06:40PM 11/13/00 -0500, Neal Grandy wrote:

>Malcolm,

>

>Got it. Thanks!



>

>Neal

>

>At 04:28 PM 11/13/2000 -0700,mhughes@ltrr.arizona.edu wrote:

» Dear Neal (and Mike if you're listening in), NOAA have asked us to use

» 5/1/01 as the starting date, and the plan is to go for an 18month

» grant,making the last date 10/31/02.I'd be grateful if you could let

» me know if you get this message, as I did send it some days back and

» it obviously didn't reach you.The University of Arizona is closed

» today for Veterans' Day,but I hope to talk to our SPonsored Projects

» office

» tomorrow(Tuesday) to set a timetable for the submission over the next

>>ten days.

»Cheers,Malcolm

>>

»Quoting Neal Grandy <nrg2p@virginia.edu>:

>>

>>> Professor Hughes,

>> >

»>In regard to Mike Mann's message, the dates I need are the dates of

>>>the proposal. That is,the "from" and "to" dates. Knowing when you

»> need it will help,of course, but since it is due Nov. 30th I am

»>trying to get UVA approvals by early next week. (In other words,

»>we'll be done long before

>> >

»> Florida is,or at least long before the election is decided!)

>> >

>>>Thanks,

>>> Neal

>> >

>> >X-Sender: mann@multiproxy.evsc.virginia.edu

>> >X-Mailer: QUALCOMM Windows Eudora Light Version 3.0.6 (32)

>>>Date: Mon,13 Nov 2000 17:13:44 -0500

>>>To: mhughes@ltrr.arizona.edu

>>>From: "Michael E. Mann" <mann@multiproxy.evsc.virginia.edu>

>>>Subject:dates

>> >Cc: nrg2p@virginia.edu

>>>>

>>>Dear Malcolm,

>> > >

>>>Just a friendly reminder. Our grants administrator,Neal Grandy

>> > >(cc'd

>>>in on

>>>>the message),needs to

>>>>know when U.A. needs to have the paperwork from us, so we can make

>>>>sure things get processed in advance (it takes several days for us

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>>>>own internal subcontract paperwork through the U.Va system. Kind

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>>> like

>>>counting votes in Florida!).

>> > >

>>>When you have the chance, please send on the info, cc'ing directly

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>>>Neal

>>>>if you would. Thanks for the help,

>> > >

>>>>mike

>>>>

>>>>

>>>>

>>>>

>>>>

Professor Michael E. Mann

Department of Environmental Sciences, Clark Hall

University of Virginia

Charlottesville, VA 22903

>>>>

>>>e-mail: mann@virginia.edu Phone:(804) 924-7770 FAX: (804) 982-2137

>>> <http://www.evsc.virginia.edu/faculty/people/rmann.html>

>>>

>>Neal R. Grandy

>>Grants Administrator, Environmental Sciences University of

>>Virginia, P.O. Box 400123 Charlottesville, VA 22904-4123

>>Tel: 804-924-1495 Fax: 804-982-2137

>>>

>>>

>

>Neal R. Grandy

>Grants Administrator, Environmental Sciences University of Virginia,

>P.O. Box 400123 Charlottesville, VA 22904-4123

>Tel: 804-924-1495 Fax: 804-982-2137

>

>

>

From: Sent: To:

Cc:

Subject:

Neal Grandy <nrg2p@virginia.edu> Monday, November 13, 2000 5:47 PM

Malcolm Hughes <mhughes@ltrr.arizona.edu> Michael Mann

Fwd: dates

Professor Hughes,

In regard to Mike Mann's message, the dates I need are the dates of the proposal. That is, the "from" and "to" dates. Knowing when you need it will help, of course, but since it is due Nov. 30th I am trying to get UVA approvals by early next week. (In other words, we'll be done long before Florida is, or at least long before the election is decided!)

Thanks, Neal

>X-Sender: rmann@multiproxy.evsc.virginia.edu

>X-Mailer: QUALCOMM Windows Eudora Light Version 3.0.6 (32)

>Date: Mon, 13 Nov 2000 17:13:44 -0500

>To: mhughes@ltrr.arizona.edu

>From: "Michael E. Mann" <mann@multiproxy.evsc.virginia.edu>

>Subject: dates

>Cc: nrg2p@virginia.edu

>

>Dear Malcolm,

>

>Just a friendly reminder. Our grants administrator, Neal Grandy (cc'd  
>in on the message), needs to know when U.A. needs to have the paperwork  
>from us,so we can make sure things get processed in advance (it takes  
>several days for us to get our own internal subcontract paperwork  
>through the U.Va system. Kind of like counting votes in Florida!).

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>When you have the chance, please send on the info, cc'ing directly to  
>Neal if you would. Thanks for the help,

>

>mike

>

> Professor Michael E. Mann  
> Department of Environmental Sciences,Clark Hall  
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Neal R. Grandy

Grants Administrator, Environmental Sciences University of Virginia, P.O. Box 400123 Charlottesville, VA  
22904-4123

Tel: 804-924-1495 Fax: 804-982-2137

From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Monday, November 13, 2000 6:02PM Neal Grandy

Malcolm Hughes <mhughes@ltrr.arizona.edu>; Michael Mann

Re: Fwd: dates

Oops. My mistake. Thanks for clarifying Neal, mike

At 05:46 PM 11/13/00 -0500, Neal Grandy wrote:

>Professor Hughes,

>

>In regard to Mike Mann's message, the dates I need are the dates of the

>proposal. That is, the "from" and "to" dates. Knowing when you need it

>will help, of course, but since it is due Nov. 30th I am trying to get

>UVA approvals by early next week. {In other words,we'll be done long

>before Florida is, or at least long before the election is decided!)

>

>Thanks,

>Neal

>

»X-Sender: mann@multiproxy.evsc.virginia.edu

»X-Mailer: QUALCOMM Windows Eudora Light Version 3.0.6 (32)

»Date: Mon,13 Nov 2000 17:13:44 -0500

»To: mhughes@ltrr.arizona.edu

>>From: "Michael E. Mann" <mann@multiproxy.evsc.virginia.edu>

»Subject:dates

»Cc: nrg2p@virginia.edu

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<http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To:

Subject:

Neal Grandy <[nrg2p@virginia.edu](mailto:nrg2p@virginia.edu)> Monday, November 13, 2000 6:02 PM Michael E.Mann

Re: Fwd: dates

No sweat.



At 06:01PM 11/13/2000 -0500, you wrote:

>Oops.My mistake. Thanks for clarifying Neal,

>

>mike

>

>At 05:46PM 11/13/00-0500, Neal Grandy wrote:

>>Professor Hughes,

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> »X-Mailer: QUALCOMM Windows Eudora Light Version 3.0.6 (32)

>>Date: Mon,13 Nov 2000 17:13:44 -0500

>>To:mhughes@lrr.arizona.edu

>>From: "Michael E. Mann" <mann@multiproxy.evsc.virginia.edu>

>>Subject: dates

> »Cc: nrg2p@virginia.edu

>>>

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>>>

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>>>

>>>mike

>>>

–

> » Professor Michael E.Mann  
> » Department of Environmental Sciences,Clark Hall  
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>>Tel: 804-924-1495 Fax: 804-982-2137

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Neal R. Grandy

Grants Administrator, Environmental Sciences University of Virginia, P.O. Box 400123 Charlottesville,VA  
22904-4123

Tel: 804-924-1495 Fax: 804-982-2137

From: Sent: To: Cc:

Subject:

mhughes@ltrr.arizona.edu

Monday, November 13, 2000 6:29 PM Neal Grandy

Malcolm Hughes <mhughes@ltrr.arizona.edu>; Michael Mann

Re: Fwd: dates

Dear Neal (and Mike if you're listening in), NOAA have asked us to use 5/1/01 as the starting date, and the plan is to go for an 18month grant, making the last date 10/31/02. I'd be grateful if you could let me know if you get this message, as I did send it some days back and it obviously didn't reach you. The University of Arizona is closed today for Veterans' Day, but I hope to talk to our SPONSORED Projects office

tomorrow (Tuesday) to set a timetable for the submission over the next ten days. Cheers, Malcolm

Quoting Neal Grandy <nrg2p@virginia.edu>:

> Professor Hughes,

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> the proposal. That is, the "from" and "to" dates. Knowing when you

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> be done long before

>

> Florida is, or at least long before the election is decided!)

>

> Thanks,

> Neal

>

> >X-Sender: mann@multiproxy.evsc.virginia.edu

> >X-Mailer: QUALCOMM Windows Eudora Light Version 3.0.6 (32)

>>Date: Mon, 13 Nov 2000 17:13:44 -0500

>>To: mhughes@lrr.arizona.edu

>>From: "Michael E. Mann" <mann@multiproxy.evsc.virginia.edu>

> >Subject: dates

> >Cc: nrg2p@virginia.edu

>>

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>>  
>>mike  
>>

> > Professor Michael E. Mann  
> > Department of Environmental Sciences,Clark Hall  
> > University of Virginia  
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>>e-mail:mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137  
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>P.O. Box 400123 Charlottesville,VA 22904-4123  
> Tel: 804-924-1495 Fax:804-982-2137  
>  
>

From: Sent: To:

Cc:

Subject:

Neal Grandy <nrg2p@virginia.edu> Monday, November 13, 2000 6:41PM mhughes@ltrr.arizona.edu

Michael Mann

Re: Fwd: dates

Malcolm,

Got it. Thanks! Neal

At 04:28PM 11/13/2000 -0700, mhughes@ltrr.arizona.edu wrote:

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>> we'll be done long before

>>

>>Florida is, or at least long before the election is decided!)

>>

>>Thanks,

>>Neal

>>

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>>>Date: Mon,13 Nov 2000 17:13:44 -0500

>>>To: mhughes@lrr.arizona.edu

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>> Neal

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>>>mike

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>>> Professor Michael E. Mann

>>> Department of Environmental Sciences,Clark Hall

>>> University of Virginia

>>> Charlottesville, VA 22903

>>>

>>>e-mail:mann@virginia.edu Phone: {804} 924-7770 FAX:{804} 982-2137

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>>

>> Neal R. Grandy

>> Grants Administrator, Environmental Sciences University of Virginia,

>> P.O. Box 400123 Charlottesville, VA 22904-4123

>> Tel: 804-924-1495 Fax: 804-982-2137

>>

>>



Neal R. Grandy

Grants Administrator, Environmental Sciences University of Virginia, P.O. Box 400123 Charlottesville, VA  
22904-4123

Tel: 804-924-1495 Fax: 804-982-2137

From: Sent: To:

Subject:

Michael E. Mann <mann@virginia.edu> Tuesday, November 28, 2000 2:59 PM nrg2p@virginia.edu

Reconstruction Proposal paperwork

Dear Neal,

Please see below. Apparently, they want to do the funding a bit differently (not as subcontracts). Please let me know what you need from me. I'll get her the CV and C&P...

thanks, mike

>Date: Tue, 28 Nov 2000 15:09:10 -0700

>From: Connie Woodhouse <Connie.Woodhouse@noaa.gov>

>Reply-To: woodhous@ngdc.noaa.gov

>X-Accept-language: en

>To: woodhous@ngdc.noaa.gov

>CC: mark.eakin@noaa.gov, Michael Evans <mevans@fas.harvard.edu>,

> Kaplan <alexeyk@ldeo.columbia.edu>,

> "D'Arrigo" <druidrd@lamont.lidgo.columbia.edu>,  
> Hughes <MHUGHES@Itrr.arizona.edu>,  
> Cook <drdendro@lamont.lidgo.columbia.edu>, Mann <mann@virginia.edu>,  
> Russell Vose <Russeii.Vose@noaa.gov>, Robin Webb <rwebb@cdc.noaa.gov>,  
> Cane <mcane@ldeo.columbia.edu>,  
> David Easterling <David.Easterling@noaa.gov>,  
> Dave Anderson <dma@luna.ngdc.noaa.gov>,  
> Crowley <tcrowley@ocean.tamu.edu>,  
> Tom Delworth <Tom.Delworth@noaa.gov>,  
> Julie Cole <jcole@geo.arizona.edu>, Dunbar <dunbar@stanford.edu>,  
> dstahle@comp.uark.edu, kew@cdc.noaa.gov

>Subject: Reconstruction Proposa I paperwork

>References: <3A0CS639.33EBSC8@noaa.gov> <3A1331A5.1A8BD782@noaa.gov>

><3A1B3237.8DFEE46B@noaa.gov> <3A1C68E7.218C7ACE@noaa.gov>

><3A23DBDE.B9D3B9D9@noaa.gov> <3A23DDA4.958D0281@noaa.gov>

>

>Here's the scoop on the paperwork for the institutions that are getting

>funds for grad students,etc:

>

>By Dec. 12th, please send to us

>

>Federal forms in application kit from this page:

><http://www.ogp.noaa.gov/c&gc/ao/2001/fy2001.htm>

>Budget

>Budget justification

>CVs (limit to all pubs in the last 3 years and up to 5 other relevant

>papers)

>Current and pending support (sample form from the above application kit

>URL)

>Signed title page

>

>We are doing this as collaborative research (no subcontracts), so the

>awards will be made from NOAA OGP to each institution.

>

>thanks,

>

>Connie

>--

>Connie Woodhouse

>NOAA Paleoclimatology Program

>National Geophysical Data Center

>325 Broadway E/GC

>Boulder, CO 80303

>ph: (303)497-6297

>fax: {303}497-6513

>email: woodhous@ngdc.noaa.gov

>

>

From: Sent: To:

Cc:

Subject:

Connie Woodhouse <Connie.Woodhouse@noaa.gov> Tuesday, November 28, 2000 5:09 PM  
woodhous@ngdc.noaa.gov

mark.eakin@noaa.gov;Michael Evans; Kaplan; D'Arrigo; Hughes;Cook;Mann; Russell Vose; Robin Webb;Cane; David Easterling; Dave Anderson;Crowley;Tom Delworth; Julie Cole; Dunbar; dstahle@comp.uark.edu; kew@cdc.noaa.gov

Reconstruction Proposal paperwork

Here's the scoop on the paperwork for the institutions that are getting funds for grad students, etc: By Dec. 12th, please send to us

Federal forms in application kit from this page: <http://www.ogp.noaa.gov/c&gc/ao/2001/fy2001.htm> Budget

Budget justification

CVs (limit to all pubs in the last 3 years and up to 5 other relevant papers)

Current and pending support (sample form from the above application kit

URL)

Signed title page

We are doing this as collaborative research (no subcontracts), so the awards will be made from NOAA OGP to each institution.

thanks, Connie

Connie Woodhouse

NOAA Paleoclimatology Program

National Geophysical Data Center

325 Broadway E/GC Boulder, CO 80303 ph: (303)497-6297 fax: (303)497-6513

email: woodhous@ngdc.noaa.gov

From: Sent: To:

Subject:

Neal Grandy <nrg2p@virginia.edu> Wednesday, November 29, 2000 8:37 AM Michael E. Mann

Re: Reconstruction Proposal paperwork

Hi Connie,

I can work with Michael Mann to pull together the forms you need. The Current & Pending form is not in NOAA's application kit, so unless there is some objection we will simply use the NSF C&P form (1239 - see attached). Otherwise I am familiar with the NOAA cover (424) and budget (424A) forms, so those will be straightforward.

We'll send everything as a package, but if you need or want any of it in advance please let us know. Getting it all to you by Dec. 12th should be no problem -- probably earlier.

For the sake of consistency, what's the working title for the proposal? I'd like to use that on Mann's cover page.  
Regards,

Neal

At 07:59 PM 11/28/2000 -0500, you wrote:

>Dear Neal,

>

>Please see below. Apparently, they want to do the funding a bit

>differently (not as subcontracts). Please let me know what you need

>from me. I'll get her the CV and C&P...

>

>thanks,

>

>mike

>

>>Date: Tue, 28 Nov 2000 15:09:10 -0700

>>From: Connie Woodhouse <Connie.Woodhouse@noaa.gov>  
>>Reply-To: woodhous@ngdc.noaa.gov  
>>X-Accept-Language: en  
>>To: woodhous@ngdc.noaa.gov  
>>CC: mark.eakin@noaa.gov, Michael Evans <mevans@fas.harvard.edu>,  
>> Kaplan <alexeyk@ldeo.columbia.edu>,  
>> "D'Arrigo" <druidrd@lamont.lidgo.columbia.edu>,  
>> Hughes <MHUGHES@Itrr.arizona.edu>,  
>> Cook <drdendro@lamont.lidgo.columbia.edu>, Mann <mann@virginia.edu>,  
>> Russell Vose <Russeii.Vose@noaa.gov>, Robin Webb  
>> <rwebb@cdc.noaa.gov>,  
>> Cane <mcane@ldeo.columbia.edu>,  
>> David Easterling <David.Easterling@noaa.gov>,  
>> Dave Anderson <dma@luna.ngdc.noaa.gov>,  
>> Crowley <tcrowley@ocean.tamu.edu>,  
>> Tom Delworth <Tom.Delworth@noaa.gov>,  
>> Julie Cole <jcole@geo.arizona.edu>, Dunbar <dunbar@stanford.edu>,  
  
>> dstahle@comp.uark.edu, kew@cdc.noaa.gov  
>>Subject: Reconstruction Proposal paperwork  
>>References:<3AOC639.33EBSC8@noaa.gov> <3A1331A5.1A8BD782@noaa.gov>  
>><3A1B3237.8DFEE46B@noaa.gov> <3A1C68E7.218C7ACE@noaa.gov>  
>><3A23DBDE.B9D3B9D9@noaa.gov> <3A23DDA4.958D0281@noaa.gov>  
>>  
>>Here's the scoop on the paperwork for the institutions that are  
>>getting funds for grad students, etc:  
>>  
>>By Dec. 12th, please send to us  
>>  
>>Federal forms in application kit from this page:

> ><http://fwww.ogp.noaa.gov/ao/2001/fy2001.htm>  
>>Budget  
> >Budget justification  
> >CVs (limit to all pubs in the last 3 years and up to 5 other relevant  
>>papers)  
>>Current and pending support (sample form from the above application  
>>kit  
> >URL)  
> >Signed title page  
>>  
> >We are doing this as collaborative research (no subcontracts), so the  
> >awards will be made from NOAA OGP to each institution.  
>>  
>>thanks,  
>>  
>>Connie  
> >--  
> >Connie Woodhouse  
>>NOAA Paleoclimatology Program  
> >National GeophysicalData Center  
> >325 Broadway E/GC  
>>Boulder,CO 80303  
>>ph: (303)497-6297  
>>fax: (303)497-6513  
>>email: woodhous@ngdc.noaa.gov  
>>  
>>  
>  
  
> Professor Michael E. Mann

> Department of Environmental Sciences,Clark Hall  
> University of Virginia  
> Charlottesville,VA 22903  
>

>e-mail: mann@virginia.edu Phone:(804) 924-7770 FAX:(804) 982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.html>

Neai R.Grandy

Grants Administrator, Environmental Sciences University of Virginia, P.O.Box 400123 Charlottesville, VA 22904-4123

Tel: 804-924-1495 Fax:804-982-2137

Attachment Converted:C:\Program Files\Eudora\Attach\00form1239.doc

From: Sent: To:

Cc:

Subject:

Hi Connie et al.

Rob Dunbar <dunbar@stanford.edu> Thursday, November 30, 2000 9:03 PM woodhous@ngdc.noaa.gov



mark.eakin@noaa.gov; Michael Evans; Kaplan;D'Arrigo;Hughes;Cook; Mann; Russell Vose;Robin Webb;Cane; David Easterling;Dave Anderson;Crowley; Tom Delworth;Julie Cole; Dunbar; dstahle@comp.uark.edu; kew@cdc.noaa.gov

Re: Final Recon Proposal and Budget Summary

Thanks for doing such a fine job with the proposal details.

I noticed a slight miscalc. The figure I sent to you of "\$28K was a total for each year (e.g. already includes indirects),so the combined 2-year budget would be closer to \$54K,not \$140K. If you've already sent that higher figure in to NOAA, it might serve as a placeholder for other areas where your budget may be tight. I'll get you the exact budget monday.

Cheers, Rob

\*\*\*\*\*

Dr. Robert B. Dunbar

Department of Geological and Environmental Sciences Stanford University Stanford CA 94305-2115

For Deliveries add: 325 Braun Hall (bldg. 320) Office Phone:650-725-6830

Office Fax: 650-725-0979

e-mail: dunbar@stanford.edu

Home Page:[http://pangea.stanford.edu/isotope/dunbar/dunbar\\_ges.html](http://pangea.stanford.edu/isotope/dunbar/dunbar_ges.html)

\*\*\*\*\*

From: Sent: To: Cc:

Subject:

Connie Woodhouse <Connie.Woodhouse@noaa.gov> Wednesday, November 29, 2000 5:59 PM  
woodhous@ngdc.noaa.gov

mark.eakin@noaa.gov; Michael Evans; Kaplan; D'Arrigo; Hughes;Cook; Mann; Russell Vose; Robin Webb;  
Cane;David Easterling; Dave Anderson; Crowley; Tom Delworth;Julie Cole;  
Dunbar;dstahle@comp.uark.edu;kew@cdc.noaa.gov

Final Recon Proposal and Budget Summary

Here is the final proposal and the budget summary that we are sending OGP today (2 attached files).

Remember to send us the paperwork (Fed forms,CVs,Current and Pending, Budgets and Budget Justifications-  
see <http://www.ogp.noaa.gov/c&gc/ao/2001/fy2001.htm> for instructions) by December 12th.

thanks, Connie

Connie Woodhouse

NOAA Paleoclimatology Program

National Geophysical Data Center

325 Broadway E/GC Boulder,CO 80303 ph: (303)497-6297 fax: (303)497-6513

email: woodhous@ngdc.noaa.gov

Attachment Converted: C:\Program Files\Eudora\Attach\Summary\_budget2.xls

Attachment Converted: C:\Program Files\Eudora\Attach\reconstr\_proposal\_12.doc

From: Sent: To:

Cc:

Subject:

Malcolm Hughes <mhughes@ltrr.arizona.edu>

Thursday, July 13, 2000 5:38 PM Vikram M. Mehta mann@virginia.edu

Re: NASA-IPRC Workshop on Decadal Climate Variability:First announcement

Dear Dr. Mehta,

Thank you for including me in the mailings concerning the forthcoming workshop. I'd be very grateful if you could give me some idea of what is meant by 'limited financial support' - this would be very helpful to me in deciding whether to submit an abstract.

Many thanks, Malcolm Hughes

Malcolm Hughes

Professor of Dendrochronology Laboratory of Tree-Ring Research University of Arizona

Tucson, AZ 85721

520-621-6470

fax 520-621-8229

From: Sent: To:

Subject:

Malcolm Hughes <mhughes@ltrr.arizona.edu> Friday, July 14, 2000 5:52 PM

Michael E. Mann

Re: draft (rough!)

Mike- I couldn't find the figures- could you send them separately? Cheers, Malcolm

Malcolm Hughes

Professor of Dendrochronology Laboratory of Tree-Ring Research University of Arizona

Tucson, AZ 85721

520-621-6470

fax 520-621-8229

From: Sent: To:

Subject:

Malcolm Hughes <mhughes@ltrr.arizona.edu>

Wednesday, August 02, 2000 12:46 PM Michael E. Mann

Re: close call

Dear Mike- I don't think of it as completely wasted effort, because you found out something important about one of the data sources.

For reference re: your trips here:

my home phone number until the end of August is 413-549.0781. I include my Harvard Forest contact details at the end of the message. Nice job in the Science commentary!

Cheers, Malcolm

Hughes contact details in Massachusetts: Regular Mail address:

Malcolm K. Hughes Harvard Forest P.O.Box 68

324 N.Main Street

Petersham, MA 01366

Fedex/UPS shipping address: Malcolm K. Hughes

Harvard Forest

324 N. Main Street  
Petersham, MA 01366  
Tel: 978-724-3302

Phone number for Hughes at Harvard Forest:

978-724-3302 ext. 255

Malcolm Hughes

Professor of Dendrochronology Laboratory of Tree-Ring Research University of Arizona

Tucson, AZ 85721

520-621-6470

fax 520-621-8229

From: Sent: To: Cc:

Subject:

Malcolm Hughes <mhughes@ltrr.arizona.edu> Tuesday, August 08, 2000 2:52 PM

Michael E. Mann

srutherford@virginia.edu

Re: getting together

Dear Mike- I'm around at all of those times. A reminder of my phone number:

home (until end of August) 413 549 0781

Harvard Forest 978-724-3302 ext. 255 cell 520-977 1190

The home number is the most reliable one to use, with the voice mail that works. Cheers, Malcolm Malcolm Hughes

Professor of Dendrochronology Laboratory of Tree-Ring Research University of Arizona Tucson, AZ 85721

520-621-6470

fax 520-621-8229

From: Sent: To:

Subject:

Malcolm Hughes <mhughes@ltr.arizona.edu> Tuesday, August 08, 2000 3:56 PM

Michael E. Mann

Re: getting together

Mike - I probably need to be at Harvard Forest Friday a.m. if poss, so early afternoon would be better, Cheers,  
Malcolm

Malcolm Hughes Professor of Dendrochronology Laboratory of Tree-Ring Research University of Arizona  
Tucson, AZ

85721

520-621-6470

fax 520-621-8229

From: Sent: To:

Subject:

Mike - OK- Rao's? Malcolm

Malcolm Hughes

Professor of Dendrochronology Laboratory of Tree-Ring Research University of Arizona

Tucson, AZ 85721

520-621-6470

fax 520-621-8229

Malcolm Hughes <mhughes@ltrr.arizona.edu> Tuesday, August 08, 2000 4:38 PM

Michael E. Mann

Re: getting together

From: Sent: To: Cc:

Subject:

Malcolm Hughes <mhughes@ltrr.arizona.edu> Thursday, August 24, 2000 8:39 PM  
mehta@eos913.gsfc.nasa.gov

Michael E. Mann

(Fwd) Re: NASA-IPRC Workshop on Decadal Climate Variability: F

Dear Dr. Mehta- I wonder if you received the e-mail / sent you about 6 weeks back. I'd be grateful for your response, Sincerely, Malcolm Hughes

-----Forwarded message follows ---

From: Malcolm Hughes <mhughes@ltrr.arizona.edu>

To: "Vikram M. Mehta" <mehta@eos913.gsfc.nasa.gov>

Subject: Re: NASA-IPRC Workshop on Deca dal Climate Variability: First announcement

Copies to: mann@virginia.edu

Date sent: Thu, 13 Jul 2000 14:38:18 -0700

Dear Dr. Mehta,

Thank you for including me in the mailings concerning the forthcoming workshop. I'd be very grateful if you could give me some idea of what is meant by 'limited financial support' - this would be very helpful to me in deciding whether to submit an abstract. Many thanks, Malcolm Hughes

----- End of forwarded message ----- Malcolm Hughes Professor of Dendrochronology Laboratory of Tree-Ring

Research University of Arizona Tucson, AZ 85721

520-621-6470

fax 520-621-8229

From: Sent: To: Subject:

Malcolm Hughes <mhughes@ltr.arizona.edu> Thursday, August 31, 2000 5:53 PM

Michael E. Mann; Raymond S. Bradley

OGP announcement

Content-type: text/plain; charset=US-ASCII Content-transfer-encoding: 7BIT

Content-description: Mail message body

Gentlemen- direct from Mark Eakin, please find attached this year's OGP announcement. Cheers, Malcolm  
Malcolm

Hughes Professor of Dendrochronology Laboratory of Tree-Ring Research University of Arizona Tucson, AZ  
85721

520-621-6470

fax 520-621-8229

Content-type: text/plain; charset=US-ASCII Content-disposition: inline

Content-description: Attachment information.



The following section of this message contains a file attachment prepared for transmission using the Internet MIME

message format.

If you are using Pegasus Mail, or any another MIME-compliant system, you should be able to save it or view it from within your mailer.

If you cannot, please ask your system administrator for assistance.

---- File information ----- File: ogpfedreg01.pdf

Date: 31Aug 2000,14:51

Size: 138293 bytes. Type: Unknown

Attachment Converted:c:\program files\eudora\attach\ogpfedreg01.pdf

From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@multiproxy.evsc.virginia.edu> Monday, September 18, 2000 11:01AM

Jonathan Overpeck; rbradley@geo.umass.edu mann@virginia.edu

advice

Dear Ray, Peck:

We can probably invite only about 15 people from the U.S. to the proposed C'ville workshop, since funding will be limited.

The subject (attached) is the \*past millennium\* (thus, we're not necessarily looking to bring in people interested in mid- holocene,etc.), modeling and empirical reconstructions, and the idea is to bring together people interested in the intersection of these activities.

I've come up w/ the following list thusfar (in no particular order): R. Bradley

M. Hughes

J. Overpeck T. Crowley E. Cook

R. Webb

M.Cane

A. Kaplan/M. Evans D. Battisti K.Hughen

D. Rind J.Lean J. Cole

H. Pollack

There is room for a couple/few more. Whom obvious have I forgotten? Thanks,

mike

Attachment Converted: c:\program files\eudora\attach\paleo-revised.doc

Professor MichaelE.Mann

Department of Environmental Sciences,Clark Hall

University of Virginia

Charlottesville,VA 22903

e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137

<http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To: Subject:

Mike,

Richard Kerr <rkerr@aaas.org> Friday, June 09, 2000 8:58 AM mann@virginia.edu

Re:news story at Science- AMO.rk

Seems we need a higher-res version of the Malcolm Hughes pic. Would you have one or should I try to reach him? Dick

Richard A. Kerr

Senior Writer,Science phone 202 326-6587 fax 202 371-9227 rkerr@aaas.org

1200 New York Avenue, N.W. Washington, DC 20005

From: Sent: To:

Subject:

Whoops! FOrgot my fedex details: Fedex/UPS shipping address:

Malcolm K. Hughes

Harvard Forest

324 N. Main Street

Petersham, MA 01366

Tel: 978-724-3302

Malcolm Hughes

Professor of Dendrochronology Laboratory of Tree-Ring Research University of Arizona

Tucson, AZ 85721

520-621-6470

fax 520-621-8229

Malcolm Hughes <mhughes@ltrr.arizona.edu> Monday, June 26, 2000 6:44 PM mann@virginia.edu

fedex details

From: Sent: To:

Cc:

Subject:

Malcolm Hughes <mhughes@ltrr.arizona.edu>

Monday, June 26, 2000 11:01PM Michael E. Mann bwm6q@virginia.edu

Re: review

Mike - fear not, I'll turn it round quickly, Cheers, Malcolm Malcolm Hughes Professor of Dendrochronology  
Laboratory of

Tree-Ring Research University of Arizona Tucson, AZ 85721

520-621-6470

fax 520-621-8229

From: Sent: To:

Subject:

Malcolm Hughes <mhughes@ltrr.arizona.edu> Tuesday, January 11, 2000 11:57 AM

Michael E. Mann

Harvey

Mike - do you know when the Harvey Weiss edited volume is coming out and what are the details? Malcolm Professor and Director laboratory of Tree-Ring Research University of Arizona Tucson, AZ 85721 phone 520-621-2191 fax 520-621-

8229 e-mqil mhughes@ltrr.arizona.edu

From: Sent; To:

Cc:

Subject:

Heather Benway <benway@ogp.noaa.gov> Wednesday, January 12, 2000 4:28 PM Michael Mann

Malcolm Hughes; Raymond Bradley grant

Dear Mike,

As you know, I will be leaving NOAA/OGP in March to begin a doctoral program at Oregon State University. At NOAA, we are currently in the process of developing both short- and long-term solutions for the recent flock of departures (Jonathan Overpeck, Robin Webb, myself) from the NOAA Paleoclimatology Program. In anticipation of the proposed near-term management solutions, I would like to ensure that my currently supported PIs will not face any problems or delays in securing their FY 2000 money.

Subsequently, I am trying to get as many of my funding transactions taken care of as possible before my departure. I am writing to solicit

your help in expediting this process with your award (number NA96GP0404) entitled "Multiproxy Climate

Reconstruction: Extension in Space and Time, and Model/Data Intercomparison." As you know, I cannot move any money without an annual progress report in hand. I am aware that your progress report is not due for several months, but could you submit your report to me early so that I can get your continuation processed before my

departure in March? I would certainly appreciate your cooperation in this

matter. Please contact me if you have any questions.

Best regards, Heather

=====  
Heather Benway

Paleoclimatology Program

NOAA Office of Global Programs

1100 Wayne Avenue, Suite 1210

Silver Spring, MD 20910

Phone: 301-427-2089 x113

Fax: 301-427-2073

E-mail: benway@ogp.noaa.gov

From: Sent: To:

Cc:

Subject:

Dear Colleagues:

Heather Benway <benway@ogp.noaa.gov> Thursday, January 13, 2000 9:49 AM

Mark Cane; Mike Evans; Alexy Kaplan; Gordon Jacoby; Dave Meko; Malcolm Hughes;

David Stahle; Ellen Druffel; Brad Linsley; Gerard Wellington; Xiahong Feng; Ed Cook; Eric

Grimm; Michael Mann; Raymond Bradley Irma duPree; Heather Benway IMPORTANT CLARIFICATION

Yesterday I sent you a message requesting that you submit your progress reports early so that I could get your continuations processed before my departure in mid-March. I just spoke with Irma duPree, our grants specialist (duPree@ogp.noaa.gov, 301-427-2089 x107), regarding the specifics on early submission of progress reports.

Most of you have 8/1 or 9/1 start dates. When you submit your report, you cannot list dates that have not yet happened...for example, if you have a

9/1 start date and you're submitting your report the first week in March, then your report should cover the dates from

9/1 to 2/29. Just be sure that NEXT year, your report dates pick up where they left off, and be aware that your start dates will move up. THE BEST TIME FOR ME TO

RECEIVE YOUR PROGRESS REPORTS WILL BE AT THE VERY BEGINNING OF MARCH. That way I can process them all before I leave and we'll be able to project

60 days ahead (progress reports are always due 60 days before the projected start date) for a June 1 start date, which will only change your start dates by a couple of months. But keep in mind for upcoming years that this will mark a PERMANENT CHANGE IN YOUR START DATES. Thank you again for your cooperation. If you have any questions at all, please don't hesitate to call or email me. If you have specific grants-related questions, you can also call Irma, whose contact information is listed above.

Cheers, Heather

=====  
Heather Benway

NOAA Office of Global Programs

1100 Wayne Avenue, Suite 1210

Silver Spring, MD 20910

Phone: 301-427-2089 x113

Fax: 301-427-2073

E-mail: [benway@ogp.noaa.gov](mailto:benway@ogp.noaa.gov)

From: Sent: To:

Subject:

Malcolm Hughes <[mhughes@ltrr.arizona.edu](mailto:mhughes@ltrr.arizona.edu)> Saturday, February 26, 2000 4:59 PM  
[mann@multiproxy.evsc.virginia.edu](mailto:mann@multiproxy.evsc.virginia.edu)

(Fwd) Mail Delivery Failure.

Mike- you bet, and not just because of the location - good topic for the timing, Many thanks, Malcolm

----- End of forwarded message -----

From: Sent: To:

Cc:

Subject:

Malcolm Hughes <mhughes@ltrr.arizona.edu> Friday, December 03, 1999 4:41PM

rbradley@geo.umass.edu; mhughes@ltrr.arizona.edu; Michael E. Mann jto@u.arizona.edu

Re: Barnett

Mike- I'll take a look at it - I hadn't yet seen it, Cheers, Malcolm Professor and Director Laboratory of Tree-Ring Research

University of Arizona Tucson, AZ 85721 phone 520-621-2191 fax 520-621-8229 e-mqil  
mhughes@ltrr.arizona.edu

From: Sent: To:

Subject:



Malcolm Hughes <mhughes@ltrr.arizona.edu> Friday, December 03, 1999 5:11PM

Michael E. Mann

Re: Barnett

Mike -I'll only be at AGU 2 nights.I get in to SFO at 7.30 Monday evening, so maybe we could meet that evening. I

leave Wednesday afternoon, and will be involved in a party for Roger Barry for at least the first part of Tuesday evening. When's good for you? Cheers, Malcolm Professor and Director Laboratory of Tree-Ring Research University of Arizona Tucson, AZ 85721 phone 520-621-2191 fax 520-621-8229 e-mqil mhughes@ltrr.arizona.edu

From: Sent: To:

Subject:

Malcolm Hughes <mhughes@ltrr.arizona.edu> Monday, December 06, 1999 5:27 PM

Michael E. Mann

Re:piece

Mike - a) I'll be checking into the SF Marriott close to 9 on Monday evening- might this be too late to get together?

b) I've foolishly let go of my last reprint of the GRL paper- do you have another one you could put in the mail so I can make copies?

Thanks, Malcolm

Professor and Director

Laboratory of Tree-Ring Research

University of Arizona Tucson, AZ 85721 phone 520-621-2191 fax 520-621-8229

e-mqil mhughes@ltrr.arizona.edu

From: Sent: To:

Subject:

Malcolm Hughes <mhughes@ltrr.arizona.edu> Tuesday, December 07, 1999 2:00 PM

Michael E. Mann

Re: piece

Mike - next week will be fine, Cheers, Malcolm Professor and Director Laboratory of Tree-Ring Research  
University of

Arizona Tucson, AZ 85721 phone 520-621-2191 fax 520-621-8229 e-mail mhughes@ltrr.arizona.edu

From: Sent: To:

Subject:

Michael E. Mann <mann@virginia.edu> Thursday, June 06, 2002 6:24AM

Kalee Kreider

RE: I'll be on CNBC tonight at 7:30PM

<html>

Gopher sites, hunh...yes that would have been a bit obscure.<br> <br> While you were at it, you should have slammed

Bill Gates. That bastard has made my life very difficult...<br> <br> Would be interested to hear more about your meeting w/ Pielke Jr. We should talk soon,<br> <br> mike<br> <br> At 09:09AM 6/6/02 -0400, you wrote:<br> <blockquote type=cite class=cite cite>Funny, actually, one of the control room guys said &quot;Whoa&quot; kind of loudly when<br>





envisci-faculty@virginia.edu; envisci-grads@virginia.edu seminar

Reminder-Pielke seminar at 4 today.

From: Sent: To: Subject:

Bruce Hayden <bph@virginia.edu> Tuesday, February 08, 2000 2:49 PM

envisci-faculty@virginia.edu;envisci-grads@virginia.edu

Seminar Speaker--Want to chat?

Roger Pielke will be available for discussions on thursday. If you would like some time to chat with Roger please let me know when you would like to meet.

Bruce Hayden

Bruce P. Hayden

Department of Environmental Sciences

University of Virginia

Charlottesville, VA 22903

804-924-0545 (O)

804-982-2137 (Fax)

804-924-7761(Dept.) bph@virginia.edu bhayden@lternet.edu

From: Sent: To: Subject:

William F.Ruddiman <wfrSc@virginia.edu> Monday, February 07, 2000 10:33 AM  
envisci-Faculty@virginia.edu; envisci-grads@virginia.edu  
seminar

Our departmental seminar speaker this Thursday is Roger Pielke of Colorado State University talking on "Vegetation

Cover and the Genesis of Thunderstorms". Roger's host is Bruce Hayden.

From: Sent: To:

Subject:

William F. Ruddiman <wfrSc@virginia.edu> Wednesday, October 13, 1999 1:34 PM  
envisci-faculty@virginia.edu; envisci-grads@virginia.edu  
10/14 seminar

Our speaker tomorrow is Charles Driscoll of Syracuse University.

The title of his talk is "Lake Acidification in the Adirondacks: What Recovery?" Art Bulger will be his host.

We now have just two dates open in the rest of the year's schedule (below).

10/14

10/21

10/28

11/4

11/11

11/18

11/25

12/2

12/9

Charles Driscoll; Syracuse (Host: Art Bulger) Ken Corey; U. Mass (Host: Aaron Mills)

Russ Monson; U. Colorado (Host: Jose Fuentes) Liz Canuel; VIMS (Host: Steve Macko)

Anne Thompson; NASA Goddard (Host: Jenny Moody) Carl Bolster; UVa. (Host: Aaron Mills)

----[Thanksgiving Break]----

Tullis Omstot; Princeton (Host: Steve Macko) Linda Schaffner; VIMS (Host: Linda Blum)

[Winter break]

1/20 Harry Lins; USGS Reston (Host: Bruce Hayden)

1/27

2/3

2/10 Roger Pielke; Colorado State (Host: Bruce Hayden)

2/17 Reserved for Geoscience Position Applicant

2/24 John Aber; U New.Hamp. (Hosts: Jim Galloway and Tom Smith)

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3/9 Steve Norton, U. Maine (Host: Jim Galloway)

3/16 -----[Spring Break]-----  
3/23 Sybil Seitzinger; Rutgers (Host: Jim Galloway)  
3/30 Tom Crowley; Texas A&M (Host: Mike Mann)  
4/6 Chuck Hopkinson {Woods Hole}. {Host: Karen McGiathery}  
4/13 Scott Bair; Birdsaii-Dreiss lecturer (Host: George Hornberger}  
4/20 Tom O'Donnell ("Host": Steve Macko)

From: Sent: To:

Subject:

tom crowley <tom@ocean.tamu.edu> Tuesday, October 12, 1999 5:02 PM Michael E. Mann

Re: last holes in schedule

Mike,

put me down for March 30, Tom

>HiTom,

>

>Please check below, and let me know if any of the open spring seminar  
>dates would work. Please cc to Bill Ruddiman (who is coordinating the  
>seminar series this semester) since I'll be away traveling for the next 1.5 weeks.

>Bill is

>also looking forward to you being able to come to speak next semester.

>

>talk to you later,



>

>mike

>

>>X-Sender: wfrSc@mail.evsc.virginia.edu

»Date:Man,11Oct 1999 09:28:05 -0500

»To: "Michael E. Mann" <mann@multiproxy.evsc.Virginia.EDU>

» From: "William F. Ruddiman" <wfrSc@virginia.edu>

»Subject: R e: last holes in schedule

>>

»Mike-Just to make sure all is clear, the available dates are the

>>four blank s listed below. March 30 is the only "spring" date still

»left. It can be nice here then, but hardly full spring. I'll hold it

»for you until you can coordinate with Tom. Bill

>>

>>

>>

>>

>>

>>

>>Hi Bill,

>>>

>>I'd really like to reserve a slot for Tom Crowley! He expressed in

>>interest in visiting during the spring. Which spring dates are still

>>available. Would it be possible for you to let him know as the

>>official seminar organizer. Otherwise,I could as well. Thanks,

>>>

>>>mike

>>>

>>>

>>At 04:05 PM 10/8/99 -0500, you wrote:

»»Folks: There are a few gaps left in the seminar schedule, mainly during  
»»the mid-winter block early next term. Those might be good ones for grad  
>>>students to fill since that would avoid winter travel complications  
»»for visitors coming from afar. But faculty guests are also welcome.

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»»Charles will be staying to hold our departmental hand during future  
»»seminars until our mass media fortunes improve. A possible lesson for all  
»»of us on why the slide carousel would not seat: Charles says he has  
»»often found it necessary to turn off the power to get it to do so. Not typical  
>>>for most carousels. Apologies to Mike and his visitor. Bill

>>>>

»» CURRENT SCHEDULE OF THURSDAY SEMINARS

>>>>

»»10/14

»»10/21

»»10/28

»»11/4

»»11/11

»»11/18

»»11/25

»»12/2

»»12/9

>>>>

Charles Driscoll; Syracuse (Host: Art Bulger) Ken Corey; U. Mass (Host: Aaron Mills)

Russ Monson;U. Colorado (Host: Jose Fuentes) Liz Canuel; VIMS (Host: Steve Macko)

Anne Thompson; NASA Goddard (Host: Jenny Moody) Carl Bolster;UVa. (Host: Aaron Mills)

[Thanksgiving Break]

Tullis Omstot; Princeton (Host:Steve Macko) Linda Schaffner;VIMS (Host:Linda Blum)

»» [Exams and Winter break]

>>>>

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>>>1/27

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»»3/30

»»4/6

>>>4/13

»»4/20

>>>>

>>>>

>>>>

>>>>

Chuck Hopkinson (Woods Hole). {Host: Karen McGiathery) Scott Bair; Birdsaii-Dreiss lecturer (Host: George Hornberger) Tom O'Donnell ( "Host":Steve Macko)

>>>

>> Professor Michael E. Mann

» > Department of Environmental Sciences, Clark Hall

»» University of Virginia

>> Charlottesville, VA 22903

>>>

>>e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137

>> <http://www.evsc.virginia.edu/faculty/people/mann.html>

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College Station, TX 77843-3146

409-845-0795

409-847-8879 (fax)

409-845-6331(alterna te fax }

From: Sent: To:

Subject:

William F. Ruddiman <wfrSc@virginia.edu> Monday, October 11, 1999 10:28 AM Michael E. Mann

Re: last holes in schedule

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»11/4 Liz Canuel;VIMS (Host: Steve Macko)  
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»11/25 [Thanksgiving Break]  
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>>

» [Exams and Winter break]

>>

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>>

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>>

>

> Professor Michael E. Mann

> Department of Environmental Sciences,Clark Hall

> University of Virginia

> Charlottesville,VA 22903

>

>e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: ( 804) 982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To:

Subject:

William F. Ruddiman <[wfrSc@virginia.edu](mailto:wfrSc@virginia.edu)> Friday, October 08, 1999 5:06 PM

[envisci-Faculty@virginia.edu](mailto:envisci-Faculty@virginia.edu); [envisci-grads@virginia.edu](mailto:envisci-grads@virginia.edu)

last holes in schedule

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[Thanksgiving Break]

Tullis Omstot; Princeton {Host: Steve Macko} Linda Schaffner; VIMS {Host: Linda Blum}

[Exams and Winter break]

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4/20 Tom O'Donnell ("Host": Steve Macko)

From: Sent: To:

Subject:

William F. Ruddiman <wfrSc@virginia.edu>

Friday, September 10, 1999 6:06 PM

envisci-faculty@virginia.edu; envisci-grads@virginia.edu seminar schedule

Folks---The faculty seem to have filled up the seminar list about as far as they are going to for a while,so now is probably a good time to add the graduate-student thesis talks to the schedule for the spring semester. Let me know which Thursday you want and send me a title for the talk. Thanks, Bill

#### CURRENT SCHEDULE OF THURSDAY SEMINARS

9/16

9/23

9/30

10/7

10/14

10/21

10/28

11/4

11/11

11/18

11/25

12/2

12/9

Hartmut Walter; UCLA (Host: Hank Shugart)

Vaughan Turekian;UVa ("Host": Steve Macko)

Jim Nichols;USGS Patuxent Wildlife Center (Host: Mike Erwin) Charles Driscoll;Syracuse {Host: Art Bulger)

Ken Corey; U.Mass (Host: Aaron Mills)

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Tullis Omstot;Princeton (Host: Steve Macko) Linda Scha ffer; VIMS (Host: Linda Blum)

[Exams and Winter break]

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4/6

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4/20

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From: Sent: To:

Subject:

ammann@cgd.ucar.edu on behalf of Caspar Ammann <ammann@ucar.edu> Tuesday, November 30, 1999 7:05 PM

users@geo.umass.edu

Long live the rockhounds

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from :paleonet@ucmpl.berkeley.edu

DEAR ANN LANDERS:

This letter, my first ever to an advice columnist, was sparked by your column about the geologist's wife who asked, "Are all geologists the very embodiment of all the virtues and qualities that are universally admired in humankind? Have they alone, of all the professions, achieved a state of grace far beyond that ever speculated by history's most hopeful philosophers and theologians?" The answer is ABSOLUTELY! Geologists

ARE

a different breed. They are wise, often strikingly handsome and beautiful, kind to small children and animals, sensitive to the subtleties of everything around them, and when it comes to relationships, well, Mom, my three sisters-in-law and one brother-in-law, and my two aunts and two uncles seemed always to have a serene, deeply satisfied look of complete contentment. If only I could have hitched up with one too. Signed, A Jealous and Bitterly Resentful Wife of an Engineer.

Ann Landers Replies: DEAR JEALOUS: I've been swamped with letters from the lucky spouses and relatives of geologists. They've given me a real education, and made me feel a little jealous too. Read on:

PORTLAND: Geologists ARE different. And I say "Vive la difference!" I thought maybe I was the luckiest person ever to have been born, but I have found that other geologist's spouses have similar experiences. My geologist husband has more sensitivity and consideration than 10 "normal"

men, selflessly making life safe, loving and meaningful for others. I am so lucky to have this man in my life!

DENVER: Ann, the best piece of advice you could pass along to your readers is this:if you can't be one yourself, do whatever it takes to associate with as many geologists as you can. My life has been rich, so meaningful, since I divorced the egghead engineer I was married to for

12

years. If I weren't so ecstatic nearly all my waking hours,I would be in despair over all that wasted time. But in retrospect,I would have traded fifty years with "Ms.Pocket-Protector" for just a few weeks of the blissful existence I have with my big lovable rockhound. She has shown me all the richness that life holds. I spend hours just basking in the warmth of her vast knowledge of life,the universe, and everything.

She has so much beauty

and understanding. And she's always ready to share that gift. She's able to explain the most incredibly complex concepts in a way that helps you understand, and makes you feel just plain good all over. And how can anyone be so perfect,yet so warm and sensitive to the needs of others?

Think of the world we would have if everyone were a geologist!

Caspar Ammann

NCAR CGD

Boulder,CO 80307 email:ammann@ucar.edu tel: 303-497-1705

From: Sent: To: Cc:

Subject:

Malcolm Hughes <MHUGHES@Itrr.arizona.edu> Friday, September 10, 1999 4:12 PM mann@virginia.edu

mhughes@lrr.arizona.edu

Japan abstract



Mike- the abstract is attached. I see Ray's due back on the 11th,so you'll have time to confer, Cheers, Malcolm  
Malcolm

K. Hughes Director Laboratory of Tree-Ring Research University of Arizona Tucson, AZ 85721

Telephone 520 621-6470 fax 520 621-8229

e-mail mhughes@ltrr.arizona.edu

From: Sent: To: Subject:

William F. Ruddiman <wfrSc@virginia.edu> Friday, July 23, 1999 1:20 PM memann@titan.oit.umass.edu

Re: hi

Michael--! was in Monday but we had a friend visiting us mid-week. Sorry to miss your visit. Hot enopugh for you? Thanks for the offer about helping with the seminar. You could indeed be of help without devoting any huge amount of time to the chore. The first way of course is to invite good speakers. As to whom: it's your call.

Attached is the seminar speaker list as it now stands. My technique for running it so far is to send out this list in updated form by email every

2-3 weeks to remind people to firm up their suggestions. So far I haven't had to pound on any doors, although with empty slots looming in early autumn I might have to. Usually student thesis presentations fill a few slots, but often in the spring.

I go to California for a committee meeting just about the time you get into town, so I probably won't see you until about

August 22. Looking forward to it!! Bill

>Dear Bill,

>

>I hope your summer has been going well. I was down there for a couple

>days at the beginning of the week, but I didn't find you.Perhaps

>you're away?

>

>In any case,I was talking w/ Jim about committee assignments.Jim's

>put be on two:the graduate admissions, and an undergrad committee.

>I mentioned to him that the seminars committee was one in which I would

>be interested in helping out with. He mentioned that you were running

>the committee. I'm probably already busy enough with the two committee

>assignments I have, but if there is some way I can help w/ the seminar

>planning, even informally,I'd be happy to do so.

>

>On a related note, a couple people I had in mind for trying to bring

>down for seminars in the future are Mark Cane,Tom Crowley, and Malcolm

>Hughes { who will be visiting at Umass in the spring seminar). Will look

>forward to discussing any of this.

>

>I move down for good August 12,and hoping to get together soon after I

>arrive.

>

>cheers,

>

>mike

>--

>MichaelE. Mann Phone {413} 545-9573

>Adjunct Assistant Professor FAX {413} 545-1200

>Department of Geoscience email: mann@snow.geo.umass.edu

>University of Massachusetts

><http://www.geo.umass.edu/climate/mike/index.html>

From: Sent: To:

Subject:

Malcolm Hughes <mhughes@ltrr.arizona.edu> Saturday, January 02, 1999 8:51PM

Michael E. Mann

Re: bounced

Mike - I picked up the draft proposal this evening (Saturday) and will try to get back to you on it tomorrow, Cheers, Malcolm Professor and Director Laboratory of Tree-Ring Research University of Arizona Tucson, AZ 85721 phone 520-

621-2191 fax 520-621-8229 e-mail mhughes@ltrr.arizona.edu

From: Sent: To:

Cc:

Subject:

Welcome to Turku, Finland june 6-8 2001

see <http://figare.utu.fi>

for details.

Jarl Ahlbeck <[jarl.ahlbeck@abo.fi](mailto:jarl.ahlbeck@abo.fi)> Thursday, November 02, 2000 1:56 PM

Volz. Dr. Hartwig;'S. Fred Singer';Chick Keller; [gsharp@montereybay.com](mailto:gsharp@montereybay.com); Mike

MacCracken

Paal Brekke;COURTNEY; [dwojick@shentel.net](mailto:dwojick@shentel.net); [arking@jhu.edu](mailto:arking@jhu.edu); [hughel@home.com](mailto:hughel@home.com); [dhoytl@erols.com](mailto:dhoytl@erols.com); [kidso@hotmail.com](mailto:kidso@hotmail.com); [karlen@natgeo.su.se](mailto:karlen@natgeo.su.se); [rmckit@css.uoguelph.ca](mailto:rmckit@css.uoguelph.ca); [roy.spencer@msfc.nasa.gov](mailto:roy.spencer@msfc.nasa.gov); [gerd-rainer.weber@gvst.de](mailto:gerd-rainer.weber@gvst.de); [pdriessen@cox.rr.com](mailto:pdriessen@cox.rr.com); [vinmary.gray@paradise.net.nz](mailto:vinmary.gray@paradise.net.nz); [t.v.segalstad@toyen.uio.no](mailto:t.v.segalstad@toyen.uio.no); [mebell@cei.org](mailto:mebell@cei.org); [daly@vision.net.au](mailto:daly@vision.net.au); [wsh@unite.com.au](mailto:wsh@unite.com.au); [onar@netpower.no](mailto:onar@netpower.no); [wsoon@da.harvard.edu](mailto:wsoon@da.harvard.edu); [cpaynter@greeningearthsociety.org](mailto:cpaynter@greeningearthsociety.org); [wevans@trentu.ca](mailto:wevans@trentu.ca); [rlindzen@mit.edu](mailto:rlindzen@mit.edu); [priem@dds.nl](mailto:priem@dds.nl); [mann@virginia.edu](mailto:mann@virginia.edu); [cfk@lanl.gov](mailto:cfk@lanl.gov); [tom@ocean.tamu.edu](mailto:tom@ocean.tamu.edu); 091335371@t-online.de; Nigel Calder; [bacmteam@aol.com](mailto:bacmteam@aol.com); Dr. Theodor Landscheidt

figare-meeting

Valkommen till Abo, skall bli kul att ses !

cheers I halsn. Jarl

From: Sent: To:

Subject:

Follow Up Flag: Flag Status:

bsun@virginia.edu on behalf of Bomin Sun <bsun@whoi.edu> Wednesday, October 04, 2000 4:50 PM

Bradley Ray; Keimig Frank; Rob DeConto; Mike Mann; Chris Duncan; Anne Waple;

Mathias Vuille; Doug Hardy; Mark Besonen; Mark Abbott; Carsten Braun; Caspar Ammann; Pierre Francus; Lesleigh Anderson; Bianca Perren; Brooke Olson; Whit Patridge my new address

Follow up

Flagged

Hi folks,

My new address is:

Physical Oceanography Dept. WHOI

tel:508-2893365 fax:508-4572181 email: bsun@whoi.edu

Bomin

Content-Type: text/x-vcard; charset=us-ascii; name="bsun.vcf" Content-Transfer-Encoding: 7bit

Content-Description: Card for Bomin Sun Content-Disposition: attachment; filename="bsun.vcf"

Attachment Converted: C:\Program Files\Eudora\Attach\bsun.vd

From: Sent: To:

Cc:

Subject:

Follow Up Flag: Flag Status:

0£%•6JE <zhengjy@igsnrr.ac.cn> Monday, March 25, 2002 9:00 PM

Cary Mock; Caspar Ammann; Christos Zerefos; Ed Cook; Ivar Isaksen; Jane Corradi; Juerg Luterbacher; Kam Biu Liu; Keith Briffa; Malcolm Hughes; Mike Chenowith; Mike Mann; Phil Jones; Raymond S. Bradley; Roseanne D'Arrigo; T. Crowley; Takehito Mikami; Tom Crowley; Wei-Chyung Wang; £>1"UO%

corradi@climate.cestm.albany.edu

REMINDER for the Workshop on HCR\_EA

Follow up

Flagged

Dear Professor,

This is a R EMINDER for the Workshop on "Historical Climate Reconstruction over East Asia" (October 14-16, 2002, Beijing, China). The local host for the workshop, the Institute of Geographical Sciences and Natural Resource Research (IGSNRR) of the Chinese Academy of Sciences will cover THE LOCAL HOTEL AND MEAL E XPENSES IN BEIJING DURING THE MEETING DAYS FOR ALL PARTICIPANT.

I am looking forward to your reply. Sincerely yours,

Zheng Jingyun

From: Sent: To:

Subject:

Caspar Ammann <ammann@ucar.edu> Saturday, April 20, 2002 8:27 AM

Mike Mann; Brad Adams

May 14-15

Follow Up Flag:

Flag Status:

Follow up

Flagged

<x-flowed> Mike and Brad,

I could come roughly May 14 and 15 or even morning of the 16th. Would that work for you guys to catch up and work on

the papers? Caspar

Dr. Caspar M. Ammann

National Center for Atmospheric Research Climate and Global Dynamics Division- Paleoclimatology  
Advanced Study

Program

1850 Table Mesa Drive

Boulder, CO 80307-3000

email:ammann@ucar.edu    tel: 303-497-1705    fax: 303-497-1348

</x-flowed>

From: Sent: To: Cc:

Subject:

brad adams <jba7g@virginia.edu> Tuesday, April 23, 2002 11:32 AM Michael E. Mann; Caspar Ammann Mike Mann

RE: May 14-15

Follow Up Flag: Flag Status:

Follow up

Flagged

Sounds good. I'm looking forward to getting together!

cheers, brad



-----Original Message-----

From: Michael E. Mann [mailto:mann@multiproxy.evsc.virginia.edu] Sent: Tuesday, April 23, 2002 5:15AM

To: Caspar Ammann

Cc: Mike Mann; Brad Adams

Subject: Re: May 14-15

Hi Caspar,

Yes, those dates would probably work. I'll put them down on my calender. Brad: I assume you'll be around then? Please let me know otherwise ASAP. Thanks,

mike

On Sat, 20 Apr 2002, Caspar Ammann wrote:

> Mike and Brad,  
> I could come roughly May 14 and 15 or even morning of the 16th. Would  
> that work for you guys to catch up and work on the papers?  
> Caspar  
>  
> -  
> Dr. Caspar M. Ammann  
> National Center for Atmospheric Research Climate and Global Dynamics  
> Division - Paleoclimatology Advanced Study Program  
> 1850 Table Mesa Drive  
> Boulder, CO 80307-3000

>email: ammann@ucar.edu tel: 303-497-1705 fax: 303-497-1348

>

>

Professor Michael E. Mann

Department of Environmental Sciences, Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137

<http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To:

Subject:

Michael E.Mann <mann@virginia.edu> Wednesday, April 24, 2002 5:23 AM brad adams

RE: May 14-15

Follow Up Flag: Flag Status:

Follow up

Flagged



University of Virginia

Charlottesville, VA 22903

e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137

<http://www.evsc.virginia.edu/faculty/people/mann.html>

Professor Michael E. Mann  
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University of Virginia

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e-mail: mann@virginia.edu Phone: (434) 924-7770 FAX: (434) 982-2137

<http://www.evsc.virginia.edu/faculty/people/mann.shtml>

From: Sent: To:

Subject:

Heather Benway <benway@ogp.noaa.gov> Thursday, January 13, 2000 11:01 AM Michael E. Mann

Re: grant

Corvallis...thankfully.

On Thursday, January 13, 2000, Michael E. Mann <mann@multiproxy.evsc.virginia.edu> wrote:

>Thanks Heather,

>

>Yes, I am slowly settling in now. I start teaching in less than a week, but

>fortunately my post-doc has arrived, which will help the research

>continue.

>

>Will be in touch. Congrats again on OSU. I think you'll like it (the

>Beavers right? Eugene or Corvallis? I always get that

>confused...)

>

>mike

>

>At 10:51 AM 1/13/00 -0400, you wrote:

»Hi Mike,

»Sounds like you've settled in nicely and things are going well at

UVA.

»I just sent out a group email that should answer your question below.

>>

>>Cheers,

»Heather

>>

»On Wednesday, January 12, 2000, Michael E.Mann

<mann@multiproxy.evsc.vi

>>rginia.edu> wrote:

»»HI Heather,

>>>

»»Thanks for the heads up on that. And congratulations on OSU--1 hadn't

»heard

>»about that since last time I talked to you.

>>>

»»Will be happy to send the annual report in question ASAP. My

»postdoctoral

»»research assistant Scott Rutherford has just arrived and the project

>>is

>»moving ahead. Can you let me know the period inclusive period for

»which

»»this first annual report is supposed to apply? Is this just for the

20

-- -----

»'99

»>calendar year

>>(which would represent the first few months of support)? We have made

>>some

>>progress, though not a huge amount, in this short period of time.

»Thanks in

>>advance for any more info you can provide.

>>>

>>cheers, and congrats on OSU...

>>>

>>mike

>>>

>>At 05:27 PM 1/12/00 -0400, you wrote:

>>>Dear Mike,

>>>As you know,I will be leaving NOAA/OGP in March to begin a doctoral

>>>program at Oregon State University. At NOAA,we are currently in the

>>>process of developing both short- and long-term solutions for the

>>recent

>>>flock of departures (Jonathan Overpeck, Robin Webb,myself) from the

» NOAA

>>>Paleoclimatology Program. In anticipation of the proposed near-term

>>>management solutions,I would like to ensure that my currently

»supported Pis

>>>will not face any problems or delays in securing their FY 2000 money.

>>

>>>Subsequently, I am trying to get as many of my funding transactions

>>>taken care of as possible before my departure. I am writing to

»solicit

>>>your help in expediting this process with your award (number

» NA96GP0404)

>>>entitled "Multiproxy Climate Reconstruction: Extension in Space and

>>Time,

»»and Model/Data Intercomparison." As you know,I cannot move any  
>>money  
>>>without an annual progress report in hand. I am aware that your  
>>progress  
>>>report is not due for several months, but could you submit your  
>>report  
>>>to me early so that I can get your continuation processed before my  
>>>departure in March? I would certainly appreciate your cooperation  
>>in this  
>>>matter. Please contact me if you have any questions.

>>>>

>>>>Best regards,

>>>Heather

>>>>-

>>>>=====

>>>Heather Benway

>>>Paleoclimatology Program

>>>NOAA Office of Global Programs

>>>1100 Wayne Avenue,Suite 1210

>>>Silver Spring, MD 20910

>>>Phone:301-427-2089 x113

>>>Fax: 301-427-2073

>>>E-mail: benway@ogp.noaa.gov

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>> Professor Michael E. Mann

>> Department of Environmental Sciences, Clark Hall

>> University of Virginia

>> Charlottesville, VA 22903

>>> -

>>

>>e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: (804)

>>982-2137

>> <http://www.evsc.virginia.edu/faculty/people/mann.html>

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>

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982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.html>

>

>

From: Sent: To:

Subject:

Heather Benway <benway@ogp.noaa.gov> Thursday, January 13, 2000 9:52 AM

Michael E. Mann

Re: grant

Hi Mike,

Sounds like you've settled in nicely and things are going well at UVA.

I just sent out a group email that should answer your question below.

Cheers, Heather

On Wednesday, January 12, 2000, Michael E. Mann <mann@multiproxy.evsc.virginia.edu> wrote:

>HI Heather,

>

>Thanks for the heads up on that. And congratulations on OSU--I hadn't heard

>about that since last time I talked to you.

>  
>Will be happy to send the annual report in question ASAP. My postdoctoral  
>research assistant Scott Rutherford has just arrived and the project is  
>moving ahead. Can you let me know the period inclusive period for which  
>this first annual report is supposed to apply? Is this just for the  
'99  
>calendar year  
>(which would represent the first few months of support)? We have made some  
>progress, though not a huge amount, in this short period of time. Thanks in  
>advance for any more info you can provide.

>  
>cheers, and congrats on OSU...

>  
>mike

>  
>At 05:27 PM 1/12/00 -0400, you wrote:

» Dear Mike,  
»As you know,I will be leaving NOAA/OGP in March to begin a doctoral  
» program at Oregon State University. At NOAA, we are currently in the  
» process of developing both short- and long-term solutions for the recent  
» flock of departures (Jonathan Overpeck, Robin Webb, myself) from the  
NOAA

»Paleoclimatology Program. In anticipation of the proposed near-term  
» management solutions,I would like to ensure that my currently

supported Pis

»will not face any problems or delays in securing their FY 2000 money.

»Subsequently,I am trying to get as many of my funding transactions

»taken care of as possible before my departure. I am writing to solicit  
»your help in expediting this process with your award (number  
NA96GP0404)  
»entitled "Multiproxy Climate Reconstruction: Extension in Space and  
Time,  
»and Model/Data Intercomparison." As you know, I cannot move any money  
»without an annual progress report in hand. I am aware that your  
progress  
» report is not due for several months, but could you submit your report  
»to me early so that I can get your continuation processed before my  
»departure in March? I would certainly appreciate your cooperation in this  
»matter. Please contact me if you have any questions.

>>

»Best regards,

»Heather

>>--

>>=====

»Heather Benway

»Paleoclimatology Program

»NOAA Office of Global Programs

»1100 Wayne Avenue, Suite 1210

»Silver Spring, MD 20910

»Phone: 301-427-2089 x113

»Fax: 301-427-2073

»E-mail: [benway@ogp.noaa.gov](mailto:benway@ogp.noaa.gov)

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>>

>>

>>

>

> Professor Michael E. Mann  
> Department of Environmental Sciences, Clark Hall  
> University of Virginia  
> Charlottesville, VA 22903  
>

—

>e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: (804)  
982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.html>  
>  
>

From: Sent: To:

Cc:

Subject:

Heather Benway <benway@ogp.noaa.gov> Wednesday, January 12, 2000 4:28 PM Michael Mann

Malcolm Hughes; Raymond Bradley grant

Dear Mike,

As you know, I will be leaving NOAA/OGP in March to begin a doctoral program at Oregon State University. At NOAA, we are currently in the process of developing both short- and long-term solutions for the recent flock of departures (Jonathan Overpeck, Robin Webb, myself) from the NOAA Paleoclimatology Program. In anticipation of the proposed near-term management solutions, I would like to ensure that my currently supported Pis will not face any problems or delays in securing their FY 2000 money.

Subsequently, I am trying to get as many of my funding transactions taken care of as possible before my departure. I am writing to solicit

your help in expediting this process with your award (number NA96GP0404) entitled "Multiproxy Climate Reconstruction: Extension in Space and Time, and Model/Data Intercomparison." As you know, I cannot move any money without an annual progress report in hand. I am aware that your progress report is not due for several months, but could you submit your report to me early so that I can get your continuation processed before my

departure in March? I would certainly appreciate your cooperation in this matter. Please contact me if you have any questions.

Best regards, Heather

=====

Heather Benway

Paleoclimatology Program

NOAA Office of Global Programs

1100 Wayne Avenue, Suite 1210

Silver Spring, MD 20910

Phone: 301-427-2089 x113

Fax: 301-427-2073

E-mail: benway@ogp.noaa.gov

From: Sent: To:

Subject:

Jonathan Overpeck <jto@u.arizona.edu> Thursday, December 30, 1999 12:31PM Michael E. Mann

Re: earth interactions

that tropical feel is growing on me for sure. slept under the stars at 6000' on xmas eve- really nice. One of the dogs got into a skunk,ut seemed to like it,so we went easy on her and only made her go swimming about 100 times before we got back to civilization. thx for the update on the El deal. Have a good y2k! cheers, Peck  
Jonathan T. Overpeck Director, Institute for the Study of Planet Earth Professor,Department of Geosciences

715 N. Park Ave. 2nd Floor

University of Arizona Tucson, AZ 85721 tel:+1520 622-9062

direct tel:+1520 622-9065

fax: +1520 792-8795 [http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html) <http://www.ispe.arizona.edu/>

From: Sent: To:

Subject:

Jonathan Overpeck <jto@u.arizona.edu> Tuesday, December 28,1999 4:53 PM  
mann@multiproxy.evsc.virginia.edu

earth interactions

Hi Mike - hope you're enjoying the holidays... what's the latest work on the EI article? Bye for now, thx, Peck Jonathan T.

Overpeck Director, Institute for the Study of Planet Earth Professor, Department of Geosciences

715 N. Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721

tel: +1520 622-9062

direct tel: +1520 622-9065 fax: +1520 792-8795 [http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html)  
<http://www.ispe.arizona.edu/>

From: Sent: To:

Subject:

rnharris@mines.utah.edu on behalf of Robert N Harris <rnharris@mines.utah.edu> Friday, October 08, 1999 3:29 PM

Mann, Mike

Proposal Funding - NOAA

Mike,

Here are some possibilities for funding through NOAA.

Do you have any experience with NOAA? Let me know what you think. It looks like there is a December 14 deadline or Jan 7 deadline. The later deadline would be better for me.

Date: Fri, 08 Oct 1999 12:51:36 -0400 (Eastern Daylight Time) From: SMARTS <smarts@infoed.org>

To: rharris@rsmas.miami.edu



Subject: Daily SMARTS Output- 1hit{s)

Resent-Date: Fri,08 Oct 1999 12:51:36 -0400 (Eastern Daylight Time) Resent-From: smarts@infoed.org

\*\*\*\*\*

Program Number: 09008

Title: NOAA--Climate and Global Change

Program

Sponsor: National Oceanic & Atmospheric Administration

**SYNOPSIS:**

The sponsor provides support for programs designed to improve the ability to observe, understand, predict, and respond to changes in the global environment. Eligible applicants include universities, non-profit organizations, for-profit organizations, state and local governments, and Indian tribes. Funding will be provided for projects up to three years in length.

Deadline(s): 07/31/1999

10/15/1999

12/14/1999

01/07/2000

Established Date: 04/01/1992

Follow-Up Date: 07/01/2000

Review Date: 10/07/1999

Contact: Irma duPree

Address: Office of Global Programs

1100 Wayne Avenue

Suite 1225

Silver Spring, MD 20910-5603

U.S.A.

E-mail: duPree@ogp.noaa.gov

WebSite:

Tel: 301-427-2089 x107

Fax: 301-427-2222

Deadline Ind: Postmark

Deadline Open: No

\*See Restrictions for further information.

Award Type(s): Collaborative Project

Research Grants/R & D

Citizenship/Country of Applying Institution:

U.S.A. Citizenship (including U.S. Territories)

Locations Tenable: U.S.A. Citizenship (including U.S. Territories)

Appl Type(s): Colleges/Universities

For-Profit

Indian Tribes/Governing Orgs. Non-Profit

State/Local Agencies

Target Group(s): NONE

Funding Limit: \$0 NOT PROV Duration: 3 YEARS

Indirect Costs: Yes Cost Sharing: No Sponsor Type: Federal

Geo.Restricted: NO RESTRICTIONS

CFDA#: 11.431

**OBJECTIVES:**

The sponsor provides support for programs designed to improve the ability to observe, understand, predict, and respond to changes in the global environment. The long term objective of the program is to provide reliable predictions of climate variability and change with associated regional implications on time scales ranging from seasons to a century or more. Proposals that seek to exploit the sponsor's facilities and capabilities in collaborative efforts between the sponsor and extramural investigators are encouraged. Research is sought in the following areas:

**AEROSOLS**--focuses on research to improve the predictive understanding of the role of anthropogenic aerosols in climate focusing. For further information, contact: Joel Levy, NOAA/Office of Global Programs; telephone: 301-427-2089 ext. 111; Internet:

[levy@ogp.noaa.gov](mailto:levy@ogp.noaa.gov).

**ATMOSPHERIC CHEMISTRY**-focuses on global monitoring, process-oriented laboratory and field studies, and theoretical modeling to improve the predictive understanding of the atmospheric trace gases that influence the earth's chemical and radiative balance. For an information sheet containing further details, contact: Joel M. Levy, NOAA/Office of Global Programs, telephone: 301-427-2089 ext. 111, Internet:

levy@ogp.noaa.gov; or Fred C. Fehsenfeld, NOAA/Aeronomy Laboratory, Boulder,CO, telephone: 303-497-5819,

Internet: fcf@al.noaa.gov.

**CLIMATE AND SOCIETAL INTERACTIONS**--research on vulnerability,opportunities, and response options,variability, change, and surprise results from a wide variety of climatological, social,economic and ecological circumstances and interactions. The purpose of this program is to increase understanding of the impacts of climate variability and change as conditioned by ongoing processes of decision-making and socio-economic transformation. The suite of efforts is intended to further research-based integration between studies of the whole of the climate system,including human components, such as health,and evolving informational and educational needs of decision-makers in climate sensitive sectors. The goal is to provide the basis for more effective application of climate information,including climate forecasts, for purposes of adaptation.

The intent of this program is to encourage overlapping research approaches to integrate knowledge for problem solving. Prospective applicants are strongly encouraged to communicate with Program Officers listed within this program.

**HUMAN DIMENSIONS OF GLOBAL CHANGE RESEARCH**--aimed at understanding how social and economic systems are currently influenced by fluctuations in climate, and how human behavior can be (or why it may not be) affected based on information about variability in the climate system.

For more information and a detailed information sheet, contact: Caitlin Simpson,NOAA/Office of Global Programs; telephone:

301-427-2089 ext. 152;Internet: simpson@ogp.noaa.gov.

**REGIONAL ASSESSMENTS**--possesses three distinct qualities:

interdisciplinarity,integration and synthesis; bridging the gap between climatic, environmental and societal interactions on different temporal and spatial scales; and decision support and services. It requires innovative partnerships among a spectrum of interests (federal,State, local and private) to enable regional organizational capacity to develop accurate (i.e., identifying risks, uncertainties, and/or indeterminacies), balanced syntheses and services on an ongoing basis. As such, the program relies heavily on consolidating the results and data from ongoing sponsor disciplinary program elements, already funded in a region,into an integrated framework. For more information and a detailed information sheet, contact: Roger Pulwarty, NOAA/Office of Global Programs;telephone:301-427-2089 ext. 103;

Internet: pulwarty@ogp.noaa.gov.

**CLIMATE CHANGE DATE AND DETECTION**--scientific goals include efforts

to: provide data and information management support activities needed to assure the availability of critical data sets from a variety of national and international programs of primary interest to the sponsor's Climate and Global Change Program, e.g., the CLIVAR (Climate Variability and Predictability) Program, GEWEX (Global Energy & Water Cycle Experiment), GCOS (Global Climate Observing System), National and International Assessments, etc.; provide data and information management support related to cross cutting science efforts necessary to assess seasonal, interannual, decadal, and longer climate variations and changes; document the quantitative character of observed climate variations and changes; and attribute changes in the observed climate record to specific climate forcings.

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA)/NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA) JOINTLY SPONSORED PROJECT--a number of new starts are anticipated within the project that supports research in the areas of data fusion and enhancement of climate data sets through the use of space and/or ground based observations. Preference will be given to those proposals that use more than one observing system to develop a blended data set.

NOAA/DEPARTMENT OF ENERGY (DOE) JOINTLY SPONSORED PROJECT--a very limited number of new starts are anticipated within the project that specifically addresses all aspects of climate change detection and attribution. Additional details on the jointly sponsored projects are provided on the supplementary fact sheet included in the program announcement mailing (additional copies of the supplementary fact sheet can be obtained from the above contact). For further information contact: Bill Murray, NOAA/Global Programs, telephone:

301-427-2089 ext. 133, Internet: [murray@ogp.noaa.gov](mailto:murray@ogp.noaa.gov); Chris Miller, NOAA/Global Programs, telephone: 301-427-2089

ext. 143, Internet:

[miller@ogp.noaa.gov](mailto:miller@ogp.noaa.gov); Martha Maiden, NASA/Headquarters, telephone:

202/358-1078, Internet: [maiden@hq.nasa.gov](mailto:maiden@hq.nasa.gov); or Rick Petty, DOE/Environmental Sciences Division, Germantown, MD, telephone:

301-903-5548, Internet: [Rick.Petty@oer.doe.gov](mailto:Rick.Petty@oer.doe.gov).

CLIMATE DYNAMICS AND EXPERIMENTAL PREDICTION--will not accept applications to initiate centers at new institutions, but will accept renewal applications for ongoing efforts or as part of ongoing negotiations. Qualified applications for this program may be submitted throughout the year. For further information, contact Mark Eakin, NOAA/Global Programs, 301-427-2089 ext. 109, Internet:

[eakin@ogp.noaa.gov](mailto:eakin@ogp.noaa.gov).

CLIMATE VARIABILITY AND PREDICTABILITY (CLIVAR)--focuses on the role of the coupled ocean and atmosphere within the overall climate system, with emphasis on variability, especially within the oceans, on seasonal to centennial time scales. CLIVAR intends to explore predictability and how to improve predictions

of climate variability and climate change using existing, re-analyzed, and new global observations, enhanced coupled ocean-atmosphere-land-ice models and paleoclimate records. A separate program announcement for CLIVAR will be issued later this year inviting proposals for CLIVAR Atlantic, CLIVAR Pacific (formerly GOALS), and CLIVAR PACS. Investigators interested in these program areas are encouraged to respond to this later announcement. For further information on the Atlantic, please contact James Todd, NOAA /Global Programs; telephone: 301/427-2089 ext. 139; Internet: todd@ogp.noaa.gov. For the Pacific and PACS efforts, please contact, Michael Patterson, NOAA/Global Programs;

telephone: 301-427-2089 ext. 102; Internet: patterson@ogp.noaa.gov.

ECONOMICS AND HUMAN DIMENSIONS OF CLIMATE FLUCTUATIONS--see the description for Climate and Societal

Interactions above.

GEWEX CONTINENTAL-SCALE INTERNATIONAL PROJECT--supports research directed at closing regional water and energy budgets, developing coupled hydrologic-atmospheric models and interpreting hydroclimatic predictions for water resource managers within the Mississippi River Basin. For this call priority will be given to research in the Missouri River Basin. Details of the priority research needs are outlined in the CCIP Major Activities Plan for the Large Scale Area-- Northwest. For more information, contact Rick Lawford, NOAA/Office of Global Programs; telephone: 301-427-2089

ext. 146;

Internet: lawford@ogp.noaa.gov.

GLOBAL CARBON CYCLE--focuses on global observations, process-oriented field studies and modeling to improve our ability to predict the fate of anthropogenic carbon dioxide (CO<sub>2</sub>), and future CO<sub>2</sub> concentrations.

For an information sheet containing further details and the current priorities, please contact Lisa Dilling, NOAA/Office of

Global Programs; telephone: 301-427-2089 ext. 106; Internet: dilling@ogp.noaa.gov; or see the web at: <http://www.ogp.noaa.gov/MPE/GCC/GCCinfo.html>.

GLOBAL OCEAN--ATMOSPHERE--LAND SYSTEM--(GOALS)--see the description for Climate Variability and Predictability above.

PAN-AMERICAN CLIMATE STUDIES--see the description for Climate Variability and Predictability above.

OCEAN-ATMOSPHERE CARBON EXCHANGE STUDY-see the description for Global Carbon Cycle above.

PALEOCLIMATOLOGY-seeks proposals that support the joint IGBP PAGES/WCRP CLIVAR Research Initiative. This initiative is jointly supported by NOAA and the National Science Foundation (NSF) through the Earth System History (ESH) Program at NSF. All proposals must be submitted to the NSF/ESH Program by January 15 each year. For more information, please contact Heather Benway, NOAA/Global Programs,

301-427-2089 ext. 113, Internet: [benway@ogp.noaa.gov](mailto:benway@ogp.noaa.gov); Jonathan Overpeck NOAA/National Geophysical Data Center,

Boulder, CO; 303-497-6172, Internet: [jto@mail.ngdc.noaa.gov](mailto:jto@mail.ngdc.noaa.gov); or Connie Sancetta, National Science Foundation (NSF) OCE Program, Arlington, VA; 703-306-1586, Internet: [sancett@nsf.gov](mailto:sancett@nsf.gov) or visit <http://www.nsf.gov/pubs/1997/nsf9716/nsf97161.htm>.

#### RESTRICTIONS:

Unless otherwise noted in the above program descriptions, strict deadlines for submission to the FY 2000 process are as follows:

Letters of intent must be received no later than July 31, 1999. Full proposals must be received no later than October 15,

1999. The PACS/GCIP Warm Season Precipitation letters of intent must be received no later than October 15, 1999, with full proposals postmarked on or before December 14, 1999. The CLIVAR research projects letters of intent must be received no later than October 15, 1999, with full proposal postmarked on or before January 7, 2000.

Extramural eligibility is not limited and is encouraged with the objective of developing a strong partnership with the academic community. Universities, non-profit organizations, for-profit organizations, state and local governments, and Indian tribes, are included among entities eligible for funding under this announcement.

Funding for non-U.S. institutions is not available under this announcement.

The total funding for FY 2000 is to be determined. Current program plans assume that over fifty percent of the total resources provided will support extramural efforts, particularly those involving the broad academic community. The program has been approved for multi-year funding up to a three year duration. Matching share is not required by this program.

Prospective applicants should communicate with Program Officers for information on priorities within program elements and prospects for funding. Facsimile and electronic mail are acceptable for letters of intent only. Source: Federal Register (07/09/99) Vol. 64, No. 131, pp. 37101-05. Source: Federal Register (10/06/99) Vol. 64, No. 193, pp.

54274-75. (ejs)

KEYWORDS:BEHAVIORAL/SOCIAL SCIENCES Economics

Water Resources, Management/Planning

HEALTH AND SAFETY/MEDICAL SCIENCES/BIOMEDICAL Atmospheric Sciences

Climatology Atmospheric Chemistry Information Science/Systems Data Systems

Earth Sciences Hydrology Environmental Studies Global Change

Marine and Ocean Sciences Coupled Ocean Acoustics Models Ocean Modeling

Science and Society

Space Sciences Atmospheric Models Change Detection ENERGY

Carbon Dioxide

Socioeconomics

Robert N. Harris

University of Utah

Dept. of Geology and Geophysics

719 W.C. Browning Bldg.

Salt Lake City, UT 84102-1183

Phone: 801-581-3588

Lab: 801-581-3588







>

>Can you update us on the status of the sub-contract award to U.Va ?

>When I received word that the NOAA award was received by Columbia la st

> February, I fully expected that our own sub-contract would be received

>at U.Va by the spring at the latest, and thus committed to support a

>graduate student over the summer on this project. Now summer is here, and still no money!

>

> I'm wondering what might be leading to these further delays, and if

>there is any way we can get this taken care of ASAP. I've cc'd this

>message to our grants administrator Neal Grandy (nrg2p@virginia.edu).

> Please feel free to get in touch w/ him.

>

> Thanks in advance for your attention to this matter,

>

> Mike Mann

>

>At 11:09 AM 2/28/02 -0500, you wrote:

>>hi Mike,

>>

>>

>>here it is,at last...

>>

>>cheers

>>Rosanne

>>

>>

>>Date: Thu, 28 Feb 2002 10:56:49 -0500

>>From:Pamela Stambaugh <pam@admin.ldeo.columbia.edu>

>>X-Accept-Language:en

>>MIME-Version:1.0

>>To: Karen Hoffer <khoffer@admin.ldeo.columbia.edu>

>>CC: druidrd@ldeo.columbia.edu,drdendro@ldeo.columbia.edu

>>Subject: Re: [Fwd:Prop.9668 CJFAR/NOAA

>>Status:

>>

>>Everyone,

>>

>>This award was signed off January 24th and returned to the U. of  
>>Alaska for countersignature It arrived at CU/OPG yesterday and they  
>>will set up an account ASAP.

>>

>>Period: 8/16/01- 8/15/02 \$85,946

>>

>>It appears that these "virtual" institutes that NOAA is creating such  
>>as CIFAR,CICAR, etc add an extra layer that slows down the award  
>>system.OPG indicated that they have been following up for many  
>>months. Whether NOAA was late in getting the award to U.of Alaska or  
>>Alaska has delayed in finalizing an award to us is not apparent. In  
>>any event,it's in and I'll let you know as soon as an account number  
>>is in the system for your use.

>>

>>Pam

>>

>>Rosanne D'Arrigo,Senior Research Scientist Tree-Ring Laboratory

>>Lamont-Doherty Earth Observatory

>>61Route 9W

>>Palisades, New York 10964

>>845 365 8617 845 365 8152 fax

>>email: druidrd@ldeo.columbia.edu

>

>

> Professor Michael E. Mann  
> Department of Environmental Sciences, Clark Hall  
> University of Virginia  
> Charlottesville, VA 22903  
>

>e-mail:rnann@virginia.edu Phone:(434) 924-7770 FAX: (434) 982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.shtml>

From: Sent: To:

Cc:

Subject:

Pamela Stambaugh <pam@admin.ldgo.columbia.edu> Tuesday, May 07, 2002 8:12 AM

Michael E. Mann

khoffer@admin.ldgo.columbia.edu; rosanne; nrg2p@virginia.edu;rg292@columbia.edu

Re: finally!!! UALASKA UAF 02-0033

Importance: High

Follow Up Flag: Flag Status:

Follow up

Flagged

<x-html>

<!doctype html public "-//w3c//dtd htm1 4.0 transitional/fen"> <html> Mike, <p>Subcontracts are issued from the

Columbia University Office of Projects and Grants. I have forwarded a copy of this email to the contact person:

<p><b>Ruby Gatewood</b>&nbsp;</b>&nbsp;<b>Phone: 212-854-6851

<br>email:rg292@columbia.edu

<p>Our agreement from the University of Alaska was signed off Feb.12th.

However, the period of performance is actually 8/16/01- 8/15/02. The amount awarded for the University of Virginia subcontract is \$14,400. Perhaps this email can serve as a letter of Intent so that your institution can set up an account while you are waiting for Ruby Gatewood to send the paperwork.

<p>Pam

<br>&nbsp;</br>

<p>"Michael E.Mann" wrote:

<blockquote TYPE=CITE>Dear Pam,

<p>Can you update us on the status of the sub-contract award to U.Va? When I <br>received word that the NOAA award was received by Columbia last February, I <br>fully expected that our own sub-contract would be received at U.Va by the <br>spring at the latest, and thus committed to support a graduate student over <br>the summer on this project. Now summer is here, and still no money!

<p>I'm wondering what might be leading to these further delays, and if there <br>is any way we can get this taken care of ASAP.&nbsp;<br>I've cc'd this message to <br>our grants administrator Neal Grandy {nrg2p@virginia.edu}. Please feel free <br>to get in touch w/ him.

<p>Thanks in advance for your attention to this matter,<p>Mike Mann <p>At 11:09 AM 2/28/02 -0500, you wrote:

<br>hi Mike,

<br></br>

<br></br>

<br>here it is, at last...

<br></br>

<br></br><br></br>cheers

<br></br><br></br>Rosanne







Neal Grandy <nrg2p@virginia.edu> Tuesday, May 07, 2002 9:07 AM Pamela Stambaugh

Mike Mann; Ruby Gatewood

Re: finally!!! UALASKA UAF 02-0033

Follow Up Flag: Flag Status:

Follow up

Flagged

<x-html>

<html>

Hi Pam,<br>

<br>

Thanks for the update on the subcontract award to Mike Mann. I'll try to use this to set up a preliminary award for Mike, so he can put students on the right funds from the start of the summer. The late timing of the award -- i.e., having to spend it by 8/15/02 -- may put Mike is a bit of a pinch, but I guess we have to play the hand we're being dealt. Still, anything that can be done to expedite on Columbia's end would be appreciated.<br> <br> Had I remembered that the funds were actually coming from the University of Alaska, the reason for the delays would have been obvious-- their grants office is chronically understaffed and therefore unusually sloth-like!<br> <br> Thanks again<, br> Neal<br> <br>

<br> At 08:11AM 5/7/2002 -0400,you wrote:<br> <blockquote type=cite class=cite cite>Mike, <br> <br> Subcontract s are issued from the Columbia University Office of Projects and Grants. I have forwarded a copy of this email to the contac t person:

<br>

<br>

<br>Ruby Gatewood </b>&nbsp; Phone: 212-854-6851<br>

email: rg292@columbia.edu <br>

<br>

Our agreement from the University of Alaska was signed off Feb. 12th.

However, the period of performance is actually 8/16/01- 8/15/02. The amount awarded for the University of Virginia subcontract is \$14,400.

Perhaps this email can serve as a Letter of Intent so that your institution can set up an account while you are waiting for

Ruby Gatewood to send the paperwork. <br> <br> Pam <br> &nbsp;<br> <br> &quot;Michael E. Mann&quot;wrote:

<br> <blockquote type=cite class=cite cite>Dear Pam,<br> <br> Can you update us on the status of the sub-contract award to U.Va? When I <br> received word that the NOAA award was received by Columbia last February,I <br> fully expected that our own sub-contract would be received at U.Va by the <br> spring at the latest, and thus committed to support a graduate student over <br> the summer on this project. Now summer is here, and still no money!

<br>

<br>

I'm wondering what might be leading to these further delays, and if there <br> is any way we can get this taken care of

ASAP.&nbsp;<br>I've cc'd this message to <br> our grants administrator Neal Grandy (nrg2p@virginia.edu). Please feel free

<br> to get in touch w/ him. <br> <br> Thanks in advance for your attention to this matter, <br> <br> Mike Mann <br>

<br> At 11:09 AM 2/28/02 -0500, you wrote: <br> &gt;hiMike,<br> &gt;<br> &gt;<br> &gt;here it is, at last.. <br> &gt;

<br> &gt;cheers <br> &gt;Rosanne <br> &gt;<br> &gt;

&gt;Date:Thu, 28 Feb 2002 10:56:49 -0500 <br>

&gt;From: Pamela Stambaugh &lt;pam@admin.ldeo.columbia.edu&gt; <br>

&gt;X-Accept-Language: en <br>

&gt;MIME-Version:1.0 <br>

&gt;To: Karen Hoffer &lt;khoffer@admin.ldeo.columbia.edu&gt;<br>

&gt;CC: druidrd@ldeo.columbia.edu, drdendro@ldeo.columbia.edu <br>

&gt;Subject: Re: [Fwd: Prop. 9668 CIFAR/NOAA <br>

&gt;Status: <br>

&gt;<br>

&gt;Everyone, <br>

&gt;<br>





<x-html>

<!doctype html public "-//w3c//dtd html 4.0 transitional//en"> <html> Everyone,<p>Just to clarify a few points:

<p>We did not receive our funding from the University of Alaska until February 20th.

<p>This award terminates 8/15/02. However,the contract has an option clause that would allow it to be extended for one year.

<p><b>Rosanne</b>: Who told you that a final report was due now? Since you originally asked for funding for 2 years,is

it possible that you should now submit a progress report so that the second year of funding can be awarded? Maybe you could check on this with your Program Official. If no further funds are forthcoming, perhaps you could ask for a no-

funds-extension if more time is needed to complete the project.

<p><b>Mike:</b>I have mentioned this in previous emails. Subcontracts are issued by the Office of Projects and Grants at Columbia University,not lamont. I currently have a call in to Ruby Gatewood at OPG to see what the holdup is. I suspected it might take OPG a while to issue a subaward and explained this in an email to NealGrandy. Ihoped that he would understand&nbsp;the money was forthcoming and could set you up an advance account number to charge while waiting for the official paperwork.

<p>I'll get back to everyone as soon as Iconfirm the subcontract status with CU/OPG.

<p>Have a nice relaxing holiday weekend.

<p>Pam

<br>&nbsp;

<br>&nbsp;

<p>"Michael E.Mann" wrote:

<blockquote TYPE=CITE>Hi Ro sanne,

<p>At first I thought this might be a joke? But apparently not...

<p>Well since we haven't yet received the subcontract from lamont (although my <br>understanding is that it is now on the way, and so we've set up a <br>preliminary project here at U.Va now In expectation of receipt of the <br>sub- contract shortly) we obviously haven't been able to do any work on this <br>yet.&nbsp;A final report, before we've

even received our funding???

<p>I have a graduate student that I intend to fund on this over the summer.





Follow Up Flag:

Flag Status:

Follow up

Flagged

OK thanks Patricia, we'll do that then.

cheers, Rosanne

>Hi Rosanne,

>

>Why don't we wait for the 2003 annual report for your progress report,

>given the timing of receipt of funds. Thanks for reminding me.

>

>Best Regards,

>Patricia

>

>

>

>

>

» Patricia -

>>



» We only just received the funds for this a few weeks ago.

>>Do you still need us to submit a progress report?

>>

»thanks

>>Rosanne D'Arrigo

>>

Rosanne D'Arrigo, Senior Research Scientist Tree-Ring Laboratory Lamont-Doherty Earth Observatory

61Route 9W

Palisades, New York 10964

845 365 8617 845 365 8152 fax email: druidrd@ldeo.columbia.edu

From: Sent: To: Subject:

zhang zhihua <zz9t@virginia.edu> Friday, August 23, 2002 5:13 PM Michael E. Mann

RE: Ed Cook

This is a multi-part message in MIME format.

-----=\_NextPart\_000\_0002\_01C24AAF.IF685A60

Content-Type: text/plain;

charset="US-ASCII" Content-Transfer-Encoding: 7bit

Hi, Mike,

I think that will be OK by the end of next week, Any delay would not be exceed two days because of some unexpected reasons.

Have a good trip, Zhang

----Original Message----

From: Michael E. Mann [mailto:mann@virginia.edu] Sent: Friday, August 23,2002 10:53 AM

To: zz9t@virginia.edu

Subject: Ed Cook

Hi Zhang,

I'll be meeting with Ed Cook in early September (around the 9th or so), so it would be very useful if we have a draft of the paper available by the end of next week. Please let me know if that is a problem. Thanks,

mike

Professor Michael E. Mann

Department of Environmental Sciences,Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail: mann@virginia.edu Phone: (434) 924-7770 FAX: (434) 982-2137

<http://www.evsc.virginia.edu/faculty/people/mann.shtml>

-----=\_NextPart\_000\_0002\_01C24AAF.1F685A60

Content-Type: text/html;

charset="US-ASCII"

Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional/f EN"> <HTML><HEAD> <META http-equiv=3DContent- Type content=3D"text/html; = charset=3Dus-ascii"> <META content=3D"MSHTML 6.00.2600.0" name=3DGENERATOR></HEAD> <BODY> <DIV><SPAN class=3D890355620-23082002><FONT face=3DArial color=3D#OOOOff =

size=3D2>Hi,=20

Mike,</FONT></SPAN></DIV>

<DIV><SPAN class=3D890355620-23082002><FONT face=3DArial color=3D#OOOOff =

size=3D2></FONT></SPAN>&nbsp;</DIV>

<DIV><SPAN class=3D890355620-23082002><FONT face=3DArial color=3D#OOOOff =

size=3D2>1=20

think that will be OK by the end of next week,Any delay would not be= exceed two=20 days because of some unexpected reasons.</FONT></SPAN></DIV> <DIV><SPAN class=3D890355620-23082002><FONT face=3DArial color=3D#0000ff =

size=3D2></FONT></SPAN>&nbsp;</DIV>

<DIV><SPAN class=3D890355620-23082002><FONT face=3DArial color=3D#OOOOff = size=3D2>Have a=20 good trip,</FONT></SPAN></DIV> <DIV><SPAN class=3D890355620-23082002><FONT face=3DArial color=3D#OOOOff =

size=3D2></FONT></SPAN>&nbsp;</DIV>

<DIV><SPAN class=3D890355620-23082002><FONT face=3DArial color=3D#OOOOff =

size=3D2>Zhang</FONT></SPAN></DIV>



<BR>e-mail:=20

mann@virginia.edu&nbsp;&nbsp; Phone:(434) 924-7770&nbsp;&nbsp; FAX:=(434)=20

982-2137<BR>&nbsp;<A=20  
href=3D"http://www.evsc.virginia.edu/faculty/people/mann.shtml"=20

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eudora=3D"autourl">http://www.evsc.virginia.edu/faculty/people/mann.shtml=

</A></FONT>=20

</P></BLOCKQUOTE></BODY></HTML>

-----\_NextPa rt\_000\_0002\_01C24AAF.1F685A60--

From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@multiproxy.evsc.virginia.edu> Friday, November 17, 2000 1:01PM

Jennifer Giesler

Verardo, David J.; mann@virginia.edu

Re: workshop in Charlottesville

Dear Jennifer,

Thanks for your message.

Below are the email addresses for the invitees. Since we only have a total of 10K for reimbursing expenses for workshop invitees, I expect we should indicate in our letter that there is a maximum level of roughly \$650 reimbursement available, with possible exceptions for individuals in need, and we expect individuals to supplement costs with other available funds. That would leave behind an additional 1K which we could use to fully reimburse some of the more junior people like Hughen, Evans, Reichart who aren't as well funded as the more senior invitees}.

LIST:

R. Bradley

M. Hughes

J. Overpeck T. Crowley E. Cook

R. Webb

M. Cane

M. Evans

rbradley@geo.umass.edu mhughes@ltrr.arizona.edu jto@u.arizona.edu tom@ocean.tamu.edu

drdendro@ldeo.columbia.edu

rwebb@cdc.noaa.gov mcane@ldeo.columbia.edu

mevans@ldeo.columbia.edu

O. Battisti david@atmos.washington.edu

K. Hughen khughen@whoi.edu J. Lean jlean@ssdS.nrl.navy.mil J. Cole  
jcole@geo.arizona.edu

E. Sarachik sarachik@atmos.washington.edu

B. Reichart reichert@dkrz.de (will reside in U.S. as of Spring '01)

D. Verardo NSF dverardo@nsf.gov (TRAVEL COSTS COVERED BY NSF?)

M. Eakin NOAA (ESH) mark.eakin@noaa.gov (TRAVEL COSTS COVERED BY NOAA)

C. Woodhouse NOAA woodhous@ngdc.noaa.gov (TRAVEL COSTS COVERED BY NOAA)

At 05:37 PM 11/10/00 -0500,Jennifer Giesler wrote:

>Dear Dr. Mann,

>

>I will need e-mails for all the meeting attendees. Either my assistant

>or

I will

>send an e-mail out to everyone at once discussing the logistics. We can prepare

>advances and charge airfare directly to AGU (so that people don't need

>to use their credit card) to help save the attendees money.

>

>I ask each person to respond to our message with their address and then

>we mail

>them the appropriate forms. I will tell everyone that receipts are

>NEEDED for EVERYTHING or they will not be reimbursed. Since these are

>NSF funds I

have to

>account for where they are spent.

>

>I will be attending the GSA meeting next week and won't be back in the

>office untill/20.

>

>Please feel free to contact me if you have any questions.

>

>Jennifer Giesler

>\*\*\*\*\*

>Jennifer Giesler

>Career Services Manager

>American Geophysical Union

>2000 Florida Avenue, NW

>Washington, DC 20009

>p:(202) 777-7512

>f: (202) 328-0566

>jgiesler@agu.org

>\*\*\*\*\*

>

>"Michael E.Mann" wrote:

>

>> Dear Jennifer,

>>

»Thanks in advance for your help. I would like to invite the following

»14 U.S. scientists+3 govt. agency representatives to this event. I

»am hoping that some can supplement travel costs,and the available

»IOK will be used for the rest.

>>

»R. Bradley Geosciences Department, University of Massachusetts, Amherst MA

»M. Hughes (Laboratory of Tree Ring Research,University of Arizona;

»currently on leave at Geosciences Dept.,Univ of Massachusetts, Amherst, MA)

»J . Overpeck {Inst. for Study of Planet Earth, University of Arizona)

>>

»T. Crowley (Texas A&M Univ,College Station TX)

»E. Cook (Lamont Doherty,Columbia Univ)

»R.Webb (NOAA/CDC Boulder CO)

»M. Cane {Lamont Doherty,Columbia Univ)

»M. Evans (Harvard Univ, Earth and Planetary Sciences)

»D. Battisti(Dept. of Atmospheric Sciences, University of Washington)

»K. Hughen (Woods Hole)



»J. Lean (Naval Research Laboratory)

»J. Cole (U. Arizona geology dept)

»E. Sarachik (Oceanography Dept., University of Washington) B.

»Reichert (Dept. Geology & Geophysics, University of Massachusetts)

>>

»The following govt. agency program representatives will also be

»invited and should be able to cover their costs:

>>

»D. Verardo NSF

»M. Eakin NOAA (ESH)

»C. Woodhouse NOAA

»>From: "Verardo,David J." <dverardo@nsf.gov>

»>To: "jgiesler@agu.org" <jgiesler@agu.org>

»>Cc: "mann@virginia.edu" <mann@virginia.edu>

»>Subject: workshop in Charlottesville

»>Date: Thu, 9 Nov 2000 12:18:21-0500

»>X-Mailer: Internet Mail Service (5.5.2650.21)

>>>

>>>Dear Jennifer,

»>NSF will provide \$10,000 out of the AGU grant towards funding the workshop;

»>"Reconstructing Late Holocene Climate"

»>in Charlottesville, Va. 17-20 April 2000. MichaelMann in the

»>Department of EnvironmentalSciences at the University of Virginia

»>is organizing the workshop. Thanks in advance for your help!

>>>

»>Contact info:

»>Michael E.Mann

»>Department of EnvironmentalSciences,Clark Hall University of

»>Virginia Charlottesville, VA 22903

»>e-mail:mann@virginia.edu Phone:(804) 924-7770 FAX:(804) 982-2137

>> >

»>Mike, please contact Jennifer Giesler at AGU (202-777-7512;

»>jgiesler@agu.org) to talk about details (i.e., names and contact

>>>info for participants, logistics, etc.).

>> >Regards,

>>>Dave

>> >

>> >

»>David J . Verardo

»>Director, Paleoclimate Program

»>National Science Foundation

» >GEO/ATM Room 775

» >4201 Wilson Boulevard

»>Arlington, VA 22230

»>tel: 703-292-8527

» >fax:703-292-9023

»>email:dverardo@nsf.gov

>> >

>> >

>> >

>>

» Professor Michael E. Mann

>> Department of Environmental Sciences, Clark Hall

>> University of Virginia

>> Charlottesville, VA 22903

>>

»e-mail:mann@virginia.edu Phone:(804) 924-7770 FAX: {804} 982-2137

» <http://www.evsc.virginia.edu/faculty/people/mann.html>

>

>

>

Professor Michael E. Mann

Department of Environmental Sciences,Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail: mann@virginia.edu Phone:{804} 924-7770 FAX: (804) 982-2137

<http://www.evsc.virginia.edu/faculty/people/rnann.html>

From: Sent: To:

Cc:

Subject:

Vikram M. Mehta <mehta@eos913.gsfc.nasa.gov > Wednesday, March 01, 2000 11:26 AM  
mehta@climate.gsfc.nasa.gov; david@atmos.washington.edu;

tonyb@neptune.gsfc.nasa.gov; td@gfdl.gov; chet@neptune.gsfc.nasa.gov; lau@climate.gsfc.nasa.gov;  
elindstr@hq.nasa.gov; mann@virginia.edu; beatrice@ldgo.columbia.edu;jay@soest.hawaii.edu;  
eric.smith@msfc.nasa.gov; visbeck@ldeo.columbia.edu;yamagata@geoph.s.u-tokyo.acjp  
mehta@eos913.gsfc.nasa.gov

NASA -IPRC DecVar Workshop: Suggested additions to the list of invitees

Hi,

I have received the following additional names of speakers to be invited to the NASA-IPRC Workshop on Decadal

Climate Variability.

Satellite remote sensing: Roy Spencer (NASA/MSFC-GHCC) Program Managers: Mike Patterson (NOAA)

Paleoclimate data: Mike Evans (Harvard) Jim White (Univ. of Colorado) Julia Cole (Univ. of Arizona)

Malcom Hughes (Univ. of Arizona) Modeling: Andrew Weaver (Univ. of Victoria)

Richard Greatbatch (Dalhousie Univ.)

High-lat. variability: Andrey Proshutinsky (Univ. of Alaska) Igor Polyakov (Univ. of Alaska)

Lawrence Mysak (McGill Univ.) John Walsh (Univ. of Illinois?) Claire Parkinson (NASA/GSFC)

Please let me know in the next couple of days whether we should include others at this stage, so that the first announcement of this Workshop can be sent out soon.

Thanks.

Best regards, Vikram

\*\*\*\*\*

Vikram M. Mehta Phone: 301-614-6202

Research scientist FAX:301-614-6307

Earth System Science Interdisciplinary Center, Univ. of Maryland, College Park, MD 20742, U.S.A.

and

Code 913, Climate and Radiation Branch,

NASA/Goddard Space Flight Center, Greenbelt, MD 20771, U.S.A.

\*\*\*\*\*

From: Sent: To:

Cc:

Subject:

Mike Sparrow <mdsp@soc.soton.ac.uk> Friday, December 14, 2001 5:36 AM

jto@u.arizona.edu; jean-claude.duplessy@cfr.cnrs-gif.fr

avillwock@ifm.uni-kiel.de; icpo@socnet.soc.soton.ac.uk; jouzel@asterix.saclay.cea.fr; mann@virginia.edu;  
Steve.Rintoul@marine.csiro.au; efahrbach@awi-bremerhaven.de; philip.froelich@eas.gatech.edu

PAGES/CUVAR CUVAR-CiiC SO Panel interaction

<x-flowed>

Dear Dr.s Duplessy and Overpeck,

The first meeting of the Southern Ocean CLIVAR/CiiC panel, chaired by Steve Rintoul and Eberhard Fahrbach with myself as the ICPO contact, will be meeting in Hobart from the 11 to 13 of March 2002.

Cross panel interaction is an important aspect of CLIVAR. Having just read through the minutes of the second meeting of the PAGES/CLIVAR working group I notice that you have brought up several issues that are relevance to both our panels:

Page 2, action item 14:

"Southern Hemisphere: M.Mann and J.Jouzel to take the lead in exploring the possibility to hold such a workshop in collaboration with the new CLIVAR [CiiC] Southern Ocean Panel as a potential joint effort."

I think the co-chairs of the SO panel would endorse this effort. I would suggest that Dr.s Mann and Jouzel make contact with Steve and Eberhard (Steve.Rintoul@marine.csiro.au and efahrbach@awi-bremerhaven.de).

Page 3, final action item:

"WG leaders to write letters to CLIVAR IPO and SSG nominating paleo-experts for all CLIVAR panels"

Dr Froelich is on the panel as our paleo expert {though he is unable to attend the March meeting). However it may well be that he, or the chairs, contact you for advice on paleo matters.

Page 8, section 4.7:

"...PAGES/CLIVAR will try to initiate activity on paleo data in the Southern Hemisphere. The WG felt that this activity should be coordinated with the CLIVAR SO panel..."

This important issue should be pushed by our panels. Again I would suggest that the chairs of the SO panel (along with

Dr. Froelich) would be the people to discuss this matter with. I wish you all the best with your panel's work in the future. Mike Sparrow

Dr Michael Sparrow

Staff Scientist

WOCE CLIVAR Project Office

Southampton Oceanography Centre Waterfront Campus, European Way SOUTHAMPTON,S014 3ZH, UK

Tei:+44-(0)23-80596205

Fax:+44-(0)23-80596204

WOCE- World Ocean Circulation Experiment of the

World Climate Research Programme <http://www.woce.org>

CLIVAR - The Climate Variability and Predictability Study of the

World Climate Research Programme <http://www.clivar.org>

</x-flowed>

From: Sent To:

Subject:

Jonathan Overpeck <jto@u.arizona.edu> Tuesday, July 17, 2001 4:30 PM

Michael E.Mann

Re:borehole manuscript

<x-flowed>

Mike - good to see you too, and thanks for taking part in the P/C WG.

Thx too for the ms preprint. I'll take it with me to Canada and digest. More later, thx again, Peck

Jona than T. Overpeck

Director, Institute for the Study of Planet Earth Professor, Department of Geosciences

Mail and Fedex Address:

Institute for the Study of Planet Earth

715 N. Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721

direct tel:+1520 622-9065 fax:+1520 792-8795

[http://www.geo.arizona.edu/Faculty Pages/Overpeck.J. html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html) <http://www.ispe.arizona.edu/>

</x-flowed>

From: Sent: To: Subject:

Malcolm Hughes <[mhughes@ltr.arizona.edu](mailto:mhughes@ltr.arizona.edu)> Wednesday, May 05, 1999 8:04 PM  
[memann@titan.oitumass.edu](mailto:memann@titan.oitumass.edu)

resent



Content-type: text/plain;charset=US-ASCII Content-description: Mail message body Content-Transfer-Encoding:7BIT

Here it is!

Professor and Director

Laboratory of Tree-Ring Research

University of Arizona Tucson, AZ 85721 phone 520-621-2191 fax 520-621-8229

e-mqil mhughes@ltrr.arizona .edu

Content-type: text/plain;charset=US-ASCII Content-disposition: inline

Content-description: Attachment information.

The following section of this message contains a file attachment prepared for transmission using the Internet MIME

message format.

If you are using Pegasus Mail, or any another MIME-compliant system, you should be able to save it or view it from within your mailer.

If you cannot, please ask your system administrator for assistance.

---- File information ----- File: Tokyoabstract2.txt Date: 5 May 1999,16:35

Size: 3828 bytes. Type: Text

Attachment Converted: c:\eudora\attach\Tokyoabstract2.txt

Content-type: text/plain; charset=US-ASCII Content-disposition: inline

Content-description: Attachment information.

The following section of this message contains a file attachment prepared for transmission using the Internet MIME

message format.

If you are using Pegasus Mail, or any another MIME-compliant system, you should be able to save it or view it from within your mailer.

If you cannot, please ask your system administrator for assistance.

---- File information ----- File: Tokyoabstract.doc Date: 5 May 1999,16:15

Size: 25600 bytes.

Type: Unknown

Attachment Converted: c:\eudora\attach\Tokyoabstract.doc

From: Sent: To:

Cc:

Subject:

Paal Brekke <pbrekke@esa.nascom.nasa.gov> Monday, October 09, 2000 12:49 PM COURTNEY

singer@sepp.org;dwojick@shentel.net; arking@jhu.edu;hughel@home.com; dhoytl

@erols.com; kidso@hotmail.com; karlen@natgeo.su.se;rmckit@css.uoguelph.ca; roy.spencer@msfc.nasa.gov;  
gerd-rainer.weber@gvstde;pdriessen@cox.rr.com; vinmary.gray@paradise.net.nz; t.v.segalstad@toyen.uio.no;

mebell@cei.org; daly@vision.net.au; wsh@unite.com.au; onar@netpower.no; jarl.ahlbeck@abo.fi;  
Hartwig.Volz@rwedea.de; wsoon@cfa.harvard.edu; cpaynter@greeningearthsociety.org; wevans@trentu.ca;  
rlindzen@mit.edu; gsharp@montereybay.com; priem@dds.nl; mann@virginia.edu; Mike MacCracken;  
cfk@lanl.gov; tom@ocean.tamu.edu; 091335371

@t-online.de; Nigel Calder; bacmteam@aol.com; Dr. Theodor Landscheidt; Mike

MacCracken

Washington Post (Sun comsic rays!)

<http://washingtonpost.com/wp-dyn/articles/A35885-20000ct8.html>

Paal

Paal Brekke,

SOHO Deputy Project Scientist (European Space Agency - ESA)

NASA Goddard Space Flight Center,                      Email:pbrekke@esa.nascom.nasa.gov Mail Code 682.3, Bid. 26,  
Room 001,      Tel.: 1-301-286-6983/301996 9028 (cell) Greenbelt, Maryland 20771, USA.                      Fax:  
1-301-286-0264

From: Sent: To:

Subject:

James Galloway <jng@virginia.edu> Monday, July 10, 2000 4:28 PM envisci-faculty@virginia.edu  
visiting professorship opporunity

Colleagues, please note the following. Note also the July 15 deadline. Jim

June 23, 2000

To: Chairs, Science Departments

From: Melvyn P. Leffler, Dean

Subject: Talbot Visiting Professorship

The Talbot Visiting Professorship is a rotating Chair with a \$50,000 base salary and \$20,000 salary increment. It has been assigned to Arts & Sciences for 2001-2002. Normally the chair is intended to fund a one year appointment, but in special circumstances it could fund a one semester term. I would like to use the Talbot Chair to support interdisciplinary initiatives in the sciences. It might, for example, be linked to the exploration of the proposal of a theory institute.

The concept of visiting professorship has been advanced as a general mechanism for enhancing science visibility. In any case, the Talbot Visiting Professorship should foster interdisciplinary cooperation.

By July 15, 2000, I would like proposals endorsed by one or more science chairs which identify particular areas for the appointment and suggests up to three potential appointees. I encourage you to make informal inquiries as to the availability of potential candidates. Based on these proposals, and with appropriate advice from a

committee I will appoint, I will authorize by September 15, 2000, formal negotiation with a specific individual. The goal would be to finalize an appointment by the end of the Fall semester.

The proposal should be three pages or less. It should identify the area of science being emphasized, the resident faculty who would be involved, and the special contributions that the proposed appointee(s) could make. In addition to the funds available in the chair, I will consider requests for up to \$10,000 in special funding, for example for a conference associated with the visiting professorship.

James N. Galloway

Professor and Chair

Environmental Sciences Department

University of Virginia Colleagues, please note the following. Note also the July 15 deadline. Jim

June 23, 2000

To: Chairs, Science Departments

From: Melvyn P. Leffler, Dean

From: Sent: Subject:

Jerry Potter <gpotter@llnl.gov> Tuesday, March 06, 2001 2:56 PM

AGU Special session on climate model diagnosis

Dear Colleagues,

We would like to make you aware of the Climate Model Diagnosis (A09) special session at the spring AGU meeting in

Boston May 29-June 2, 2001.

Please give serious consideration to submitting relevant abstracts to the AGU. A09 Climate Model Diagnosis: Tools and Techniques

Assessing how well climate models perform and understanding their systematic errors have long been difficult problems in climate modeling. With increasing resolution and longer simulations, new problems and new opportunities have emerged. Software tools should allow remote data access and manipulation of large data sets for sophisticated diagnostics on high frequency three-dimensional data. Papers will be welcome that discuss new methods of accessing

and manipulating large data sets, creative techniques that reveal systematic errors in climate models, model intercomparison, and methods that suggest the causes of model errors.

Conveners:

Gerald L. Potter, Lawrence Livermore National Laboratory, Program for Climate Model Diagnosis and Intercomparison, PO Box 808, MS L-264, Livermore, CA 94550 USA,

Tel: +1-925-422-1822, Fax: +1-925-422-7675,

E-mail: [gpotter@llnl.gov](mailto:gpotter@llnl.gov);

James J. Hack, National Center for Atmospheric Research,

PO Box 3000, Boulder, CO 80307-3000 USA, Tel: +1-303-497-1387, Fax: +1-303-497-1324, E-mail: [hack@cgd.ucar.edu](mailto:hack@cgd.ucar.edu)

Abstracts submitted electronically via the Web site (<http://www.agu.org>) must be received at AGU by 1400 UTE, March

8, 2001. Abstracts submitted by postal/express mail must be received at AGU Headquarters by close of business, March

1, 2001. For instructions on how to format and submit your abstract by mail, please contact the meetings department at [meetinginfo@agu.org](mailto:meetinginfo@agu.org) or call +1-202-777-7334.

Gerald L. Potter

Program for Climate Model Diagnosis and Intercomparison I-264

Lawrence Livermore National Laboratory Livermore, CA 94550

Phone(925)422-1832

Fax (925) 422-7675

From: Sent: To:

Subject:

David Randall <randall@redfish.atmos.colostate.edu>

Friday, December 08, 2000 10:17 AM

latif@dkrz.de; randall@redfish.atmos.colostate.edu;jhack@ncar.ucar.edu;

bonan@ucar.edu; mann@virginia.edu; Francis Zwiers; N.Nicholls@bom.gov.au

Re: editor count

> From: Cindy Carrick <cindy@bart.atmos.colostate.edu>

> Date: 2000-12-07 11:11:00 -0700

>To: randall@redfish.atmos.colostate.edu

>Subject: editor count

> Cc:cindy@atmos.colostate.edu

>Reply-To:cindy@atmos.colostate.edu

> Message-Id:<200012071806.LAA01714@bart.atmos.colostate.edu>

> X-Mailer: by Apple MailViewer ( 2.106)

> X-Mailer-Extensions: SWSignature 1.2

>

> bonan

>hack

> Iatif

>nicholls

> randall

> z wiers

>mann 13

>

>pending

>

>TOTAL

>

30

54

61

59

76

60

2

355

>at this rate, we'll probably match last year's submission total of 385.

>

> ..

>\*\*\*\*\*



>Cindy Carrick,Assistant to the Chief Editor,Journal of Climate  
>Colorado State University,Department of Atmospheric Science Fort  
>Collins,CO 80523-1371 USA  
> 970-491-8407 (Phone),970-491-8693 or 8428 (Fax)  
> cindy@atmos.colostate.edu

>  
>Journal of Climate Web Page:  
> <http://kiwi.atmos.colostate.edu/JofC/JofC.html>

>  
>  
>"Nothing will come of nothing. Dare mighty things."  
>William Shakespeare

>\*\*\*\*\*  
>  
>

David Randall  
Department of Atmospheric Science  
Colorado State University  
Fort Collins,Colorado 80523

tel970-491-8474 fax 970-491-8428

email [randall@redfish.atmos.colostate.edu](mailto:randall@redfish.atmos.colostate.edu) <http://kiwi.atmos.colostate.edu/BUGS/>  
<http://kiwi.atmos.colostate.edu/group/dave/dave.html>

From: Sent To:

Subject:

this is as of august 1.

David Randall <randall@bluefish.atmos.colostate.edu> Saturday, August 12, 2000 7:55 PM  
latif@dkrz.de;randall@redfish.atmos.colostate.edu;jhack@ncar.ucar.edu; bonan@ucar.edu;  
mann@virginia.edu; Francis Zwiers; N.Nicholls@bom.gov.au Re: editor count

> From:Cindy Carrick <cindy@bart.atmos.colostate.edu>  
> Date: 2000-08-12 14:58:45 -0600  
> To: randall@redfish.atmos.colostate.edu  
> Subject:editor count  
> Cc:cindy@atmos.colostate.edu  
> Reply-To: cindy@atmos.colostate.edu  
> Message-Id: <200008122048.0AA11344@bart.atmos.colostate.edu>  
> X-Mailer: by Apple MailViewer (2.106)  
> X-Mailer-Extensions: SWSignature 1.2  
>  
> bonan           20  
>hack   34  
> Iatif   41  
>nicholls       38  
>randall       46  
> zwiers       41  
>mann   7  
>  
>total   227

>

>that's roughly 31 manuscripts per month. one per each calendar day.

> that's right on track with last year.

> we have received 34 letter submissions from the time it was

>implemented. 18 have been received in 2000.

>

David Randall

Department of Atmospheric Science

Colorado State University

Fort Collins, Colorado 80523

USA

tel 970 491-8474 fax 970 491-8428 <http://kiwi.atmos.colostate.edu/BUGS/>

<http://kiwi.atmos.colostate.edu/group/dave/dave.html>

From: Sent: To:

Subject:

> Bonan

>Hack  
>Latif  
> Nicholls  
> Randall  
> Zwiers  
> Mann  
>Pending  
>

David Randall <randall@bluefish.atmos.colostate.edu> Tuesday, May 09, 2000 6:59 PM

latif@dkrz.de; randall@redfish.atmos.colostate.edu;jhack@ncar.ucar.edu;

bonan@ucar.edu;mann@virginia.edu; TKARL@ncdc.noaa.gov; Francis Zwiers; N.Nicholls@bom.gov.au

Re: jclim editor counts

12

21

29

25

28

26

3

1(this is a letter in screening process)

>TOTAL 145

>

>we've received 4.25 months of submissions, which means we're

>averaging 34 submissions/month. at this rate,we'll total 408 at the

>end of 2000. last year we had 385.

>

David Randall

Department of Atmospheric Science

Colorado State University

Fort Collins, Colorado 80523

USA

tel 970 491-8474 fax 970 491-8428 <http://kiwi.atmos.colostate.edu/BUGS/>  
<http://kiwi.atmos.colostate.edu/group/dave/dave.html>

From: Sent: To:

Cc:

Subject:

David Randall <[randall@bluefish.atmos.colostate.edu](mailto:randall@bluefish.atmos.colostate.edu)> Saturday, December 11, 1999 4:42 PM

[latif@dkrz.de](mailto:latif@dkrz.de); [randall@redfish.atmos.colostate.edu](mailto:randall@redfish.atmos.colostate.edu); [jhack@ncar.ucar.edu](mailto:jhack@ncar.ucar.edu); [bonan@ucar.edu](mailto:bonan@ucar.edu);  
[TKARL@ncdc.noaa.gov](mailto:TKARL@ncdc.noaa.gov); Francis Zwiers; [N.Nicholls@bom.gov.au](mailto:N.Nicholls@bom.gov.au) [mann@virginia.edu](mailto:mann@virginia.edu)

Re:editor count

Here is the paper count for the year so far.

> Bonan

> Busalacchi

2

46

> Hack

> Karl

46

27

> Latif

32

> Nicholls

58

> Randall

73

> Zwiers

58

>

David Randall

Department of Atmospheric Science

Colorado State University

Fort Collins, Colorado 80523

USA

tel 970 491-8474 fax 970 491-8428 <http://kiwi.atmos.colostate.edu/BUGS.html>

From: owner-paleoclimate-list@lists.colorado.edu on behalf of Toni Caradonna

<toaca@giub.unibe.ch>

Sent: To: Subject:

Follow Up Flag: Flag Status:

Monday, October 22, 2001 10:34 AM Paleoclimate List

International NCCR Climate Summer School

Follow up

Flagged

Categories: Red Category

<x-html>

<!doctype html public "-//w3c//dtd html4.0 transitional//en"> <html> International NCCR Climate Summer School

<p>'Climate Variability, Predictability and Climate Risks'

<p>7 -14 September 2002

Grindelwald, Bernese Oberland, Swiss Alps  
The NCCR Climate te invites young scientists to join leading climate researchers in a scenic Swiss Alpine setting for keynote lectures, workshops and poster sessions on the occasion of the first NCCR Climate Summer School 2002.

Scope of the summer school

The topics covered at the NCCR Climate Summer School 2002 will include  
• Past climate variability and extreme events of the last 1000 years  
• Future climate: Predictability of extreme climate events and seasonal forecasts, numerical modeling, analysis and diagnosis  
• Impacts of climate change and extreme events on natural and socio-economic systems  
• Climate risk assessment and economic dimensions of climate change (e.g., Kyoto flexible mechanisms, Tradable Emission Permits, risk

hedging)

The Summer School covers a broad spectrum of climate research issues and fosters cross-disciplinary links. Each topic includes keynote plenary lectures and workshops with in-depth discussion in smaller groups, and an excursion will lead us to exciting research sites. All Summer School participants will present a poster of their research and have an opportunity for ample discussion.

Lecturers (preliminary list)

B. Ammann (Bern, CH), R. Bradley (Massachusetts, USA), D. Battisti (Washington, USA), H.C. Davies (Zurich, CH), C. Oeser (NCAR Boulder, USA), C. Field (Stanford, USA), J. Fuhrer (FAL Zurich, CH), D. Hartmann (Washington, USA), A. Haurie (Geneva, CH), J-C. Hourcade (Paris, F), T. Palmer (ECMWF, UK), Ch. Schaer, (Zurich, CH), T. Stocker (Bern, CH), H. Wanner (Bern, CH) and others.

The summer school is open to young researchers (PhD students and Post-Docs) worldwide. Participation will be limited to 70. A small number of grants will be available.

DEADLINE FOR APPLICATIONS: 15 DECEMBER 2001  
Successful applicants will be notified in January 2002.

On-line information, preliminary programme and application forms are available at [\[climate.unibe.ch\]\(http://www.nccr-climate.unibe.ch\)](http://www.nccr-</a></p></div><div data-bbox=)

NCCR Climate, University of Bern, Erlachstrasse 9a, CH-3012 Bern, Switzerland

Tel: +41316313145, Fax: +413163143 38, email: [nccr-climate@giub.unibe.ch](mailto:nccr-climate@giub.unibe.ch)

[nccr-climate@giub.unibe.ch](mailto:nccr-climate@giub.unibe.ch)

--

Toni Caradonna

NCCR Climate

Erlachstr. 9a Phone: +41316313146

CH-3013 Bern (Switzerland) [mailto: toca@giub.unibe.ch](mailto:toca@giub.unibe.ch)

</x-html>



From: Sent: To:

Subject:

Harvey Weiss <harvey.weiss@yale.edu> Tuesday, August 08, 2000 8:33 AM mann@virginia.edu

Fwd: Warning: could not send message for past 4 hours

>Date: Tue,8 Aug 2000 00:26:38 -0400 (EDT)

>From: Mail Delivery Subsystem

><MAILER-DAEMON@holocene.evsc.virginia.edu>

>To: harvey.weiss@yale.edu

>MMDF-Warning: Parse error in original version of preceding line at

>mail.virginia.edu

>Subject: Warning:could not send message for past 4 hours

>Auto-Submitted: auto-generated (warning-timeout)

>

> \*\*\*\*\*

> \*\* THIS IS A WARNING MESSAGE ONLY \*\*

> \*\* YOU DO NOT NEED TO RESEND YOUR MESSAGE \*\*

> \*\*\*\*\*

>

>The original message was received at Mon,7 Aug 2000 20:12:47 -0400

>{EDT) from chmlsOS.mediaone.net [24.147.1.143)

>

> -----The following addresses had transient non-fatal errors-----

><mann@holocene.evsc.virginia.edu>  
>  
> ----- Transcript of session follows-----  
>Warning: message still undelivered after 4 hours Will keep trying until  
>message is 5 days old  
>Reporting-MTA: dns; holocene.evsc.virginia.edu  
>Arrival-Date: Mon,7 Aug 2000 20:12:47 -0400 {EDT}  
>  
>Final-Recipient:RFC822;<mann@holocene.evsc.virginia.edu>  
>Action: delayed  
>Status: 4.0.0  
>Last-Attempt-Date: Tue,8 Aug 2000 00:26:38 -0400 {EDT}  
>Will-Retry-Until: Sat,12 Aug 2000 20:12:47 -0400 {EDT}  
>Return-Path: <harvey.weiss@yale.edu>  
>Received: from chmlsOS.mediaone.net (chmlsOS.mediaone.net [24.147.1.143])  
> by holocene.evsc.virginia.edu {8.9.3+Sun/8.9.1) with ESMTP id UAA01952  
> for <mann@holocene.evsc.virginia.edu>; Mon,7 Aug 2000 20:12:47  
>-0400  
{EDT)  
>Received: from y5g0y2 (h0080c84d5f4e.ne.mediaone.net (24.128.255.22])  
> by chmlsOS.rmediaone.net (8.8.7/8.8.7) with SMTP id UAA28861;  
> Mon,7 Aug 2000 20:13:35 -0400 (EDT)  
>Message-Id: <4.1.20000803153138.009739bO@Ieilan.rmail.yale.edu>  
>Message-Id: <4.1.20000803153138.009739bO@Ieilan.rmail.yale.edu>  
  
>Message-Id: <4.1.20000803153138.009739bO@Ielian.mail.yale.edu>  
>Message-Id: <4.1.20000803153138.009739bO@Ieilan.mail.yale.edu>  
>Message-Id: <4.1.20000803153138.009739b0@leilan.mail.yale.edu>  
>Message-Id: <4.1.20000803153138.009739bO@Ieilan.mail.yale.edu>  
>Message-Id: <4.1.20000803153138.009739b0@leilan.mail.yale.edu>

>X-Sender: leilan@leilan.mail.yale.edu

>X-Mailer: QUALCOMM Windows Eudora Pro Version 4.1

>Date: Mon, 07 Aug 2000 20:08:16 -0400

>To: "HENSchumm@aol.com" <HENSchumm@aol.com>,

> "cweiskel@uism.bu.edu" <cweiskel@uism.bu.edu>, Tim@EcoEthics.Net,  
> uk2@pantheon.yale.edu, Wendyfoxmy@aol.com, wetterst@fas.harvard.edu,  
> Eaclement@aol.com, uk2@pantheon.yale.edu, richard.burger@yale.edu,  
> mdickson@genuity.com, lucinda.mcweeney@yale.edu,  
> sharon <sharon.rodriquez@yale.edu>, francus@geo.umass.edu,  
> bayside53@aol.com, ristvet@chmls05.mediaone.net,  
> clingman@english.umass.edu, pstaiti@mtholyoke.edu, MarilynMcA@aol.com,  
> rbradley@eclogite.geo.umass.edu,  
> "dincauze@anthro.umass.edu" <dincauze@anthro.umass.edu>,  
> besonen@geo.umass.edu, "mabbott@geo.umass.edu"

<mabbott@geo.umass.edu>,

> "mhughes@ltrr.arizona.edu" <mhughes@ltrr.arizona.edu>,  
> perren@chmlsOS.mediaone.net, land@geo.umass.edu,  
> tmccllell@bangornews.infi.net, wilcox@umpress.umass.edu,  
> dbattagl@mtholyoke.edu, dkatzner@econs.umass.edu,  
> cullen@ldeo.columbia.edu, burt@english.umass.edu, ge7@is8.nyu.edu,  
> tsegar@marlboro.edu, cosman@marlboro.edu, dpowicki@oit.umass.edu,  
> diratner@amherst.edu, mann@holocene.evsc.virginia.edu,  
> barkley@javanet.com

>From: Harvey Weiss <harvey.weiss@yale.edu>

>Subject: The BBQ

>Mime-Version: 1.0

>Content-Type: text/plain; charset="us-ascii"

>

> It's Sunday, August 13,

> from 3.30 p.m.





<4.1.20000803153138.009739bO@leilan.mail.yale.edu>

>Message-Id:

<4.1.20000803153138.009739b0@leilan.mail.yale.edu>

>Message-Id:

<4.1.20000803153138.009739b0@leilan.mail.yale.edu>

>Message-Id:

<4.1.20000803153138.009739bO@leilan.mail.yale.edu>

>X-Sender: leilan@leilan.mail.yale.edu

>X-Mailer: QUALCOMM Windows Eudora Pro Version 4.1

>Date: Mon, 07 Aug 2000 20:08:16 -0400

>To: "HENSchumm@aol.com"; HENSchumm@aol.com;

>;

> cweiskel@uism.bu.edu; cweiskel@uism.bu.edu; Tim@EcoEthics.Net;

>;

> uk2@pantheon.yale.edu, Wendyfoxmy@aol.com, wetterst@fas.harvard.edu;

>; Eaclement@aol.com, uk2@pantheon.yale.edu,

> richard.burger@yale.edu;

> mdickson@genuity.com, lucinda.mcweeney@yale.edu;

> sharon

> &lt;sharon.rodriguez@yale.edu>; francus@geo.umass.edu;

>; bayside53@aol.com,

> ristvet@chmlsOS.mediaone.net;

>;

> clingman@english.umass.edu, pstaiti@mtholyoke.edu, MarilynMcA@aol.com;

>;

> rbradley@eclogite.geo.umass.edu;

>;

> "dincauze@anthro.umass.edu";

> &lt;dincauze@anthro.umass.edu>;

>;

> besonen@geo.umass.edu, "mabbott@geo.umass.edu"; mabbott@geo.umass.edu;







June 23, 2000

To: Chairs, Science Departments

From: Melvyn P. Leffler, Dean

Subject: Talbot Visiting Professorship

The Talbot Visiting Professorship is a rotating Chair with a \$50,000 base salary and \$20,000 salary increment. It has been assigned to Arts & Sciences for 2001-2002. Normally the chair is intended to fund a one year appointment, but in special circumstances it could fund a one semester term. I would like to use the Talbot Chair to support interdisciplinary initiatives in the sciences. It might, for example, be linked to the exploration of the proposal of a theory institute.

The concept of visiting professorship has been advanced as a general mechanism for enhancing science visibility. In any case, the Talbot Visiting Professorship should foster interdisciplinary cooperation.

By July 15, 2000, I would like proposals endorsed by one or more science chairs which identify particular areas for the appointment and suggests up to three potential appointees. I encourage you to make informal inquiries as to the availability of potential candidates. Based on these proposals, and with appropriate advice from a committee I will appoint, I will authorize by September 15, 2000, formal negotiation with a specific individual. The goal would be to

·finalize an appointment by the end of the Fall semester.

The proposal should be three pages or less. It should identify the area of science being emphasized, the resident faculty who would be involved, and the special contributions that the proposed appointee(s) could make. In addition to the funds available in the chair, I will consider requests for up to \$10,000 in special funding, for example for a conference associated with the visiting professorship.

James N. Galloway

Professor and Chair

Environmental Sciences Department

University of Virginia Colleagues, please note the following. Note also the July 15 deadline. Jim

June 23, 2000

To: Chairs, Science Departments

From: Melvyn P. Leffler, Dean

From: Sent: To: Subject:

Michael E. Mann <mann@holocene.evsc.virginia.edu> Friday, June 09, 2000 3:36 PM

Mike Mann

Re: news story at Science- AMO.rk

>X-Mailer: Novell GroupWise Internet Agent 5.5.2.1

>Date: Fri, 09 Jun 2000 12:44:27 -0400

>From: "Richard Kerr" <rkerr@aaas.org>

>To: <mann@multiproxy.evsc.virginia.edu>

>Subject: Re: news story at Science- AMO.rk

>X-MIME-Autoconverted: from quoted-printable to 8bit by multiproxy.evsc.Virginia.EDU id MAA20866

>

>Mike,

>

>Nope, we still can't run it big enough. Seems Hughes is on sabbatical

>at

UMass but spending most of his time at Harvard Forest, where is is lunch time. I'm persuing him,but if you had something else, at hi res,I'm open to other possibilites.

>

>Dick

>

>Richard A. Kerr

>Senior Writer, Science

>phone 202 326-6587

>fax 202 371-9227

>rkerr@aaas.org

>1200 New York Avenue, N.W.

>Washington, DC 20005

>

>

>

Professor Michael E. Mann

Department of Environmental Sciences, Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail: mann@virginia.edu Phone:{804} 924-7770 FAX:{804} 982-2137 <http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To:

Cc:

Subject:

Neal Grandy <nrg2p@virginia.edu> Wednesday, May 29, 2002 2:53 PM Phyllis Norton

Mike Mann; Peggy Candler

Re: Fwd: Re: sub-contract

<x-flowed> Phyllis,

Subcontract documents from Arizona for Michael Mann, on the project entitled "Global Multidecadal-to-Century-Scale

Oscillations During the Last

1000 Years," should be sent to:

Peggy Candler

University of Virginia

Office of Sponsored Programs

P.O. Box 400195

Charlottesville, VA 22904-4195

Tel:434-243-8976

Fax:434-982-3096

E-mail: pc3s@virginia.edu

Please let me know if you have any questions, or you can direct technical questions to Peggy. Neal

At 11:09 AM 5/29/2002 -0700, you wrote:

>Hi Michael:

>

>I just returned from Holiday...sorry for the delay.

>

>Yes of course,you can count on me processing the sub-contract this

>week through our contracting department. I should have a PO number to

>use against the sub-contract and charges by Friday, Monday at the

>Latest. I'll email that to you.

>

>What I need from you is:

>

>Address and contact person for the sub-contract.

>Phone numbers, etc.

>

>Thanks,

>Phil

>

>

>On 27 May 2002,at 10:27, Michael E.Mann wrote:

>

>Date sent:

>To:

Mon, 27 May 2002 10:27:16 -0400 pgress@ltrr.arizona.edu

>From: "Michael E.Mann" <mann@virginia.edu>

>Subject: Fwd:Re:sub-contract

>Copies to: Neal Grandy <nrg2p@virginia.edu>,

> Malcolm Hughes <mhughes@ltrr.arizona.edu>,

>Jeffrey.park@yale.edu

>

>>Dear Phyllis,

>>

>> I wanted to follow up on my earlier email to Malcolm (see below). We

>>would like to use the U.Va sub-contract for graduate student

>> research support this summer. If we can get some confirmation from

>>you that the money is working its way through the system, and to us,

>>we can set up a preliminary account to use in expectation of received funds.

>>

>>Jeffrey Park at Yale (whom I've cc'd in on this message) also had

>>some questions about his own sub-contract,

>>

>> Thanks in advance for getting back to us,

>>

>>Mike

>>

>>>From: Malcolm Hughes <mhughes@ltrr.arizona.edu>

>>>To: "Michael E. Mann" <mann@virginia.edu>

>>>Date: Tue, 7 May 2002 07:19:34-0700

>>>Subject: Re: sub-contract

>>>X-Confirm-Reading-To: "Malcolm Hughes" <mhughes@ltrr.arizona.edu>

>>>X-pmrqc: 1Priority: normal X-mailer: Pegasus Mail for Windows

>>>(v4.01 }

>>>

>>>Mike- I've forwarded your message to Phyllis Gress, our admin  
>>>person, and asked her to follow up on both subcontracts,yours and  
>>>Jeff's. Although we have had permission to spend since January 1,  
>>>the formal paperwork from NOAA only showed up in the last week or  
>>>ten days.This, apparently, is typical.

>>>Sorry about the radio silence over the weekend

>>>-I had a couple of minor crises going on.

>>>Anyway,I think the exchange of letters worked out OK.I have not  
>>>received any feedback, but I think we managed to raise some  
>>>important questions. The reader may find the comment about us  
>>>overemphasizing the latitudinal differences a bit odd, in the  
>>>context of their having made the point so strongly themselves. They  
>>>largely conceded the scaling point, at least as far as the  
>>>Briffa/Osborne version, and perhaps further. On RCS- we raised the  
>>>question, and their main response was the boot-strapping test and a  
>>>general assertion that some of the other reconstructions were as  
>>>weak as theirs in this respect. What they didn't answer was the  
>>>special vulnerability of RCS to small numbers.

>>>My guess is that some readers will pick up on this, but that others  
>>>will not.

>>>Now, onward and upward I Cheers,

>>>MalcolmMalcolm Hughes

>>>Professor of Dendrochronology

>>>Laboratory of Tree-Ring Research

>>>University of Arizona

>>>Tucson, AZ 85721

>>>520-621-6470

>>>fax 520-621-8229

>>

>>

>>

>>

>> Professor Michael E. Mann

>> Department of Environmental Sciences, Clark Hall

>> University of Virginia

>> Charlottesville, VA 22903

>>

>>\_ e-mail:mann@virginia.edu Phone: (434) 924-7770 FAX:(434)

>> 982-2137

>> <http://www.evsc.virginia.edu/faculty/people/mann.shtml>

>>

>>

>

>

>Phyllis Norton

>Administrative Associate

>Tree-Ring Lab

>The University of Arizona

>Tucson,Az 85721

>{520}621-2191

>(520)621-8229(fax)

Neal R. Grandy

Grants Administrator, Univ. of Virginia

Dept. of Environmental Sciences

291McCormick Rd., P.O. Box 400123

Charlottesville, VA 22904-4123



Tel: 434-924-1495 Fax: 434-982-2137

</x-flowed>

From: Sent: To: Cc:

Subject:

Michael E. Mann <mann@multiproxy.evsc.virginia.edu >

Thursday, July 26, 2001 11:50 AM Mike MacCracken

k.briffa@uea.ac.uk;pjones@uea.ac.uk;rbradley@geo.umass.edu;mann@virginia.edu

Re: Proposed Sessions for IUGG Sapporo, 2003

<x-flowed> Dear Mike,

Thanks--I think the timing would be good, w/ the next IPCC perhaps only beginning to gear up (depending on whether or not the FAR is even in '2005 which I guess hasn't yet been decided?).

I'd be happy to convene a session on the Holocene w/ any combination of the others (Phit Keith, Ray) you mentioned, but it might be worthwhile to consider having both a "Holocene A" and "Holocene B" session divided roughly into early/mid Holocene and late Holocene respectively. For the former, it might be useful to involve others like Jean Jouzel or Sandy Tudhope who are interested in things like the 8.2 and 4.2 kyr BP events and changes from early to mid- Holocene in ENSO variability, and can better address those themes, while others of us might be better suited to convening a "late Holocene" session that would revisit many of the issues that came up in the Charlottesville Workshop last spring (an Eos meeting report should be out at some point hopefully!). It might be useful to involve Jonathan Overpeck here as well, which would help coordinate (both in terms of scheduling, but also in terms of themes) what we're trying to accomplish w/ international PAGES/CLIVAR (Peck is the chair of this).

I'll be interested to hear what the others think too. Cheers,

mike

If we do go through w/ this session, it will be important for those of us

At 11:19 AM 7/26/01-0400, you wrote:

>Two more things--please suggest any possible other people who might be

>willing to serve as conveners.

>

>And, of course,I do need responses at this point by this Friday.

>

>Thanks, Mike

Professor Michael E. Mann

Department of Environmental Sciences, Clark Hall

University of Virginia

Charlottesville,VA 22903

e-mail: [mann@virginia.edu](mailto:mann@virginia.edu) Phone: (804) 924-7770 FAX: (804) 982-2137 <http://www.evsc.virginia.edu/faculty/people/mann.shtml>

</x-flowed>

From: Sent: To:

Cc:

Subject:

Mike MacCracken <mmaccrac@usgcrp.gov> Thursday, July 26, 2001 12:44 PM

Michael E. Mann; Mike MacCracken k.briffa@uea.ac.uk;pjones@uea.ac.uk;rbradley@geo.umass.edu; mann@virginia.edu

Re: Proposed Sessions for IUGG Sapporo, 2003

Good ideas, with one caveat. A problem we have had is that we tend to get sessions overlapping on topic, etc. and then on time--so what I was hoping was we could have one symposium on the Holocene and then the conveners can break up the days into early and late or whatever else makes sense--but if we get topics too fine-scale, then we get problems developing--some might not get papers, etc.-together, the effort can be coordinated better, it seems to me.

Mike

At 11:49 AM -0400 7/26/01, Michael E. Mann wrote:

>Dear Mike,

>

>Thanks- I think the timing would be good, w/ the next IPCC perhaps only

>beginning to gear up (depending on whether or not the FAR is even in

>'2005 which I guess hasn't yet been decided?).

>

>I'd be happy to convene a session on the Holocene w/ any combination of

>the others (Phil, Keith, Hay) you mentioned, but it might be worthwhile

>to consider having both a "Holocene A" and "Holocene B" session divided

>roughly into early/mid Holocene and late Holocene respectively. For

>the former, it might be useful to involve others like Jean Jouzel or

>Sandy Tudhope who are interested in things like the 8.2 and 4.2 kyr BP

>events and changes from early to mid-Holocene in ENSO variability, and  
>can better address those themes, while others of us might be better  
>suited to convening a "late Holocene" session that would revisit many  
>of the issues that came up in the Charlottesville Workshop last spring  
>(an Eos meeting report should be out at some point hopefully!). It  
>might be useful to involve Jonathan Overpeck here as well, which would  
>help coordinate (both in terms of scheduling, but also in terms of  
>themes) what we're trying to accomplish w/ international PAGES/CLIVAR (Peck is the chair of this).

>  
>I'll be interested to hear what the others think too.

>  
>Cheers,

>  
>mike

>  
>If we do go through w/ this session, it will be important for those of  
>us

>  
>At 11:19 AM 7/26/01-0400, you wrote:  
»Two more things-please suggest any possible other people who might be  
»willing to serve as conveners.

>>

>>And, of course, I do need responses at this point by this Friday.

>>  
» Thanks, Mike

>  
>

> Professor Michael E. Mann

> Department of Environmental Sciences, Clark Hall  
> University of Virginia  
> Charlottesville, VA 22903  
>

> e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.shtml>

From: Sent: To:

Subject:

Mike MacCracken <mmaccrac@usgcrp.gov> Thursday, July 26, 2001 11:16 AM

Phil Jones; Tom Wigley; Kendal McGuffie@uts.edu.au; Kendal McGuffie; Michael Mann;

Tom Crowley; Karl Taylor; Judith Lean; Ray Bradley; Andre Berger; Dick Peltier; Richard

Alley; Myles Allen; Simon Tett; David Karoly; Roger Pielke, Sr.; Alan Robock

Proposed Sessions for IUGG Sapporo, 2003

<x-rich>To all--The next IUGG meeting, which will include the participation of IAMAS, will be held in Sapporo, Japan, from 30 June to 11 July, 2003.

We are already in the process of suggesting symposia. One of the ones that the International Commission on Climate is

proposing to put forth is one that is thematically focused on the Holocene, but contains a number of individual

symposia. I have listed the present notional plan of what this might be (of course, over the next year or so there will be many iterations and efforts to adjust, combine with suggestions from other groups, etc.).

Of course, we also get to suggest changes--so what I would like to ask of each of you is to consider the attached preliminary draft proposal as a set of possibilities. I would be interested in your overall reaction, in possible interest in being a convener-co-convener (remembering that conveners get to really shape their symposium), any comments on suggested length of particular symposia, any topics about the Holocene issue not covered, etc.

A couple of background comments:

1. There are quite a host of other proposed sessions--the main other theme the International Commission on Climate will likely develop is one on Future Climate ( that tentatively is envisioned as having symposia on {I'll be getting out material on that soon):

Empirical and Model-Derived Estimates of Climate Sensitivity Projecting Changes in the Global Climate and its Variations Projecting Changes in Regional Climatic Conditions

The History of and Prospects for Nonlinearities, Thresholds, and Surprises

Other proposed symposia will have to do with volcanoes, monsoons, lots more--if you have interests in being involved in any of those, let me know and I will pass your name along.

2. While we all seem to be overtired from so many IPCC and other meetings this year and last, the IUGG meeting is two years out and it is likely IPCC will be pretty quiescent over this period, so this meeting might really be a good time to have a meeting on some of the key issues that have come up in recent years and that we really do need to look at.

Thanks in advance for any comments, suggestions, etc.--if you do mark up the file, please make sure to rename it with your initials so I can keep suggestions straight.

Mike

</x-rich>

Attachment Converted: "C:\WINDOWS\DESKTOP\Attach\Holocene\_Ciimate-MCM072601.doc"

<x-rich>MichaelC. MacCracken, Ph.D.

Office of the U.S. Global Change Research Program

Suite 750

400 Virginia Avenue

Washington DC 20024

Tel (personal):(202) 314-2233

Tel (USGCRP Office):(202) 488-8630

Fax: (202) 488-8681 or {202) 488-8678

E-mail: [mmaccrac@usgcrp.gov](mailto:mmaccrac@usgcrp.gov)

National Assessment Home Page: <http://www.nacc.usgcrp.gov/>



</x-rich>

From: Sent: To:

Subject:

Tim Osborn <tosborn@holocene.evsc.virginia.edu> Wednesday, October 18, 2000 11:26 AM  
mann@multiproxy.evsc.virginia.edu

Re: MULTIPROXY directories

>They should all be changed to read for all. Let me know if you continue  
>to have any problems, and I can ask Scott to try to figure out the problem.

Still having problems, Mike. I think that the directories (not the files) need execute permission for all so that I  
can get into them ('cd directoryname'

needs execute permission on the directory to work). Cheers

Tim

From: Sent: To: Subject:

PMDF e-Mail nterconnect <Postmaster@mailhost.gkss.de> Thursday, October 12, 2000 10:20 AM  
mann@multiproxy.evsc.virginia.edu; Postmaster@mailhost.gkss.de

Delivery Notification: Delivery has failed

Content-type: text/plain;charset=us-ascii

Content-language: EN-US

This report relates to a message you sent with the following header fields:

Message-id:<3.0.6.32.20001012102755.00b14d20@multiproxy.evsc.virginia.edu> Date: Thu, 12 Oct 2000  
10:27:55 -0400

From: "Michael E. Mann" <mann@multiproxy.evsc.virginia.edu>

To: Nanne Weber <weber@knmi.nl>, Hans.von.Storch@gkss.de, wanner@giub.unibe.ch,  
Oyvind.Nordli@dnmi.no, j.jones@gkss.de, weber@knmi.nl

Subject: Re: tentative list of invitees to Charlottesville meeting

Your message cannot be delivered to the following recipients: Recipient address: j.jones@pasun1.gkss.de

Original address: j.jones@gkss.de

Reason:Remote SMTP server has rejected address

Diagnostic code: smtp;550 <j.jones@pasun1.gkss.de>...User unknown

Remote system: dns;pasun1.gkss.de (TCP 1141.4.4.17123561141.4.7.1125) (pasun1.gkss.de ESMTP Sendmail  
8.8.8+Sun/8.8.8;Thu,12 Oct 2000 16:19:50 +0200 [MET DST])

Original-envelope-id: 01JV98620JTUCKOT33@GKSS.de

Reporting-MTA: dns;GKSS.de

Action: failed

Status: 5.0.0 (R emote SMTP server has rejected address) Original-recipient: rfc822;j.jones@gkss.de

Final-recipient: rfc822;j.jones@pasunl.gkss.de

Remote-MTA:dns;pasunl.gkss.de (TCP 1141.4.4.17123561141.4.7.1125) (pasunl.gkss.de ESMTP Sendmail 8.8.8+Sun/8.8.8; Thu,12 Oct 2000 16:19:50

+0200 [MET DST])

Diagnostic-code: smtp;SSO <j.jones@pasun1.gkss.de>... User unknown

Return-path:<mann@multiproxy.evsc.virginia.edu>

Received: from pasunl.gkss.de by GKSS.de (PMDF VS.2-33 #40857) id <01JV9863DNZMCKORXO@GKSS.de> (original mail from mann@multiproxy.evsc.virginia.edu);Thu,

12 Oct 2000 16:19:40 MET-DST

Received: from CONVERSION-DAEMON by GKSS.de (PMDF V5.2-33 #40857) id <01JV9862L1M8CKOT33@GKSS.de> for j.jones@pasunl.gkss.de (ORCPT rfc822;j.jones@gkss.de);Thu,12 Oct 200016:19:39 MET-DST

Received: from mail.virginia.edu (mail.virginia.EDU [128.143.2.9]) by GKSS.de (PMDF V5.2-33 #40857) with SMTP id

<01JV9861KC82CKORRA@GKSS.de> for j.jones@pasun1.gkss.de (ORCPT rfc822;j.jones@gkss.de);Thu,

12 Oct 2000 16:19:39 +0200 (MET-DST}

Received: from fsrv.clas.virginia.edu by mail.virginia.edu id aa13188;Thu,

12 Oct 2000 10:19-0400 (EDT)

From: Sent: To:

Subject:

PMDF e-Mail Interconnect <Postmaster@mailhost.gkss.de> Tuesday, October 03, 2000 9:24 AM  
mann@multiproxy.evsc.virginia.edu; Postmaster@mailhost.gkss.de

Delivery Notification: Delivery has failed

Content-type: text/plain; charset=us-ascii

Content-language: EN-US

This report relates to a message you sent with the following header fields: Message-id : <3.0.6.32.20001003093049.00acb780@multiproxy.evsc.virginia.edu>

Date: Tue,03 Oct 2000 09:30:49 -0400

From:"Michael E. Mann" <mann@multiproxy.evsc.virginia.edu>

To:Nanne Weber <weber@knmi.nl>, Hans.von.Storch@gkss.de, wanner@giub.unibe.ch, Oyvind.Nordli@dnmi.no, j.jones@gkss.de, weber@knmi.nl

Subject: Re: tentative list of invitees to Charlottesville meeting

Your message cannot be delivered to the following recipients: Recipient address: j.jones@pasun1.gkss.de

Original address: j.jones@gkss.de

Reason: Remote SMTP server has rejected address

Diagnostic code: smtp;550 <j.jones@pasun1.gkss.de>... User unknown

Remote system: dns;pasun1.gkss.de (TCP1141.4.4.1814952 1 141.4.7.1125) (pasun1.gkss.de ESMTP Sendmail 8.8.8+Sun/8.8.8; Tue,3 Oct 2000 15:23:54 +0200 [MET DST])

Original-envelope-id:01JUWLKRKJ36CKOH2H@GKSS.de

Reporting-MTA: dns;GKSS.de

Action: failed

Status: 5.0.0 (Remote SMTP server has rejected address) Original-recipient:rfc822;j.jones@gkss.de

Final-recipient: rfc822;j.jones@pasun1.gkss.de

Remote-MTA: dns;pasun1.gkss.de (TCP 1141.4.4.18149521141.4.7.1125)

(pasun1.gkss.de ESMTP Sendmail 8.8.8+Sun/8.8.8; Tue,3 Oct 2000 15:23:54 +0200 [MET DST]) Diagnostic-code: smtp;S50 <j.jones@pasun1.gkss.de>...User unknown

Return-path: <mann@multiproxy.evsc.virginia.edu>

Received: from pasun1.gkss.de by GKSS.de (PMDf V5.2-33 #40858) id <01JUWLKSNJ6CL93UZ@GKSS.de> (original mail from mann@multiproxy.evsc.virginia.edu);Tue,

3 Oct 2000 15:23:51MET-DST

Received:from CONVERSION-DAEMON by GKSS.de (PMDF V5.2-33 #40857) id  
<01JUWLKRGSEOCKOH2H@GKSS.de> for j.jones@pasun1.gkss.de (ORCPT rfc822;j.jones@gkss.de);  
Tue,3 Oct 2000 15:23:49 MET-DST

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Evidence for stabilizing selection in a eukaryotic enhancer element MICHAEL Z. LUDWIG, CASEY BERGMAN, NIPAM H. PATEL & MARTIN KREITMAN [http://www.nature.com/server-java/Propub/nature/403564AO.abs\\_frameset](http://www.nature.com/server-java/Propub/nature/403564AO.abs_frameset)

Structure of human guanylate-binding protein 1 representing a unique class of GTP-binding proteins BALAJI PRAKASH, GERRIT J. K. PRAEFCKE, LOUIS RENAULT, ALFRED WITTINGHOFER & CHRISTIAN HERRMANN [http://www.nature.com/server-java/Propub/nature/403567AO.abs\\_frameset](http://www.nature.com/server-java/Propub/nature/403567AO.abs_frameset)

Alternative modular polyketide synthase expression controls macrolactone structure YONGQUAN XUE AND DAVID H. SHERMAN [http://www.nature.com/server-java/Propub/nature/403571AO.abs\\_frameset](http://www.nature.com/server-java/Propub/nature/403571AO.abs_frameset)

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reply: Mitochondria and the death of oocytes DAVID C. KRAKAUER AND ALEX MIRA

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*&quot;l think the next century will be the century of complexity.&quot;*Stephen Hawking  
**1. An Artificial Immune System May Help Identify Internet Fraud**,  
**2. What's Love Got To Do With It?**,  
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**Physical Review E**

**1. An Artificial Immune System May Help Identify Internet Fraud**,  
**New Scientist**  
The recent hacker attack of Microsoft's computer network demonstrates once again an ancient offensive principle of warfare in a general sense:

Fool the defense by pretending to be a friend! In the MS attack the hacker managed to penetrate the companies firewall by pretending to be an employee. Once having gained access to the system the intruder got detected because of behavioral patterns that were significantly different from the legitimate user (s)he pretended to be.

In a sense that is similar to the biological immune system that has to discriminate self from non-self in the cells that have gained access to an organisms internal system. The idea to learn from a biological immune system and apply the principle to computer systems is compelling:

&quot;The system relies on thousands of randomly generated &quot;detectors&quot;. Each of these little computer programs recognises a specific kind of transaction. The detectors travel around computers and networks looking for rogue invaders,just as white blood cells do in our bodies. <br> <br>

But before they are let loose,the researchers challenge them with all kinds of legitimate online deals.<br> <br>

&quot;We get rid of anything that detects 'self' by matching the random detectors against 'natural' or 'good' transactions,&quot;says Rci hard Overill of King's College London&quot;<a href="http://www.newscientist.com/dailynews/news.jsp?id=ns999993">(1)</a>

This idea is not new in the complexity community: Stephanie Forrest of UNM and SFI has been working on this issue for a number of years:

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&quot;Natural immune systems protect animals from dangerous foreign pathogens, including bacteria,viruses, parasites, and toxins. Their role in the body is analogous to that of computer security systems in computing. Although there are many differences between living organisms and computer systems, we believe that the similarities are compelling and could point the way to improved computer security. Four examples of how we are applying ideas from immunology to today's computer security problems are a host based intrusion-detection method,a network based intrusion-detection system, a distributable change-detection algorithm, and a method for intentionally introducing diversity to reduce vulnerability. The analogy with immunology cont ributes an important point of view about how to achieve computer security, one that can potentially lead to systems built with quite different sets of assumptions, biases, and organizing principles than in the past.&quot;<a href="http://www.cs.unm.edu/-immsec/">(2.1)</a>

Just as we don't have a reliable medicine against the common cold we cannot expect that computer immune systems will provide us with a perfect protection against hackers. For instance one might speculate that some hackers will take on the behavioral patterns of anti-virus software that is increasingly integrated into the Internet. Regular backups therefore will continue to be a good idea to protect one's system.

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<li><a href="http://www.newscientist.com/dailynews/news.jsp?id=ns999993">An Artificial Immune System May Help Identify Internet Fraud</a>,Joanna Marchant,New Scientist Online News, 10/24/00</font> <font size=2> <li>See also:</font> <ol><font size=2> <li><a href="http://www.cs.unm.edu/-immsec/">Computer Immune Systems</a>, University of New Mexico</font> <font size=2> <li><a href="http://www.santafe.edu/sfi/publications/Bulletins/bulletinSpringOO/features/forrest.html">Stephanie

</a>Forrest<a

href="http://www.santafe.edu/sfi/publications/Bulletins/bulletinSpringOO/features/forrest.html">

Bushwhacking Through the Computer Ecosystem</a>,SFI Bulletin,Spring 2000</font> </ol> </ol><br> <br> &nbsp;<br>

<a name="2"></a><br> 2. What's Love Got To Do With It?,New Scientist <dl> <dd>&quot;Mathematicians have been puzzling over the business of pairing up for nearly forty years.They claim it helps for understanding physics, economics and even the future of robot technologies. And thanks to all these efforts,there are now a

few simple rules which could help us all get some sweet Iovin' tonight. Follow these and everyone you know-- including your very loveable self--could soon be lucky in love.&quot;<a

href="http://www.unifr.ch/econophysics/articoli/newscientist.html">(1)</a> <br> <br>

&quot;Each computer-generated person in the model was given an intrinsic beauty, and a weighting factor U was introduced which determined how much influence beauty had on society.<br> <br>

When U equalled zero, as in the 1960 test, all 1,000 people in the test found a partner ranked at 70 or better in their list of preferences.<br> <br>

But when U was even slightly greater than zero, the best-looking people rose to the top of everyone's wish list. In this case, even an averagely attractive person might have to make do with someone they judge no more than 900th on the beauty list. &quot;<a

href="http://news.bbc.co.uk/low/english/sci/tech/newsid\_992000/992304.stm">(2)</a><br>

<br>

&quot;The stable marriage problem has been introduced in order to describe a complex system where individuals attempt to optimise their own satisfaction, subject to mutually conflicting constraints. Due to the potential large

applicability of such model to describe all the situation where different objects has to be matched pairwise, the statistical properties of this model have been extensively studied. In this paper we present a generalization of this

model, introduced in order to take into account the presence of correlations in the lists and the effects of distance when

the player are supposed to be represented by a position in space.&quot;<a href="http://xxx.lanl.gov/abs/cond-mat/0008337">(3)</a>

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<li><a href="http://www.unifr.ch/econophysics/articolifnewscientist.html">What's Love Got To Do With It?</a>, M. Brooks,<a href="http://www.unifr.ch/econophysics/">Econophysics</a>,<a href="http://www.newscientist.com/">New Scientist magazine</a>,10/28/00 <li><a

href="http://news.bbc.co.uk/low/english/sci/tech/newsid\_992000/992304.stm">Beautiful People 'Ruin' Lives</a>, BBC News Online,10/26/00 <li><a href="http://xxx.lanl.gov/abs/cond-mat/0008337">Beauty And Distance In The Stable Marriage Problem</a>,G. Caldarelli,A. Capocci, arXiv cond-mat/0008337,8/23/00</font> </ol>&nbsp;<br> <a name="3"></a><br> 3.Regenerating The Damaged Central

Nervous System, Nature <dl> <dd>Almost a hundred years ago there have been reports about healing of injuries to the human central nervous system (CNS) under specific conditions. It seems that these conditions are



so sensitive that the experts have given up to try to reproduce these results for decades. It is conceivable that the "hard science" attitude in medicine put too much focus on analyzing the neuronal system and producing reproducible results so that the complex conditions for the environment of the neurons could not be exactly prepared for a successful regeneration of CNS neurons. Only today it seems that researchers have a better grasp on the conditions that make neurons either grow or degenerate. Horner and Gage describe the intricate factors that all have to be in place for neurons not only to grow but also to make the right connections in the way that that the resulting network actually "works". From their description one can become optimistic that within a span of ten years for instance spinal injuries can be treated to a degree of functional rehabilitation.

Abstract: It is self-evident that the adult mammalian brain and spinal cord do not regenerate after injury, but recent discoveries have forced a reconsideration of this accepted principle. Advances in our understanding of how the brain develops have provided a rough blueprint for how we may bring about regeneration in the damaged brain. Studies in developmental neurobiology, intracellular signaling and neuro-immunology are bringing the regeneration field closer to success. Notwithstanding these advances, clear and indisputable evidence for adult functional regeneration remains to

be shown.

[Regenerating The Damaged Central](http://www.nature.com/nlink/v407/n6807/abs/407963aO_fs.html)

Nervous System, P J Horner, F H Gage, Nature, Vol407 No. 6807,10/26/00

4. Integrating Complexity Theory, Knowledge Management And Organizational Learning, J. Knowledge

Management

Excerpts: "Knowledge management is all about getting the right information to the right people at the right time. Practicing knowledge management has therefore been mostly about information indexing, storage and retrieval. Which means it should come as no surprise to anyone that the conventional practice of KM has been utterly technology- centric. If KM is all about delivering information to people on a timely basis, what better way to do so than to arm them with technology and the data du jour of their choosing?" (2)

"Chronicles the unfolding convergence of thinking and practice behind knowledge management, organizational learning and complexity theory. Of particular interest are the roles that knowledge management and complexity theory play in this impending consilience of ideas. On the one hand, knowledge management is anxious to

rid itself of its overly technology-centric reputation in favor of promoting the role it can play in furthering organizational

learning. On the other, complexity theory, a confident solution in search of unorthodox problems, has discovered its own true place in the world, an explanation for the means by which living systems engage in adaptive learning - the seminal source of social cognition in living systems. (...)

<dd>In a sense, complex systems innovate by producing spontaneous, systemic bouts of novelty out of which new patterns of behavior emerge. Patterns which enhance a system's ability to adapt successfully to its environment are stabilized and repeated; those that do not are rejected in favor of radically new ones, almost as if a cosmic game of trial- and-error were being played. Complexity is, therefore, in part, the study of pervasive innovation in the universe. (&#x26;#x2013;)<br> <br>

<dd>Complexity theory is nothing if not systems thinking in practice. Its insights into the nature of knowledge in living systems, in particular, are germane to the fields of KM and OL. Not surprisingly, then, tell-tale signs of complexity theory are beginning to appear in both disciplines. &quot;<a href="http://www.macroinnovation.com/images/IntegratingComplexity.pdf">(1)</a>

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<li><a href="http://www.macroinnovation.com/images/IntegratingComplexity.pdf">Integrating Complexity Theory, Knowledge Management And Organizational Learning</a>, Mark W. Mcelroy, Journal Of Knowledge Management,

2000; Vol4; Part 3, P. 195-203</font> <font size=2> <li><a

href="http://www.macroinnovation.com/images/mgmt.pdf">The New Knowledge Management</a>, Mark W. Mcelroy, Knowledge & Innovation, 10/15/2000</font> </ol>&nbsp;<br> <a name="S"></a><br> 5. Birds Sing In Their Sleep, Study Finds, CNN <dl> <dd>The importance of sleeping and dreaming for memory formation has been supported by evidence from different areas. Now it seems that during sleep birds dream about sound patterns that are quite similar to the songs they have to learn. This is strikingly similar to the <a href="http://www.comdig.org/ComDig00/ComDig00-40/index.html#12">report</a> that people who try to learn Tetris (a computer game) dream about visual patterns that are similar to what they see when they play Tetris. It might be interesting to see if there is physiological evidence that during the dream state the birds &quot;forget&quot; or

&quot;unlearn&quot; all the irrelevant sounds they hear during the day in order to be able to focus on the sounds they need to remember <a href="http://www.comdig.org/ComDig00/ComDig00-10/index.html#3">(see <a href="http://www.comdig.org/ComDig00/ComDig00-10/index.html#3">. <br> <br>

<dd>The songs sung by birds are learned and can be quite complicated. How do birds learn to produce consistent rhythmic patterns of sounds and to distinguish their own song from those of other birds of the same species and of different species? Dave et al. (p. <a href="http://www.sciencemag.org/cgi/content/short/290/5492/812">812</a>) have succeeded in monitoring neuronal activity in the sensory-motor center (robustus archistriatalis) of zebra finches while the birds were singing and while they were asleep. Single unit recording revealed a remarkably similar pattern of action potentials when the bird was hearing its own song played back (auditory response) and when the bird actually sang (premotor activity). The temporal match suggests that these birds have implemented a mechanism for reinforcement learning with delayed reward and, in fact, may be rehearsing their songs in an &quot;off-line&quot; mode in order to become pitch-perfect. <a href="http://www.sciencemag.org/content/vo1290/issue5492/twis.shtml#290/5492/669k">(2)</a>

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<li><a href="http://www.cnn.com/2000/NATURE/10/26/science.birds.reut/">Birds Sing In Their Sleep, Study Finds</a>, CNN Online, 10/26/00</font> <font size=2> <li><a href="http://www.sciencemag.org/contentjvol290/issue5492/twis.shtml#290/5492/669k">Learning While Sleeping</a>, This Week In Science, 10/27/00</font> <font size=2> <li><a href="http://www.sciencemag.org/cgi/content/short/290/5492/812">Song Replay During Sleep And Computational Rules For </a>Sensorimotor<a href="http://www.sciencemag.org/cgi/content/short/290/5492/812"> Vocal Learning</a>, Amish S. Dave, Daniel Margoliash, Science, Volume 290, Number 5492, 10/27/00, Pp. 812-816</font>

<font size=2> <li>See also:

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<li><a href="http://www.comdig.org/ComDigOO/ComDig00-10/index.html#3">Bio-Chemistry Of Learning and Unlearning</a>, PNAS, Complexity Digest 2000.10.3</font> <font size=2> <li><a href="http://www.comdig.org/ComDigOO/ComDig00-40/index.html#12">Video Game Images Persist Despite

Amnesia</a>, Science, Complexity Digest 2000.40.12</font> </ol> </ol><br> <br> <font size=2>&nbsp;<br> <br>

</font>6. Dynamics Of Temporal Learning Rules, Physical Review E <dl>

<dd>&nbsp;<br>Abstract: The changes of synaptic strength are analyzed on two time scales: the fast local field dynamics, and the slow synaptic modification dynamics. The fast dynamics are determined by the synaptic strengths and background noise in the system. The slow dynamics are determined by the functional form of a temporal learning rule. Temporal learning rules are defined to be functions yielding state dependent changes in synaptic strengths depending on the timing of pre- and postsynaptic states in the network. The evolution of local field dynamics that result from various learning rules are analyzed for a stochastic, discrete time neural model with no relative refractory period that

receives a series of delayed adaptive inputs. A fixed point is found in the learning dynamics, and conditions for two types of instabilities are analyzed. Four universality classes of dynamics are found that are independent of the details of the temporal learning rules. Examples are given of biological systems in which these temporal learning rules have been identified, and their functional consequences are discussed.

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<li><a href="http://publish.aps.org/abstract/PRE/v62/p4077">Dynamics Of Temporal Learning Rules</a>, Patrick D. Roberts, Physical Review E, Volume 62, Issue 3, 9/00, Pp. 4077-4082</font> </ul><font size=2>&nbsp;<br> <a name="7"></a><br> 7. Auditory Neuroscience: Development, Transduction, And Integration, PNAS <dl>

<dd>Abstract: Hearing underlies our ability to locate sound sources in the environment, our appreciation of music, and our ability to communicate. Participants in the National Academy of Sciences colloquium on Auditory Neuroscience: Development, Transduction, and Integration presented research results bearing on four key issues in auditory research. How does the complex inner ear develop? How does the cochlea transduce sounds into electrical signals? How does the brain's ability to compute the location of a sound source develop? How does the forebrain analyze complex sounds, particularly species-specific communications? This article provides an introduction to the papers stemming from the meeting.

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<li><a href="http://www.pnas.org/cgi/content/abstract/97/22/11690">Auditory Neuroscience: Development, Transduction, And Integration</a>, J. Hudspeth, Masakazu Konishi, Proc. Natl. Acad. Sci. USA, Vol. 97, Issue 22, 11690-

11691, October 24, 2000</font> </ul><font size=2>&nbsp;<br> <br> </font>8. &quot;What&quot; And

&quot;Where&quot; In Auditory Cortex, PNAS <dl>

<dd>Abstract: The functional specialization and hierarchical organization of multiple areas in rhesus monkey auditory cortex were examined with various types of complex sounds. Neurons in the lateral belt areas of the superior temporal gyrus were tuned to the best center frequency and bandwidth of band-passed noise bursts. They were also selective for the rate and direction of linear frequency modulated sweeps. Many neurons showed a preference for a limited number of species-specific vocalizations (&quot;monkey calls&quot;). These response selectivities can be explained by nonlinear spectral and temporal integration mechanisms. In a separate series of experiments, monkey calls were presented at different spatial locations, and the tuning of lateral belt neurons to monkey calls and spatial location was determined. Of the three belt areas the anterolateral area shows the highest degree of specificity for monkey calls, whereas neurons in the caudolateral area display the greatest spatial selectivity. We conclude that the cortical auditory system of primates is divided into at least two processing streams, a spatial stream that originates in the caudal part of the superior temporal gyrus and projects to the parietal cortex, and a pattern or object stream originating in the more anterior portions of the lateral belt. A similar division of labor can be seen in human auditory cortex by using functional neuroimaging.

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<li><a href="http://www.pnas.org/cgi/content/abstract/97/22/11800">Mechanisms And Streams For Processing Of

&quot;What&quot; And &quot;Where&quot; In Auditory Cortex</a>, Josef P. Rauschecker, Biao Tian, Proc. Natl. Acad. Sci. USA, Vol. 97, Issue 22, 11800-11806, October 24, 2000</font> </ul><font size=2>&nbsp;<br> <br> </font>9. Measuring The Complexity Of Neurophysiological Signals, Human Brain Mapping <dl>

<dd>Abstract: Measures of signal complexity can be used to distinguish neurophysiological activation from noise in

those neuroimaging techniques where we record variations of brain activity with time, e.g., fMRI, EEG, ERP. In this paper we explore a recently developed approach to calculate a quantitative measure of deterministic signal complexity and information content: The Renyi number. The Renyi number is by definition an entropy, i.e., a classically used measure of

disorder in physical systems, and is calculated in this paper over the basis of the time frequency representation (TFRs) of the measured signals. When calculated in this form, the Renyi entropy (RE) indirectly characterizes the complexity of a signal by providing an approximate counting of the number of separated elementary atoms that compose the time series in the time frequency plane. In this sense, this measure conforms closely to our visual notion of complexity since low complexity values are obtained for signals formed by a small number of components. The most remarkable properties of this measure are twofold: 1) It does not rely on assumptions about the time series such as stationarity or gaussianity and 2) No model of the neural process under study is required, e.g., no hemodynamic response model for fMRI. The method is illustrated in this paper using fMRI, I

intracranial ERPs and intracranial potentials estimated from scalp recorded ERPs through an inverse solution (ELECTRA). The main theoretical and practical drawbacks of this measure, especially its dependence of the selected TFR, are discussed. Also the capability of this approach to produce, with less restrictive hypothesis, results comparable to those obtained with more standard methods but is emphasized.

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<li><a href="http://www3.interscience.wiley.com/cgi-bin/abstract/72515455/START">Measuring The Complexity Of Time Series: An Application To </a>Neurophysiological<a href="http://www3.interscience.wiley.com/cgi-bin/abstract/72515455/START"> Signals</a>, Andino,S. L. G.; De Peralta Menendez, R. G.;Thut,G.;Spinelli, I.; Blanke,

0.;Michel,C. M.;Seeck, M.;Landis, T.,Human Brain Mapping, Volume 11,Issue 1, 2000. Pages: 46-57</font>

</ul><font

size=2>&nbsp;<br> <br> </font>10. Small World Patterns In Food Webs,SFI Working Papers <dl>

<dd>Abstract: The analysis of some species-rich,well-defined food webs shows that they display the so called Small World behavior shared by a number of disparate complex systems.The three systems analysed (Ythan estuary web, Silwood web and the little Rock lake web) have different levels of taxonomic resolution, but all of them involve high clustering and short path lengths between species. Additionally, the distribution of connections  $P\{k\}$  is skewed in all the webs analysed and shows a power-law behavior  $P(k) \sim k^{-g}$  in two cases (with  $g > 1$ ). These features suggest that communities might be self-organized in such a way that high homeostasis to perturbations (with short transient times to recovery) would be at work. The consequences for ecological theory are outlined.

</dl>

<ul><font size=2>

<li><a href="http://www.santafe.edu/sfi/publications/Abstracts/00-10-059abs.html">Small World Patterns In Food

Webs</a>,Jose M. Montoya, Ricard V. Solé,SFI Working Papers 00-1Q-059,Submitted To J. Theor. Biol</font>

</ul><font size=2>&nbsp;<br> <br> </font>11.Symmetry Breaking And Coarsening In Spatially Distributed Evolutionary

Processes,Physical Review E <dl>

<dd>Abstract: Sexual reproduction presents significant challenges to formal treatments of evolutionary processes. A starting point for systematic treatments of ecological and evolutionary phenomena has been provided by the gene centered view of evolution which assigns effective fitness to each allele instead of each organism. The gene centered view can be formalized as a dynamic mean field approximation applied to genes in reproduction /selection dynamics. We show that the gene centered view breaks down for symmetry breaking and pattern formation within a population; and show that spatial distributions of organisms with local mating neighborhoods in the presence of disruptive selection give rise to such symmetry breaking and pattern formation in the genetic composition of local populations. Global dynamics follows conventional coarsening of systems with non-conserved order parameters.The results have significant implications for the ecology of genetic diversity and species formation.The dynamics of evolution can be studied by statistical models that reflect properties of general models of the statistical dynamics of interacting systems. Research on this topic can affect the conceptual foundations of evolutionary biology,and many applications in ecology, population biology,

and conservation biology. Among the central problems is understanding the creation, persistence, and disappearance of genetic diversity. In this paper, we describe a model of sexual reproduction which illustrates mean

field approaches (the gene-centered view of evolution) and the relevance of symmetry breaking and pattern formation in spatially distributed populations as an example of the breakdown of these approximations.

</dl>

<ul><font size=2>

<li><a href="http://necsi.org/projects/sayama/symmetrybreaking.pdf">Symmetry Breaking And Coarsening In Spatially Distributed Evolutionary Processes Including Sexual Reproduction And Disruptive Selection</a>, Hiraki Sayama, les Kaufman, Yaneer Bar-Yam, NECSI Preprint, Physical Review E, 2000, In Press</font>

<li>&nbsp;&nbsp;&nbsp;</ul><a name="12"></a><a name="12"></a>12. Does A Climate Clock Get A Noisy Boost?, Science <dl>

<dd>Abstract: Three researchers pondering what could be behind a roughly 1500-year cycle of warming and cooling are suggesting that it is a combination of two climate drivers, each too weak to have a large effect on its own. When a strictly periodic cycle teams up with just the right amount of thoroughly irregular noise, the combination could achieve

&quot;stochastic resonance&quot; and set off the dramatic climate shifts of the last ice age--or the next, possibly human-triggered, Little Ice Age. No one is claiming the case is proven, but if true it will complicate predictions of future climate.

</dl>

<ul><font size=2>

<li><a href="http://www.sciencemag.org/cgi/content/fuii/290/5492/697">Does A Climate Clock Get A Noisy Boost?</a> Richard A. Kerr, Science Magazine, Volume 290, Number 5492, 10/27/00, Pp. 697-698</font>

</ul>&nbsp;&nbsp;&nbsp;<br> <br> <a name="13"></a>13. Beautiful, Complex, And Diverse Specialists, Science <dl>

<dd>Excerpts: &quot;Neuroscientists have been fascinated by the beauty and the complexity of dendrites in the nervous

system ever since the days of the great Spanish neuroanatomist Ramon y Cajal. Over the years, it has become clear that dendrites play a crucial role in processing and integrating the signals received by nerve cells. Due to the lack of adequate equipment, however, many of the particulars of the underlying mechanisms by which dendrites accomplish these tasks remained unclear for a long time. Except for a few pioneering individuals, neuroscientists tended to focus on more easily accessible structures and assumed that they could extrapolate those findings to explain dendrite function as well. But this situation has recently changed dramatically. Aided by new technology, neuroscientists are now able to study the function of dendrites at a detailed level that seemed almost beyond reach a generation ago. This special issue of Science takes a look at some of their key findings.&quot;<a href="http://www.sciencemag.org/cgi/content/summary/290/5492/735">(1}</a> <br> <br>

<dd>&quot;These synapse changes require a supply of new proteins, and those proteins must be directed to specific synapses, because synapses undergo changes independently of their neighbors. That presents neurons with a distribution challenge, because the dendrites form a finely branched maze whose synapses may be

hundreds of micrometers from the neuron's cell body. Now, after decades of piecing together hints, neuroscientists are building a

detailed picture of how this made-to-order protein synthesis occurs. The emerging picture is one in which synapses have

'some kind of autonomy,' (...)&quot;

<http://www.sciencemag.org/cgi/content/full/290/5492/736>>(2)</a>

</dl>

<ol><font size=2>

<li><a href="http://www.sciencemag.org/cgi/content/summary/290/5492/735">Beautiful, Complex, And Diverse Specialists</a>, Peter Stern, Jean Marx, Science Magazine, Volume 290, Number 5492, 10/27/00, Pp. 735</font> <font size=2> <li><a href="http://www.sciencemag.org/cgi/content/full/290/5492/736">Synapses Call The Shots, Marcia

</a><a href="http://www.sciencemag.org/cgi/content/full/290/5492/736">Barinaga</a>, Science Magazine, Volume

290, Number 5492, 10/27/00, Pp. 736-738</font> </ol>&nbsp;<br> <br> <a name="14"></a>14. Unks & Snippets

<br>

<ul>

<li><a name="14.1"></a>14.1 Extinction Turns Out To Be A Slow, Slow Process, NYtimes<a name="14.1"></a> <ul>

<li>&quot;There is a growing realization among ecologists that the endgame for species is not nearly as straightforward as it is portrayed in mathematical models. These predict extinction rates by crunching the density of species in a habitat, the size of the habitat and the rate at which it is destroyed. The discrepancy between theory and reality has led some biologists to call for a change in the way conservationists describe the extinction process to the public, and in the way that scientists study it.&quot;<ul><font size=2> <li><a href="http://www.nytimes.com/2000/10/24/science/24EXTI.html">Extinction Turns Out To Be A Slow, Slow Process</a>, Andrew C. Revkin, NYtimes, 10/24/00</font> </ul> &nbsp;<br> <br>

</ul>

<li><a name="14.2"></a>14.2 Influence Of Mean Climate Change On Climate Variability, Nature <ul> <li>&quot;Today, the El Nino/Southern Oscillation (ENSO) system is the primary driver of interannual variability in global climate, but its long-term behaviour is poorly understood. (...) <br> <br>

<li>After 1920, variability weakens and becomes focused at interannual timescales; with the shift in 1976, variability

with a period of about 4 years becomes prominent. Our results suggest that variability in the tropical Pacific is linked to the region's mean climate, and that changes in both have occurred during periods of natural as well as anthropogenic climate forcing.

- [Influence Of Mean Climate Change On Climate Variability From A 155-Year, Tropical Pacific Coral Record](http://www.nature.com/nlink/v407/n6807/jabs/407989a0_fs.html), FE Urban, J E Cole & J T Overpeck, Nature, Vol 407 No. 6807, 989, 10/26/00

- [14.3](#) Scientists Now Acknowledge Role of Humans in Climate Change, NYTimes &quot;One of its most striking findings is its conclusion that the upper range of warming over the next 100 years could be even higher than it estimated in 1995, in a worst case raising the average global temperature 11 degrees Fahrenheit from where it was in 1990. By comparison, average temperatures today are only 9 degrees Fahrenheit warmer than they were at the end of the last Ice Age.
- In its 1995 analysis, the panel concluded that a worst case would raise temperatures 6.3 degrees.
- [Scientists Now Acknowledge Role of](http://www.nytimes.com/2000/10/26/science/26CLIM.html)
- [Humans in Climate Change](#), Andrew C. Revkin, NYTimes, 10/26/00
- [14.4](#) &nbsp;14.4 Unlocking Secrets Of Magnetic Fields' Power, NYtimes
- Scientists tried to understand (&) how the magnetic field of the Sun releases its energy so suddenly to create a solar flare or an eruption of gases into space. The favorite contender has been a poorly understood process called reconnection, in which taut field lines brush together and, in effect, cut each other and then whip around, like snapped rubber bands, in a new configuration.
- last week James Drake, a physicist at the University of Maryland
- (&) shows not only that reconnection can take place quickly, but also that it is a simpler and more universal phenomenon than suspected.
- [Unlocking Secrets Of Magnetic Fields' Power](http://www.nytimes.com/2000/10/24/science/24MAGN.html), James Glanz, NYtimes, 10/24/00
- [14.5](#) 14.5 Suppressing Complexity Via The Slaving Principle, Phys Rev E
- Abstract: The complexity of a nonlinear dynamic system can be suppressed by adding an external period force with appropriate choice of frequency and amplitude directly on the slowly changing variable of the system. Numerical results indicate that the method not only can suppress chaos but also is robust to the additive external noise.
- [Suppressing Complexity Via The Slaving Principle](http://publish.aps.org/abstract/PRE/v62/p4417), Wu, S.; He, K.; Huang, Z., Physical Review E, September 2000 -- Volume 62, Issue 3, Pp. 4417-4420



&nbsp;<br> <br>

</ul>

<li><a name="14.6"></a>14.6 The Mysterious World Of Pain, Nature &quot;ATP -- adenosine triphosphate -- is to the body what oil is to the industrialized world. Produced in virtually every cell of every living thing, it is the primary power source for reactions as diverse as muscle contraction,protein synthesis and heat generation. Now new research confirms a very different role for ATP<a name="14.6"></a> -- as a trigger for pain receptors.

<li>(&amp;) the connection between the site of a stimulus and the firing of a neuron remains unclear.&quot;<ul>< font size=2> <li><a href="http://www.nature.com/nature/fow/001026.html">The Mysterious World Of Pain</a>, Nature Feature Of The Week 10/26/00</font> </ul> &nbsp;<br> <br>

<li><a name="14.7"></a>14.7 Frac tality In The Human Posture Control Systems, Physical Review E<a name="14.7"></a>

<ul>

<li>Abstract: By analyzing the movements of quiet standing persons by means of wavelet statistics,we observe multiple scaling regions in the underlying body dynamics. The use of the wavelet-variance function opens the possibility to relate scaling violations to different modes of posture control. We show that scaling behavior becomes close to perfect, when correctional movements are dominated by the vestibular system <ul><font size=2> <li><a

href="http://ojps.aip.org/journal\_cgi/getabs?KEY=PLEEE8&amp;cvips=PLEEE8000062000003004018000001&amp;gifs=Y

es">Scaling-Violation Phenomena And </a>Fractality<a

href="http://ojps.aip.org/journal\_cgi/getabs?KEY=PLEEE8&amp;cvips=PLEEE8000062000003004018000001&amp;gifs=Y

es"> In The Human Posture ControlSystems</a>,Stefan Thurner,Christian Mittermaier, Rudolf Hanel, And Klaus

Ehrenberger,PhysicalReview E- Volume 62,Issue 3, Pp. 4018-4024</font>&nbsp;<br>

</ul>

</ul>

</ul><font size=2><a href="http://www.comdig.org/">Complexity Digest</a> is an independent publication available to organizations that may wish to repast <a href="http://www.comdig.org/">ComDig</a> to their own mailing lists. <a href="http://www.comdig.org/">ComDig</a> is published by <a href="http://www.deanlebaron.com/index.html">Dean

</a><a href="http://www.deanlebaron.com/index.html">LeBaron</a> and edited by <a href="http://www.personal.psu.edu/faculty/g/x/gxm21/">Gottfried</a> J. <a href="http://www.personal.psu.edu/faculty/g/x/gxm21/">Mayer</a>. For individual free e-mail subscriptions send requests to: <a href="mailto:subscriptions@comdig.org">subscriptions@</a>comdig.<a href="mailto:subscriptions@comdig.org">org</a>.</font> </html>

From: Sent: To:

Cc:

Subject:

Michael Mann <memannOO@hotmail.com> Friday, July 13, 2001 11:44 AM  
jto@u.arizona.edu;j.cole@u.arizona.edu mann@virginia.edu

MEETING LOCATION???

<x-flowed>

Dear Peck or Julie:

Hoping you get this email. Not sure how else to contact you {forget the hotel you're staying at). Checked my email several times over. Never did receive any information regarding the \*place\* for the PAGES/CLIVAR wg meeting, the only email received had a rough outline of the meeting w/ a "to be announced" indicated for the place.

Please contact me at the Hotel Eden w/ the info this evening {can leave a message if I'm out) if possible!  
Thanks, and see you {I hope!) tomorrow,

mike

>From: Jonathan Overpeck <jto@u.arizona.edu>

>To: Andreas Villwock <avillwock@ifm.uni-kiel.de>

>CC:mamm@multiproxy.evsc.virginia .edu

>Subject: Re: Next Exchanges:Call for contributions,please distribute

>Date: Fri, 6 Jul 2001 10:25:35 -0700

>

>Hi Andreas - we can highlight this at the CLIVAR/PAGES mtg.I suspect

>Mike Mann might be able to coordinate some good paleo

>detection/attribution contributions, and I'll cc this to him to see if

>he bites. See you soon,Peck

>

>>Dear all,

>>

»I like to invite you and your colleagues to submit short scientific

»contributions for the next issue of CLIVAR Exchanges which will be

»dedicated to topics related to climate change prediction, detection

»and attribution. Since one of the main foci of CLIVAR is related to

»anthropogenic climate change and the Third Assessment Report of the

»Intergovernmental Panel on Climate Change (IPCC) has recently been

»finalised, we would like to highlight the recent accomplishments in

»this field of climate research.

»The deadline for submission is August 15, 2001.

>>

»Guidelines for the submission of papers for CLIVAR Exchanges can be

>>found under:

»<http://www.clivar.org/publications/exchanges/guidel.htm>

>>

»Please distribute this announcement in your institutes.

>>

»Iam looking forward to your contributions.Thanks very much in

>>advance

>>

>>Best regards

>>

»Andreas Villwock

>>

>>

>>--

>>\*\*\*\*\*

>>\*\*

>>

» Dr. Andreas Villwock

» International CLIVAR Project Office

» c/o Institut fuer Meereskunde

» Universitaet Kiel

» Duesternbrooker Weg 20

» D-24105 Kiel

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>>\*\*\*\*\*

>>\*\*

>

>--

>Jonathan T.Overpeck

>Director,Institute for the Study of Planet Earth Professor,Department

>of Geosciences

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><http://www.ispe.arizona.edu/>

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</x-flowed>

From: Sent: To:

Cc:

Subject:

Jonathan Overpeck <[jto@u.arizona.edu](mailto:jto@u.arizona.edu)> Friday, July 06, 2001 1:26 PM

Andreas Villwock

[mann@multiproxy.evsc.virginia.edu](mailto:mann@multiproxy.evsc.virginia.edu)

Re: Next Exchanges: Call for contributions, please distribute

<x-html>

<!doctype html public "-//W3C//DTD W3 HTML//EN"> <html><head><style type="text/css"><!--blockquote, dl, ul, ol, li {

margin-top:0; margin-bottom: 0 }

--></style><title>Re:Next Exchanges: Call for contributions, please dis</title></head><body> <div>Hi Andreas- we can highlight this at the CLIVAR/PAGES mtg. I suspect Mike Mann might be able to coordinate some good paleo detection/attribution contributions, and I'll cc this to him to see if he bites. See you soon,Peck</div> <div><br></div>

<blockquote type="cite" cite>Dear all,</blockquote> <blockquote type="cite" cite><br></blockquote> <blockquote

type="cite" cite>! like to invite you and your colleagues to submit short scientific contributions for the next issue of CLIVAR Exchanges which will be dedicated to topics related to<b> climate change prediction, detection and attribution</b>. Since one of the main foci of CLIVAR is related to anthropogenic climate change and the Third Assessment Report of the Intergovernmental Panel on Climate Change {IPCC} has recently been finalised,we would like to highlight the recent accomplishments in this field of climate research.</blockquote> <blockquote type="cite" cite>The deadline for submission is<b> August 15, 2001</b>.</blockquote> <blockquote type="cite"

cite><br></blockquote> <blockquote type="cite" cite>Guidelines for the submission of papers for CLIVAR Exchanges can be found under:</blockquote> <blockquote type="cite" cite><http://www.clivar.org/publications/exchanges/guidel.htm></blockquote>

>

<blockquote type="cite" cite><br></blockquote> <blockquote type="cite" cite>Please distribute this announcement in your institutes.</blockquote> <blockquote type="cite" cite><br></blockquote> <blockquote type="cite" cite>I am looking forward to your contributions. Thanks very much in advance</blockquote> <blockquote type="cite" cite><br></blockquote> <blockquote type="cite" cite>Best regards</blockquote> <blockquote type="cite" cite><br></blockquote> <blockquote type="cite" cite>Andreas Villwock</blockquote> <blockquote type="cite" cite><br> <br> </blockquote> <blockquote type="cite" cite>-<br>

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></span>\*\*\*<br>

<br>

&nbsp;&nbsp;&nbsp;Dr. Andreas Villwock<br>

&nbsp;&nbsp;&nbsp;International CLIVAR Project Office<br> &nbsp;&nbsp;&nbsp;c/o Institut fuer Meereskunde<br> &nbsp;&nbsp;&nbsp;Universitaet Kiel<br>

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&nbsp;WWW:http://www.clivar.org<br>

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<div><br></div>

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Jona than T. Overpeck<br>

Director,Institute for the Study of Planet Earth<br> Professor, Department of Geosciences<br> <br> Mail and Fedex

Address:<br> <br> Institute for the Study of Planet Earth<br>

715 N. Park Ave.2nd Floor<br> University of Arizona<br> Tucson,AZ 85721<br>

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fax: +1520 792-8795<br> http://www.geo.arizona.edu/Faculty\_Pages/Overpeck.J.html  
http://www.ispe.arizona.edu/</div>

</body>

</html>

</x-html>

From: Sent: To: Subject:

Cynthia B. Allen <cba4a@cms.mail.virginia.edu> Thursday,June 28, 200110:17 AM

Mann

Annual Report

<x-flowed> Mike:

This is one of the publications that will be listed in the annual report: Mann, M.E., E. Gille, R.S. Bradley, M.K. Hughes, J.T.

Overpeck, F.T. Keimig, and W. Gross. 2000. Global temperature patterns in past centuries: An interactive presentation.

Earth Interactions 4-4:1-29 .

The proofreader has a question: Should Interactions 4-4:1-29. be changed to Interactions 4(4):1-29. ??

Thanks

Cynthia B. Allen

Administrative Assistant

Department of Environmental Sciences

University of Virginia

Box 400123

Charlottesville VA 22904-4123

Tel: 434-924-0561

Fax: 434-982-2137

</x-flowed>

From: Sent: To:

Subject:



Keith Alverson <keith.alverson@pages.unibe.ch> Wednesday, May 16, 20014:41AM

Jonathan Overpeck; Jean Claude Duplessy; Keith Briffa; Martin Claussen; Julie Cole; Jean Jouzel; Mike Mann; Andreas Villwock

CUVAR/PAGES WG meeting - some details

Dear PAGES/CLIVAR WG members,

The PAGES/CLIVAR WG Meeting will be held 9 am-6 p.m. on July 14 at the Royal Netherlands Academy of Arts and Sciences (Dutch Academy). When you get to the Academy, you will see CLIVAR/PAGES alongside an appropriate meeting room on the television monitor. Lunch and am/pm teas will be provided in the building. Expected participants are:

K. Briffa, M. Claussen, J. Cole, J-C Duplessy, J. Jouzel, M. Mann, J.

Overpeck, A. Villwock, K. Alverson + guests.

#### ADDRESS DETAILS:

Royal Netherlands Academy of Arts and Sciences Kloveniersburgwal 29, Amsterdam, The Netherlands. Tel: 31-20-551-0862, Fax: 31-20-620-49-41

Web: <http://www.KNAW.nl/>

#### HOW TO REACH THE ACADEMY:

The Academy is situated approximately 10 minutes walk (you can also catch a tram to the top of the street - No. 4 or 9, then walk a short way) from the main street of Amsterdam (see map, go to our ftp server 'ftp.pages.unibe.ch', in the directory anonymous you'll find a folder called Amsterdam).

#### GENERAL

€ You find the Tourist information office just across the road from the main Central Station.

€When you fly into Amsterdam, you catch the train to central from the airport. The train costs NGL6.50 and leaves from platform 3. It takes approximately 15 minutes to get there and leaves approximately every 15-20 minutes.

€ For more details about the airport and public transport you might want to consult the following addresses:

<http://www.schiphol.nl/engine/> and <http://www.amsterdam.nl>. AGENDA

The meeting agenda will be distributed by email by the WG chairs approximately one week before the meeting. If you have suggestions, please send them to J.Overpeck ([jto@u.arizona.edu](mailto:jto@u.arizona.edu)) and J-C Duplessy ([jean-claude.duplessy@lsce.cnrs-gif.fr](mailto:jean-claude.duplessy@lsce.cnrs-gif.fr)).

From: [grathwohl@pages.unibe.ch](mailto:grathwohl@pages.unibe.ch) on behalf of PAGES International Project Office

<[pages@pages.unibe.ch](mailto:pages@pages.unibe.ch)>

Sent: To: Subject:

PAGES e-news

8-January, 2000

Contents:

Thursday, May 10, 2001 10:32 AM

Multiple recipients of PAGESEnews - Sent by

PAGES e-news May 2001

1. Call for participants: Euresco CLIVAR/PAGES conference on Abrupt Climate Change Dynamics, Castelvechio Pascoli, Italy, 10-15 November 2001

2. Call for participants: PEP3 Conference: Past Climate Variability Through Europe and Africa. 27-31 August 2001. Aix-en-Provence, France

3. Call for PAGES news contributions, PEP2, and Mountain themes

\*\*\*Details Below\*\*\*

-insert standard text on how to unsubscribe here-

1.

Call for participants: Euresco CLIVAR/PAGES conference on Abrupt Climate Change Dynamics, Castelvecchio Pascoli, Italy, 10-15 November 2001  
Chair - Jean-Claude Duplessy Vice-Chair - Thomas Stocker

With the growing awareness that the Earth's climate system can shift abruptly, and without warning, from one climate state to another, comes the imperative to develop the scientific understanding needed to anticipate climate "surprises" of the future. Although the meeting will include some consideration of large glacial events, the primary focus will be on "warm climate" (interglacial) abrupt change. The paleoclimate record makes it clear that abrupt climate shifts known to have occurred in the 20th century are only a subset of possible surprise climate system behaviors that have occurred in the more distant past and might be expected to occur in the future. Goals of the meeting are to summarize state-of-the-art and guide efforts to answer priority questions regarding abrupt climate change dynamics.

Session 1: What is abrupt climate change, and is it important for climate prediction  
Invited speakers: Tim Palmer, Andre Berger, Jonathan Overpeck, J. Willebrand, W. Broecker  
Session 2: Late Glacial Abrupt Change - is it applicable to the future?

Invited speakers: Brigitta Amman, Elsa Cortijo, Andrey Ganopolski, Brian Huntley, Atte Korhola, Dominique Raynaud, Thomas Stocker, Fabio Trincardi  
Session 3: Early Holocene Abrupt Change - is it applicable to the future?

Invited speakers: Richard Alley, Uli Von Graffenstein, Claude Hillaire-Marcel, Emi Ito  
Session 4: Mid Holocene Abrupt

Change - is it applicable to the future Invited speakers: Martin Claussen, Peter DeMenocal, Francoise Gasse, Sandy Harrison, Sylvie Joussaume, Berndt Zolitschka, Jean Claude Duplessy Session 5: The last Millennium - applicability to the future and detecting anthropogenic change Invited speakers: Heinz Wanner, Ray Bradley, Keith Briffa, Mojib Latif, Matti Saarnisto, Keith Alverson, Dirk Verschuren

The conference is open to researchers world-wide. Participation will be limited to 100. The emphasis will be on discussion about new developments.

The conference fee covers registration, full board and lodging. Grants will be available, in particular from nationals from

EU or Associated States under 35 years old. Additional funding from PAGES will also be available for participants from

Eastern Europe and the former Soviet Union, Africa and South America. Deadline for applications: July 2001  
[www.esf.org/euresco/01/lc01170b.htm](http://www.esf.org/euresco/01/lc01170b.htm)

2.

Call for participants: PEP3 Conference: Past Climate Variability Through Europe and Africa. 27-31 August 2001. Aix-en-Provence, France

The PEPIII Programme is the component of PAGES concerned with climate change through Western and Eastern Europe, Middle-East and Africa. It aims to: 1) understand how and why climate has varied in the past, 2) assess how climate change and variability has affected natural ecosystems and human society in the past, 3) provide a basis both for developing and testing climate models that are needed to forecast climate change in the future. The conference is designed to synthesize the current understanding of climate variability and its impact along the PEPIII transect. The plenary sessions will place the PEPIII transect within a global climatic context and in relation with other paleoclimatic programs (Session A), and will highlight new results within the six regions along the transect (Session B).

List of topics and invited speakers can be found at the website:

[www.geog.ucl.ac.uk/ecrc/pep3/aix.2001/](http://www.geog.ucl.ac.uk/ecrc/pep3/aix.2001/)

3. Call for PAGES news contributions, PEPII and Mountain themes:

The next issue of PAGES news will have as main topic the science along the PEP2II transect. The deadline to submit a scientific highlight (-1000 words with 1-2 figures) or program news (-sao words, 1 figure) is May 31st. If you have any interesting contribution, new products, conference reports or announcements, please send a short text to [isabelle.larocque@pages.unibe.ch](mailto:isabelle.larocque@pages.unibe.ch)

The final issue of 2001, to appear in late December, will be dedicated to mountain research as a PAGES contribution to the UN designated "year of the mountains" in 2002.. The deadline to submit for this newsletter is October 31st 2001. Please submit to: [isabelle.larocque@pages.unibe.ch](mailto:isabelle.larocque@pages.unibe.ch)

You are receiving this email as a subscriber to the PAGES newsletter. This list is used infrequently. Should you wish to remove yourself from both the newsletter and email subscription lists please reply to this message with the words "unsubscribe all" in the subject. To unsubscribe from only one service use the subject "unsubscribe newsletter" or "unsubscribe email".

PAGES International Project Office, Baerenplatz 2, CH-3011 Bern <http://www.pages-igbp.org>

From: Sent: To:

Cc:

Subject:

Michael E. Mann <[mann@virginia.edu](mailto:mann@virginia.edu)> Thursday, April 26, 2001 1:53 PM Jennifer Giesler

[mann@virginia.edu](mailto:mann@virginia.edu)

Re: Reconstructing Late Holocene Climate Workshop





rwebb@cdc.noaa.gov  
;

R. Webb

mcane@ldeo.columbia.edu  
mevans@ldeo.columbia.edu  
david@atmos.washington.edu

Battisti

jlean@ssdS.nrl.navy.mil

J. Lean

jcoble@geo.arizona.edu

J. Cole

sarachik@atmos.washington.edu

E. Sarachik

reichert@dkrz.de

B. Reichart

Jennifer Giesler

Michael E. Mann wrote:

Dear Jennifer,  
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mike

At 01:58 PM 4/25/01-0400, Jennifer Giesler wrote:  
I

contacted for forms by:

Ray Bradley (contacted me today) Julia Cole (e-mailed 1/11)





"Reconstructing Late Holocene Climate" in Charlottesville, VA, 17-20 April 2001. Funding for travel is limited and we expect individuals to supplement costs with other available funds. There is a maximum level of roughly

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\*\* \*\*\*\*\* Jennifer Giesler

Career Services Manager/ESH Secretariat American Geophysical Union

2000 Florida Avenue, NW Washington, DC 20009

p: {202} 777-7512 <br> f: (202) 328-0566 <br> jgiesler@agu.org <br>

\* \*\*\*\*\* \*\* \*\* \*\*\*\*\* <br>

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<p>Jennifer

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<br>Jennifer Giesler

<br>Career Services Manager/ESH Secretariat <br>American Geophysical Union

<br>2000 Florida Avenue, NW

<br>Washington, DC 20009

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Jennifer

\*\*\*\*\*

Jennifer Giesler











J. Overpack <br>  
tom@ocean.tamu.edu

T. Crowley <br>

drdendro@ideo.columbia.edu  
rwebb@cdc.noaa.gov

R. Webb <br> mcane@ideo.columbia.edu  
mevans@ideo.columbia.edu  
M Evans <br>  
david@atmos.washington.edu

Battisti <br>  
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J. Lean <br>  
jcole@geo.arizona.edu

J. Cole <br>

sarachik@atmos.washington.edu

E.Sarachik <br>  
reichert@dkrz.de

B. Reichart <br>

<br>

Jennifer Giesler <br>

<br>

<br>

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<br>

<br>



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[jgiesler@agu.org](mailto:jgiesler@agu.org) <br>

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<a href="http://www.evsc.virginia.edu/faculty/people/mann.shtml" eudora="autourl">http</a>://www.evsc.virginia.edu/faculty/people/mann.<a href="http://www.evsc.virginia.edu/faculty/people/mann.shtml" eudora="autourl">shtml<br> </a></html>  
</x-html>

From: Sent: To: Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Thursday, April 26, 2001 9:53 AM Jennifer Giesler

mann@virginia.edu

Re: Reconstructing Late Holocene Climate Workshop

<html>

OK. Thanks Jennifer,<br>

<br>

Will keep you posted too...<br>

<br>

mike<br>

<br>

At 01:33 PM 4/26/01-Q400,you wrote:<br> <blockquote type=cite class=cite cite>This summary was great. Just what I needed.Thank you for being so thorough. <br> <br> I will be happy to keep you apprised of the reimbursement totals. Feel free to e-mail me occasionally as a reminder. <br> <br> Jennifer <br> <br> &quot;Michael E. Mann&quot;wrote:

<br> <blockquote type=cite class=cite cite>&nbsp;HI Jennifer,<br> <br> Several of these were no shows (E vans, Battisti, Cane, Sarachik), I promised 1other person (Kaplan) reimursement since he was a replacement for Cane/Evans, and

there <br> is one other person (Weiss) who was promised support at some point.<br> <br> Crowley and&nbsp; Weiss are already maxed out on reimbursement any way we cut it, so lets then consider the other individuals who remain for reimbursement:<br> <br> We have left \$7191to reimburse the following 10 individuals: <br>





rwebb@cdc.noaa.gov  
mcane@ldeo.columbia.edu  
mevans@ldeo.columbia.edu  
david@atmos.washington.edu

jlean@ssd5.nrl.navy.mil

J. Lean  
jcole@geo.arizona.edu  
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Julia Cole (e-mailed 1/11)  
Bernhard Reichert (e-mailed 1/10)  
A note: \$2809 of these funds has already been used to pay airfare for the following:  
Konrad Hughen \$743.50  
Harvey Weiss \$896.00  
Thomas Crowley \$1169.50

\$7191 remains from the \$10K.

Jennifer Giesler

Michael E. Mann wrote:

Dear Jennifer,  
The U.S. workshop participants should be seeking reimbursement from you shortly for the Charlottesville Workshop that took place last week.  
Several individuals did not attend, but a couple others (Kaplan and Weiss) may also be seeking reimbursement.  
My understanding is that we have IOK from which to reimburse all participants (including airline costs that have already been paid by UCAR directly). Is it possible for you to determine the list of individuals who are seeking reimbursement, so I can figure out if there are available funds to reimburse a few individuals more than the nominal \$650 indicated in

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p: (202) 777-7512 &lt;br> f: (202) 328-0566 &lt;br> jgiesler@agu.org &lt;br>





From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@virginia.edu>

Saturday, April 14, 2001 5:21 PM Brenda W. Morris mann@virginia.edu

Re: Workshop hosted by Dr. Michael Mann

<x-flowed> Hi Brenda,

here is one more revised version of the program. This is the final revision (promise!). Please include this one, if at all possible, w/ people's registration packets. Thanks,

mike

At 04:36PM 4/12/01-0400, you wrote:

>

> ANNOUNCEMENT

>

> Reconstructing Late Holocene Climate Workshop

> Newcomb Hall South Meeting Room

> Charlottesville, Virginia

> April 17-20, 2001

>

>

> This scientific meeting is an international PAGES/CLIVAR workshop under

>the auspices of the International Geosphere-Biosphere Project (IGBP).  
>attended by leaders of the climate research community from Europe and  
>North America, and representatives of major U.S. governmental science  
>agencies (NSF and NOAA), and it is being hosted by Dr. Michael E. Mann.

>

>If you would like more information, you may contact the Meeting  
>Coordinator, Brenda Morris, by E-Mail (bwm6q@virginia.edu).

>

>

>LIST OF PARTICIPANTS

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>Marine Chemistry & Geochemistry

>Woods Hole Oceanographic Institute

>Woods Hole,MA 02543 Yes

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From: Sent: Subject:

Brenda W. Morris <bwm6q@virginia.edu> Tuesday, April 10, 2001 5:14 PM

Workshop program

Here is the latest draft of the program for the workshop next week. Since some of you have a problem opening an attachment, I am just placing the program in this message.

Thanks

Brenda

\*\*\*\*\*

Reconstructing Late Holocene Climate

Charlottesville, Virginia

April 17-20, 2001

A scientific workshop sponsored by PAGES/CLIVAR, NSF and NOAA (Earth Systems History, United States), NRP (Netherlands), and GKSS (Germany)

Day 1: Tuesday April 17

8:00AM Registration and Refreshments

8:40AM Workshop Opens

Welcoming Remarks (M. Mann; H. von Storch) Logistics (B. Morris)

9:00AM SESSION 1: Climate Reconstructions of the North Atlantic and Neighboring Regions (Session Chair: K. Briffa; Rapporteur: K. Hughen)

J. Guiot (30 min) Proxy Data

Reconstruction of European Climate from Historical and

O. Nordli Norwegian Norpast project

H. Miller Reconstruction of Climate/Atmospheric Variability from Northern Greenland Ice Cores

M. Schwab European Terrestrial Records and Correlation w/ Greenland Ice Cores

M. Barriendos Historical Documentary Evidence from Southern Europe

10:50-11:10 AM Coffee & Refreshments

R. Brazdil the past

J. Luterbacher

(1500-2000) H. Wanner

F. Gonzalez-Rouco

Chronologies

Documentary data and its use for climate reconstructions during millennium in Europe

Reconstruction of Atlantic-European climate variability

Preferred Modes of Atlantic-European winter climate { 1500-2000) North Atlantic Climate Variability in Tree Ring

E. Cook

Proxy-Based Reconstructions of North Atlantic Climate

12:50 Discussion (led by H. Wanner)

1:10PM: Break for Lunch

2:30 PM SESSION 2: Drought Reconstructions (Session Chair:K. Hughen; Rapporteur: M. Evans)

M.Hughes (30 min) Multidecadal Drought in Western North America

C. Woodhouse

A. Schwalb

USA

Continental U.S. Drought Reconstructions

Late Holocene Centennial Drought Cyclicality in the Great Plains,

3:40-4:00 PM Coffee & Refreshments

K. Laird Droughts in Eastern Equatorial Africa

J. Negendank Climate Oscillations in Varved Lake Records

A. Rings Climate reconstruction from lake sediments Using diatom frustules

H. Weiss Abrupt Holocene Climate Change Events at 8200BP, 5200BP, and 4200BP

5:20PM Discussion (led by J. Overpeck)

5:40PM Break for Day

Day 2: Wednesday April 18

8:45 AM Refreshments

9:00AM SESSION 3: Records of ENSO and tropical Variability (Session Chair: E. Cook; Rapporteur: S. Rutherford)

J. Cole (30 min) Paleo Records of Tropical Climate Variability

M. Evans

K. Hughen

Reconstructions of Tropical Pacific Variability

Sediment Records of Tropical Atlantic Variability

10:10 AM Discussion (led by M. Evans and J. Cole)



10:30-10:50 AM Coffee & Refreshments

10:50 AM SESSION 4: Large-Scale Climate Reconstruction (Session Chair: M. Mann; Rapporteur: J. Luterbacher)

R. Bradley (30 min) Multiproxy Reconstructions of Past Climate Variability

K. Briffa

J. Jones

J. Lean

Large-scale Temperature Reconstructions Based on Tree Ring Density

A tree-ring Based Estimate of the Antarctic Oscillation

Reconstructions of Solar Forcing in Past Centuries

12:20 PM: Break for Lunch

1:40 PM SESSION 4 (CONT): Large-Scale Climate Reconstruction (Session

Chair: R. Bradley; Rapporteur: J. Luterbacher)

A. Kaplan

S. Rutherford

Large-scale Climate Reconstruction with Tree Rings and Corals

Methodological Approaches to Multiproxy Climate Reconstruction

2:20PM Discussion (led by M. Mann}

2:40PM SESSION 5: Forced Climate Variability in Past Centuries (Session  
Chair: A. Kaplan; Rapporteur: B. Reichert}

T. Crowley (30 min) Modeling Climate Change over the Past 1000 Years

3:10-3:30 PM Coffee & Refreshments

J. Overpeck

H. Renssen

F. Wagner

Climate Forcing and Response in Past Centuries

Solar Variability: Model/Data Intercomparison

CO<sub>2</sub> reconstructions based on leaf stomata

4:30PM Discussion (led by R. Webb)

4:50PM Break for Day

Day 3: Thursday April 19

8:45 AM Refreshments

9:00AM SESSION 6: Model/ Paleodata Comparison: Part 1 (Session Chair: J. Jones; Rappateur: M. Widmann)

H. Von Storch      Paleoclimate Modeling Strategies using Free, Forced, and Data-Assimilated Runs

N. Weber      low-Frequency Climate Variability and Associated Glacier Changes in the ECBilt Coupled Model

G. Van de Schrier      Sea-level/climate variability: ECBilt model results and comparison w/ paleodata

B. Reichert      Paleo Downscaling/Model Assimilation

10:20 AM Discussion (led by J. Jones and N. Weber)

10:40-11:00 AM Coffee & Refreshments

11:00 PM SESSION 7: Model/ Paleodata Comparison: Part 2 (Session Chair: A. Schwalb; Rappateur: G. Van de Schrier)

R. Webb (30 min) Variability

Comparison of Modeled and Observed Holocene Climate

D. Handorf Natural Variability of Atmospheric Circulation Regimes in  
Coupled Models

M. Widmann Climate Model Assimilation w/ Paleodata Using Pattern Nudging

12:10 PM Discussion (led by H. von Storch)

12:30 PM Break for Lunch

2:00PM Informal discussion of future paleoclimate research priorities and directions.

4:00PM Break for Day

5:30-7:00 PM Reception, Mural Room, Clark Hall

END OF WORKSHOP

From: Sent: To: Cc:

Subject:

Jonathan Overpeck <jto@u.arizona.edu>

Tuesday, April 10, 2001 11:34 AM Michael E. Mann jcole@geo.arizona.edu

travel to VA and beyond

<x-flowed>

Mike- bad news = good news. We're not going to Nepal, and are very happy in one respect - now we can go to you mtg w/o being all stressed out. We'll have to arrive Tues night, so we'll miss the first day. But we can stay through til friday. Is there still a discussion going on on friday am?

Look forward to seeing you!

Hope you find a hotel in amsterdam. Shouldn't be impossible if you act fast. We got on the www and got a place downtown, but that takes a few minutes. We need you there! And, its a fun town!

Cheers, Peck

Jonathan T. Overpeck

Director, Institute for the Study of Planet Earth Professor, Department of Geosciences

Mail and Fedex Address:

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715 N. Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721

direct tel: +1520 622-9065 fax: +1520 792-8795 [http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html)  
<http://www.ispe.arizona.edu/>

</x-flowed>

From: Sent: To:

Subject:

Keith Alverson <keith.alverson@pages.unibe.ch>

Tuesday, April 10, 2001 10:59 AM Michael E. Mann

Re: Travel to Amsterdam for CUVAR/PAGES WG Mtg

HiMike,

Sorry to hear about Congrex. They have been a royal pain in the neck, and in fact botched almost everything we have asked them to do. I trust you will find a room and look forward to seeing you in Amsterdam.

Keith

Keith Alverson

Executive Director

PAGES International Project Office Barenplatz 2, 3011 Bern Switzerland

<http://www.pages-igbp.org>

Tel: +4131312 3133

Fax: +4131312 3168

> From: "Michael E. Mann" <mann@multiproxy.evsc.virginia.edu>

> Date: Tue, 10 Apr 2001 10:41:40 -0400

> To: David Legler <legler@usgcrp.gov>, Jonathan Overpeck

> <jto@u.arizona.edu>

> Cc: Keith Alverson <keith.alverson@pages.unibe.ch>, Jill Reisdorf

> <reisdorf@ucar.edu>, legler@earth.usgcrp.gov

> Subject: Re: Travel to Amsterdam for CLIVAR/PAGES WG Mtg

>

> Dear David,

>

> Thanks for getting back to us.

>

> Unfortunately, it looks like Congrex Holland may have botched my

> changes at getting a hotel reservation, so I'll need to hold off until

> I'm sure I've got a place to stay!

>

> Should be in touch again soon,

>

> mike

>

> At 08:55AM 4/10/01-0400, David Legler wrote:

>> Dear Peck,

>>

>> I can support travel by yourself and Mike Mann to attend the joint

>> CLIVAR/PAGES WG mtg in Amsterdam in July. This support will include

>> airfare and sufficient per-diem and other reasonable and allowable

>> travel costs to attend the WG meeting.

>>

>> Below are some notes regarding how travel arrangements/reimbursement

>> are handled. The dates of the WG meeting are not on the CLIVAR

>> calendar...please provide this detail. Both yourself and Mike Mann

>> should contact Jill Reisdorf as soon as possible at UCAR/JOSS to arrange travel.

»She can work with other groups such as NAS/NRC who may be supporting  
>>your travel.

>>

»If you have any questions,feel free to contact me.

>>

»Regards, David

>>

>>

»Travel by non-government employees

»Authorization

»Members of committees traveling to meetings of committees to which  
>>they belong do not need explicit authorization from US CLIVAR Office.

>> However, those invited to make a presentation at another meeting  
>>(e.g. different CLIVAR committee from their assignment)- must obtain  
>>approval from US CLIVAR Office.Approval for travel support is  
>>contingent upon numerous factors, including scientific/programmatic  
>>justification and availability of funding.

»Arranging Travel

»All travelers must contact UCAR/JOSS to arrange travel. This should  
>>be done well in advance (minimum of 2-3 weeks) of scheduled travel dates.

>>Failure to follow this requirement could result in very unpleasant  
>>and possibly costly consequences. UCAR/JOSS can only reimburse  
>>travelers for travel arranged or otherwise approved in advance by UCAR/JOSS.

>> Reimbursements

»UCAR/JOSS will provide to travelers the necessary forms and  
>>instructions for reimbursement of allowable travel expenses.  
>>Travelers should submit reimbursement forms to UCAR/JOSS upon completion of CLIVAR travel.

>>

»UCAR/JOSS Contact:

»Jill Reisdorf Wk:303 497-8636



»UCAR Joint Office for Science Support Fax: 303 497-8633

>>P.O. Box 3000-FL4 E-mail: reisdorf@ucar.edu

>>Boulder,Colorado 80307 [http://www.joss.ucar.edu/joss\\_psg/](http://www.joss.ucar.edu/joss_psg/)

>>

>>

»At 9:49AM -0700 4/9/01, you wrote:

>> Hi David- I just wanted to follow up on emails exchanged earlier

>>this year in which you signaled that your office would be able to

>>cover the costs of two US participants at the CLIVAR/PAGES WG mtg in

>>Amsterdam this July.

>>>

>>Mike Mann

>>>Jonathan Overpeck

>>>

>>It turns out that the US NAS/NRC will probably cover some of my

>>costs,but Ican't say how much yet. But,I did want to let both

>>Mike and Keith Alverson (PAGES Exec Dir) know the status of funding for both Mike and me.

>>>

>>Can you pis send an email to us all confirming allis ok with this,

>>and also letting us know how the funding/reimbursment will be handled.

>>>

>>Thanks!

>>>

>>Cheers,Peck

>>> --

>>Jonathan T. Overpeck

>>Director, Institute for the Study of Planet Earth Professor,

>>Department of Geosciences

>>>

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>»<http://www.ispe.arizona.edu/>

>>

>> --

>>

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> <http://www.evsc.virginia.edu/faculty/people/mann.shtml>

>

224

From: Sent: To:

Cc:

Subject:

<x-flowed> Dear Peck,

David Legler <[legler@usgcrp.gov](mailto:legler@usgcrp.gov)> Tuesday, April 10, 2001 8:56 AM Jonathan Overpeck

Keith Alverson; [mann@multiproxy.evsc.virginia.edu](mailto:mann@multiproxy.evsc.virginia.edu); Jill Reisdorf;

[legler@earth.usgcrp.gov](mailto:legler@earth.usgcrp.gov)

Re: Travel to Amsterdam for CUVAR/PAGES WG Mtg

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If you have any questions, feel free to contact me. Regards, David

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However, those invited to make a presentation at another meeting (e.g. different CLIVAR committee from their assignment) - must obtain approval from US CLIVAR Office. Approval for travel support is contingent upon numerous factors, including scientific/programmatic justification and availability of funding.

##### Arranging Travel

All travelers must contact UCAR/JOSS to arrange travel. This should be done well in advance (minimum of 2-3 weeks) of scheduled travel dates. Failure to follow this requirement could result in very unpleasant and possibly costly consequences. UCAR/JOSS can only reimburse travelers for travel arranged or otherwise approved in advance by UCAR/JOSS.

##### Reimbursements

UCAR/JOSS will provide to travelers the necessary forms and instructions for reimbursement of allowable travel expenses.

Travelers should submit reimbursement forms to UCAR/JOSS upon completion of CLIVAR travel.

##### UCAR/JOSS Contact:

Jill Reisdorf Wk: 303 497-8636

UCAR Joint Office for Science Support Fax: 303 497-8633

P.O.Box 3000-FL4 E-mail: reisdorf@ucar.edu

Boulder, Colorado 80307      [http://www.joss.ucar.edu/joss\\_psg/](http://www.joss.ucar.edu/joss_psg/)

At 9:49AM -0700 4/9/01, you wrote:

>Hi David- I just wanted to follow up on emails exchanged earlier this  
>year in which you signaled that your office would be able to cover the  
>costs of two US participants at the CLIVAR/PAGES WG mtg in Amsterdam  
>this July.

>

>Mike Mann

>Jonathan Overpeck

>

>It turns out that the US NAS/NRC will probably cover some of my costs,  
>but I can't say how much yet. But, I did want to let both Mike and  
>Keith Alverson (PAGES Exec Dir) know the status of funding for both  
>Mike and me.

>

>Can you please send an email to us all confirming all is ok with this, and  
>also letting us know how the funding/reimbursement will be handled.

>

>Thanks!

>

>Cheers, Peck

>--

>Jonathan T. Overpeck

>Director, Institute for the Study of Planet Earth Professor, Department  
>of Geosciences

>

>Mail and Fedex Address:

>

>Institute for the Study of Planet Earth

>715 N. Park Ave. 2nd Floor  
>University of Arizona  
>Tucson, AZ 85721  
>direct tel: +1520 622-9065  
>fax: +1520 792-8795  
>[http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html)  
><http://www.ispe.arizona.edu/>

Dr. David M. Legler I 202 314-2237 Office  
US CLIVAR Office I 202 488-8681FAX  
400 Virginia Ave SW,Suite 750 I 703 923-0139 Home  
Washington DC 20024 I [llegler@usclivar.org](mailto:llegler@usclivar.org) [www.usclivar.org](http://www.usclivar.org)

</x-flowed>

-----  
 From: Sent: To:

Subject:

Michael E. Mann <mann@virginia.edu> Tuesday, April 10, 2001 7:57AM

Me

Fwd: Re: travel to VA and beyond

<html>

<br>

<blockquote type=cite class=cite cite>Date: Tue, 10 Apr 2001 11:57:08 -0400<br> To: Jonathan Overpeck  
&lt;jto@u.arizona.edu&gt;<br>

From: &quot;Michael E. Mann&quot; &lt;mann@virginia.edu&gt;<br>

Subject: Re: travel to VA and beyond<br> <br> Hi Peck,<br> <br> Thanks great news [and bad news:( ]<br>  
<br> I am

very happy though that you guys will be able to make it. Wednesday and Thursday are probably the important for you to me there, so missing Monday isn't so much of a problem.<br> Brenda should be sending out the revised program any time now. The Friday morning discussion was cancelled in favor of Thursday afternoon, but a smaller group of us (including<br> the govt. agency types) might find it convenient to have a smaller private meeting Friday morning?<br>

<br> I'm expect the Amsterdam situation works out. The Congress people seem a bit inept though, and I implied to them that this ineptness could influence future decisions to have conferences there, at least as far as I'm concerned. So perhaps they can work it out. Will keep you posted...<br> <br> I'm interested in talking to you, Julie, and Malcolm at some point on what's going on at Arizona in the near term and the long term...<br>  
<br> mike<br> <br> At 08:34AM

4/10/01-0700, you wrote:<br> <blockquote type=cite class=cite cite>Mike - bad news= good news. We're not going to Nepal, and are very happy in one respect- now we can go to your mtg w/o being all stressed out. We'll have to arrive Tuesday night, so we'll&nbsp;miss the first day. But we can stay through till Friday. Is there still a discussion going on on









Department of Environmental  
Sciences, Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail: [mann@virginia.edu](mailto:mann@virginia.edu) Phone: (804) 924-7770 FAX: (804) 982-2137

<http://www.evsc.virginia.edu/faculty/people/mann.shtml>

<http://www.evsc.virginia.edu/faculty/people/mann.shtml>

From: Sent: To:

Cc:

Subject:

Jonathan Overpeck <[jto@u.arizona.edu](mailto:jto@u.arizona.edu)>

Monday, April 09, 2001 12:50 PM David Legler

Keith Alverson; [mann@multiproxy.evsc.virginia.edu](mailto:mann@multiproxy.evsc.virginia.edu)

Travel to Amsterdam for CUVAR/PAGES WG Mtg

<x-flowed>

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direct tel: +1520 622-9065 fax: +1520 792-8795

[http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html) <http://www.ispe.arizona.edu/>

</x-flowed>

From: Sent: To:

Cc:

Subject:

Malcolm K. Hughes <mhughes@ltrr.arizona.edu> Friday, April 06, 2001 5:43 PM

Brenda W. Morris

Mkhughesl@aol.com;mhughes@lrr.arizona.edu; mann@virginia.edu

Re: Resent Messages

Dear Brenda -many thanks,I got the messages loud and clear, Malcolm

Quoting "Brenda W. Morris" <bwm6q@virginia.edu>:

> Dr. Hughes,

>

>Did you receive the message that I sent to you late last night?

> Anyway,I'm sending the messages again, and in case you are unable to

>open the attachments, I will send the messages below. Please for the

> \*\*\*\*\* to denote the end of one message and the beginning of the other one.

> Please let me know which of your email addresses is the better one for

> me to use.

>

>Brenda

>

> FIRST MESSAGE:

>

> March 10, 2001

>

>

>

>

> Dear Colleague:

>

> It is my pleasure to invite you to a workshop Reconstructing Late

> Holocene Climate, to take place in Charlottesville, Virginia, 17-19

> April 2001.

> The

> aim of the workshop is to investigate current applications of

> statistical, empirical and model-based methods to the general problem

> of paleoclimate reconstruction over the past few thousand years.

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> This meeting is an official PAGES/CLIVAR event, and will address

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> assimilation with numerical models, limitations and strengths in the

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> Best Regards,

>

>

>

>

>

> Michael E. Mann

>

>

> ADDITIONAL INFORMATION:

>

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> provide receipts for all activities to be reimbursed. The policy is

> STRICTLY

> followed: per diem is not paid--receipts ARE needed for meals. Items

> such as car rentals, alcohol, and museum tickets are not covered. You

>are funded through NSF and as you know they have strict rules for the  
> use of their funds.  
>  
> You can book the airfare yourself or you can book your ticket through  
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>  
>Registration Fee: There will be a \$35.00 conference registration fee.  
>This  
>should be paid to Ms.Brenda Morris upon registration.  
>  
>Host and convener:  
  
> Michael Mann, U of Virginia,USA (mann@virginia.edu) European  
>co-conveners:  
> Hans von Storch,GKSS Research Centre,Germany (storch@gkss.de)  
> Nanne Weber KNMI, The Netherlands (weber@knmi.nl)  
> Heinz Wanner,U of Bern,Switzerland (wanner@giub.unibe.ch)  
>  
> Meeting Location(s):  
>  
>The meeting will be held on-grounds of the University of Virginia. We  
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>

>

>

>

> Meals and Food:

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>attractions are Monticello {the home of Thomas Jefferson), the Blue

> Ridge Mountains (less than an hour's drive), colonial Williamsburg (a couple hours'

> drive),

>and Washington DC (a couple hours' drive). For information on local

>sights and events, log on to [www.virginia.edu](http://www.virginia.edu) and then choose "Things

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>

>

>\*\*\*\*\*

>

> Reconstructing Late Holocene Climate

>

> Charlottesville, Virginia

> April 17-20, 2001

>

> A scientific workshop sponsored by PAGES/CLIVAR, NSF and NOAA (Earth

> Systems History, United States), NRP (Netherlands), and GKSS (Germany)

>

> Day 1: Tuesday April 17

>

> 8:45 AM: Refreshments;

> Welcoming Remarks (M. Mann; H. von Storch) Logistics (Brenda Morris)

>

> 9:00 AM SESSION 1: Climate Reconstructions of the North Atlantic and

> Neighboring Regions (Session Chair: K. Briffa; Rapporteur: K. Hughen)

>

> J. Guiot (30 min)

> and

> Proxy Data

>

> O. Nordli

Reconstruction of European Climate from Historical

Norwegian Norpast project

> H. Miller

> Northern

## Reconstruction of Climate/Atmospheric Variability from

- >Greenland Ice Cores

- > M. Schwab European Terrestrial Records and Correlation w/ Greenland Ice

- >Cores

- > M Barriendos Historical Documentary Evidence from Southern Europe

- >

- > 10:50-11:10 AM Coffee & Refreshments

- >

- > R. Brazdil

- >during

- >the past

- > J. Luterbacher variability

- > (1500-2000)

## Documentary data and its use for climate reconstructions

millenium in Europe

Reconstruction of Atlantic-European climate

- >H.Wanner

- > (1500-2000)

- > F. Gonzalez-Rouco

- >Chronologies

- >E.Cook

- >

Preferred Modes of Atlantic-European winter climate

## North Atlantic Climate Variability in Tree Ring

### Proxy-Based Reconstructions of North Atlantic Climate

> 12:50 Discussion (led by H. Wanner)

>

>1:10PM: Break for Lunch

>

>2:30PM SESSION 2:Drought Reconstructions (Session Chair:E. Cook;

>Rapporteur:M. Evans)

>

> M.Hughes (30 min)

>

>C. Woodhouse

>A. Schwalb

> Plains, USA

>

### Multidecadal Drought in Western North America

#### Continental U.S. Drought Reconstructions

#### Late Holocene Centennial Drought Cyclicality in the Great

> 3:40-4:00 PM Coffee & Refreshments

>

> K. Laird

> J. Negendank

>H. Weiss

4200 BP

Droughts in Eastern Equatorial Africa

Climate Oscillations in Varved Lake Records

Abrupt Holocene Climate Change Events at 8200,5200,

>5:00PM Discussion (led by J. Overpeck)

>

> 5:20 PM Break for Day

>

> Day 2: Wednesday April 18

>

> 8:45AM Refreshments

>9:00AM SESSION 3: Records of ENSO and tropical Variability (Session

>Chair:

> M. Mann; Rapporteur: S. Rutherford)

>

> M.Cane (30 min)

>

> J. Cole

> M. Evans

> K. Hughen

>

Use of paleorecords in understanding ENSO dynamics

Coral Records of Tropical Climate Variability Reconstructions of Tropical Pacific Variability Sediment  
Records of Tropical Atlantic Variability

> 10:30 AM Discussion (led by J. Cole)

>

> 10:50-11:10 AM Coffee & Refreshments

>

> 11:10 AM SESSION 4: Large-Scale Climate Reconstruction (Session Chair:

> M.

> Mann; Rapporteur: J. Luterbacher)

>

> R. Bradley (30 min)          Multiproxy Reconstructions of Past Climate

> Variability

>

> K. Briffa

Tree Ring

> Density

> J. Jones

>

Large-scale Temperature Reconstructions Based on

A tree-ring Based Estimate of the Antarctic Oscillation

> 12:20 PM: Break for Lunch

>

>1:40PM SESSION 4 (CONT): Large-Scale Climate Reconstruction

>{Session

>Chair: R. Bradley;Rapporteur:J. Luterbacher)

>

>A. Kaplan

>Corals

> S. Rutherford

> Reconstruction

>

Large-scale Climate Reconstruction with Tree Rings and

Methodological Approaches to Multiproxy Climate

>2:20PM Discussion {led by M. Mann)

>

>2:40PM SESSION 5: Forced Climate Variability in Past Centuries

>(Session

>Chair:A. Kaplan;Rapporteur: B. Reichert)

>

> T. Crowley (30 min)            Modeling Climate Change over the Past 1000 Years

>

> 3:10-3:30 PM Coffee & Refreshments

>

> J. Overpeck



> J. Lean

Centuries

> H. Renssen

>F. Wagner

>

Climate Forcing and Response in Past Centuries

Reconstructions of Solar Forcing in Past

Solar Variability: Model/Data Intercomparison

CO2 reconstructions based on leaf stomata

>4:50PM Discussion (led by R. Webb)

>

>5:10PM Break for Day

>

> Day 3: Thursday April 19

>

> 8:45 AM Refreshments

>

>9:00AM SESSION 6: Model/ Paleodata Comparison: Part 1 (Session Chair:

> J.

> Jones; Rapporteur: M Widmann)

>

>H. Von Storch (30 min)

>Forced,

>and Data-Assimilated Runs

>

## Paleoclimate Modeling Strategies using Free,

- > N. Weber
- > Intercomparison
- > G. Van de Schrier

## Intermediate Complexity Modeling and Model/Data

## Sea-level/climate variability: ECBilt model results

- >and
- >comparison w/ paleodata
- > M Widmann Climate Model Assimilation w/ Paleodata Using Pattern Nudging
- >
- > 10:30 AM Discussion (led by J. Jones)
- >
- > 10:50-11:10 AM Coffee & Refreshments
- >
- > 11:10 PM SESSION 7: Model/ Paleodata Comparison: Part 2 (Session Chair: >A.
- >Schwalb; Rapporteur: G. Van de Schrier)
- >
- > R. Webb (30 min)
- > Variability
- >

## Comparison of Modeled and Observed Holocene Climate

> D. Handorf Natural Variability of Atmospheric Circulation Regimes in

> Coupled Models

> B. Reichert Paleo Downscaling/Model Assimilation

>

> 12:20 PM Discussion (led by H. von Storch)

>

> 12:40 PM Break for Day

>

> 5:30-7:00 PM Reception, Mural Room, Clark Hall

>

>

> Day 4: Friday April 20

>

> 9:00 AM Informal discussion of future paleoclimate research priorities

> and directions.

>

> 12:00 END OF WORKSHOP

>

>

> \*\*\*\*\*

> Dr. David Battisti

> Dr. Raymond S. Bradley

> Dr. Mark A. Cane

> Dr. Julie Cole

> Dr. Edward Cook

> Dr. Thomas Crowley

> Dr. Barbara Deluisi

> Dr. C. Mark Eakin

- > Dr. Michael Evans
- > Dr. Konrad A. Hughen
- > Dr. Malcolm Hughes
- > Dr. Alexey Kaplan
- > Dr. Judith Lean
- > Dr. Michael Mann
- > Dr. Christopher Miller
- > Mr. Chris May
  
- > Dr. Jonathan Overpeck
- > Dr. Bernhard K.Reichart
- > Dr. Scott Rutherford
- > Dr. Anthony Succi
- > Dr. EdwardS.Sarachik
- > Dr. David Verardo
- > Dr. Robert S.Webb
- > Dr. Harvey Weiss
- > Dr. Connie Woodhouse
- > Dr. Mariano Barriendos
- > Dr. Rudolf Brazdil
- > Dr. Keith Briffa
- > Dr. Hans-Juergen Donath
- > Dr. Francoise Gasse
- > Dr. J.Fidel Gonzalez-Rouco
- > Dr. Joel Guiot
- > Dr. Doerthe Handorf
- > Dr. Julie M. Jones
- > Dr. Kate Laird
- > Dr. Juerg Luterbacher
- > Dr. Heinz Miller

- > Dr. Joerg Negendank
- > Dr. Oyvind Nordli
- > Dr. JuergenPaetzold
- > Dr. Hans R enssen
- > Dr. Petter Sejrup
- > Dr. Gerhard Schleser
- > Dr. Antje Schwalb
- > Dr. Markus J. Schwab
- > Dr. Gerard van der Schrier
- > Dr. Hans von Storch
- > Dr. Frederieke Wagner
- > Prof. Heinz Wanner
- > Dr. S. L (Nanne) Weber
- > Dr. Martin Widmann
- >
- >
- >
- >

Professor Malcolm K. Hughes Laboratory of Tree-Ring Research W.Stadium 105  
University of Arizona Tucson,AZ 85721 phone 520-621-6470 fax 520-621-8229

From: Sent: To:

Cc:

Subject:

Brenda W. Morris <bwm6q@virginia.edu> Friday, April06, 2001 3:30 PM Mkhughes1@aol.com;  
mhughes@lrr.arizona.edu mann@virginia.edu

Resent Messages

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Host and convener:

Michael Mann, U of Virginia, USA (mann@virginia.edu) European co-conveners: Hans von Storch,GKSS Research Centre,Germany (storch@gkss.de)

Nanne Weber KNMI,The Netherlands (weber@knmi.nl)

Heinz Wanner, U of Bern,Switzerland (wanner@giub.unibe.ch) Meeting location(s):

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\*\*\*\*\*

# Reconstructing Late Holocene Climate

Charlottesville, Virginia

April 17-20, 2001

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8:45 AM: Refreshments;

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J. Guiot (30 min) Proxy Data

Reconstruction of European Climate from Historical and

O. Nordli Norwegian Norpast project

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J. Luterbacher

(1500-2000) H. Wanner

F. Gonzalez-Rouco

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E. Cook Proxy-Based R eonstrutions of North Atlantic Climate

12:50 Discussion (led by H. Wanner)

1:10 PM: Break for Lunch

2:30PM SESSION 2: Drought Reconstructions (Session Chair: E. Cook; Rapporteur: M. Evans)

M. Hughes (30 min)

c. Woodhouse A. Schwalb Plains, USA

Multidecadal Drought in Western North America

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Late Holocene Centennial Drought Cyclicality in the Great

3:40-4:00 PM Coffee & Refreshments

K. Laird Droughts in Eastern Equatorial Africa

J. Negendank Climate Oscillations in Varved Lake Records

H. Weiss Abrupt Holocene Climate Change Events ;:t 8200,5200, 4200 BP

5:00 PM Discussion (led by J. Overpeck)

5:20 PM Break for Day

Day 2: Wednesday April 18

8:45 AM Refreshments

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M. Cane (30 min)

J. Cole

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Use of paleorecords in understanding ENSO dynamics

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A. Kaplan

S. Rutherford

Large-scale Climate Reconstruction with Tree Rings and Corals

Methodological Approaches to Multiproxy Climate Reconstruction

2:20PM Discussion (led by M. Mann)

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Chair: A.Kaplan;Rapporteur: B. Reichert)

T. Crowley (30 min) Modeling Climate Change over the Past 1000 Years

3:10-3:30 PM Coffee & Refreshments

J.Overpeck

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H. Renssen

F. Wagner

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H. Von Storch (30 min) Paleoclimate Modeling Strategies using Free, Forced, and Data-Assimilated Runs

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G. Van de Schrier Sea-level/climate variability: ECBilt model results and comparison w/ paleodata

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D.Handorf    Natural Variability of Atmospheric Circulation Regimes in  
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5:30-7:00 PM Reception, Mural Room, Clark Hall

Day 4: Friday April 20

9:00AM Informal discussion of future paleoclimate research priorities and directions.

12:00 END OF WORKSHOP

\*\*\*\*\*



Dr. David Battisti

Dr. Raymond S. Bradley

Dr. Mark A. Cane

Dr. Julie Cole

Dr. Edward Cook

Dr. Thomas Crowley Dr. Barbara Deluisi Dr. C. Mark Eakin

Dr. Michael Evans

Dr. Konrad A. Hughen Dr. Malcolm Hughes Dr. Alexey Kaplan

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Dr. Michael Mann

Dr. Christopher Miller

Mr. Chris Moy

Dr. Jonathan Overpeck Dr. Bernhard K. Reichert Dr. Scott Rutherford

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Dr. Joel Guiot

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Dr. Oyvind Nordli Dr. Juergen Paetzold Dr. Hans Renssen Dr. Petter Sejrup  
Dr. Gerhard Schleser  
Dr. Antje Schwalb  
Dr. Markus J. Schwab  
Dr. Gerard van der Schrier  
Dr. Hans von Storch  
Dr. Frederieke Wagner  
Prof. Heinz Wanner  
Dr. S. L (Nanne) Weber  
Dr. Martin Widmann

Attachment Converted: "C:\WINDOWS\DESKTOP\Attach\invite.doc"

Attachment Converted: "C:\WINDOWS\DESKTOP\Attach\program-draft4pt02.doc"

From: Sent: To:

Subject:

Brenda W. Morris <bwm6q@virginia.edu> Thursday, March 29, 2001 1:20 PM mann@virginia.edu

Fwd: Re: HLHC Workshop

<x-flowed>

>From: David Battisti <david@atmos.washington.edu>

>Subject: Re:HLHC Workshop

>To:"Brenda W. Morris" <bwm6q@virginia.edu>

>Date:Tue,27 Mar 2001 18:20:54 -0800 (PST)

>X-Mailer: ELM [version 2.5 PL2)

>

>I deeply regret that I can't come due to some family conflicts (and I  
>am teaching two courses).

>

>I will look forward to seeing Prof. Mann in Seattle in early May,however.

>

>Cheers, David

>

>

>>

>> Hello everyone,

>>

>>Dr.Mann has finalized the program for the Reconstructing Late

>> holocene Climate Workshop. I am attaching it below since some of

>> you may not be able to easily open an attachment. Some of you have

>> indicated that you would like to see a list of attendees, so I am also including the list.

>>

>> I am looking forward to meeting each of you in April.

>>

>> Brenda Morris

>>

>>

>>\*\*\*\*\*. ....

>>

>> Reconstructing Late Holocene Climate

>>

>> Charlottesville, Virginia

>> April 17-20, 2001

>>

>> A scientific work shop sponsored by PAGES/CLIVAR, NSF and NOAA

>> (Earth Systems History, United States}, NRP (Netherlands), and GKSS

>> (Germany)

>>

>> Day 1: Tuesday April 17

>>

>> 8:45 AM: Refreshments;

>> Welcoming Remarks (M. Mann; H. von Storch) Logistics (Brenda Morris)

>>

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>> 12:50 Discussion {led by H. Wanner)

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>> 1:10PM: Break for lunch

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>> M. Hughes (30 min)      Multidecadal Drought in Western North America

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>>A. Kaplan Large-scale Climate Reconstruction with Tree

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>> S. Rutherford Methodological Approaches to Multiproxy Climate

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>>

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>>

>>2:40PM SESSION 5: Forced Climate Variability in Past Centuries

>>(Session

>>Chair: A. Kaplan; Rapporteur: B. Reichert)

>>

>> T. Crowley (30 min) Modeling Climate Change over the Past 1000 Years

>>

>> 3:10-3:30 PM Coffee & Refreshments

>>

>> J. Overpeck

>>J. Lean

>Centuries

>>H. Renssen

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>>



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>> \*\*\*●\*\*\*\*\*●\*\*\*\*\* \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* \*\*\*\*\*

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>> Dr. Markus J. Schwab  
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>> Dr. Hans von Storch  
>> Dr. Frederieke Wagner  
>> Prof. Heinz Wanner  
>> Dr. S. L. (Nanne) Weber  
>> Dr. Martin Widmann

>>

>>

>

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>--

>

>

>David Battisti

>(206) 543-2019

>or in JISAO

>(206) 685-7457

>

EMAIL: david@atmos.washington.edu

FAX: (206) 543-0308

>Professor of Atmospheric Sciences

> and Director of JISAO

>Dept of Atmospheric Sciences

>University of Washington

>Box 351640

>Seattle WA 98195-1640

>

><http://www.atmos.washington.edu/david>

</x-flowed>

From: Sent: To: Cc:

Subject:

Brenda W. Morris <bwm6q@virginia.edu> Tuesday, March 27, 2016:12 PM

Bernhard Reichert

mann@virginia.edu

RE: HLHC Workshop

I apologize for my mistake in spelling your name. I will certainly correct it.

Your message will be sent to Dr. Mann and I don't think he will have a problem with changing the title of your talk. I'm sure he will respond when he is back in his office at the end of this week.

Looking forward to meeting you In Charlottesville! Brenda

At 04:54 PM 3/26/2016-0600, you wrote:

>Dear Brenda,

>

>thanks for the program. I would just like to mention that my name is

>spelled wrong throughout the text. My laslname is Reichert (not

>Reichart), could you please correct this?

>

>I would also like to slightly change the title that Mike Mann has

>chosen for my talk scheduled on Thursday, April 10th in Session 7. The new title is:

>

>Process-based modeling of paleoclimatic proxy records using downscaled

>GCMs

>

>Thanks a lot,

>

> Bernhard

>

>

>

> Bernhard K. Reichert

> Lamont-Doherty Earth Observatory of Columbia University

> Oceanography Building, Room 1030

> 61Route 9W, Palisades, New York 10964, USA

> Work:+1-845-365-8911,Fax: +1-845-365-8736

> Email: reichert@ldeo.columbia.edu

> URL: <http://www.ldeo.columbia.edu/reichert>

>

>

>

>-----Original Message---

>From: Brenda W. Morris [mailto:[bwm6q@virginia.edu](mailto:bwm6q@virginia.edu)]

>Sent:Monday, March 26, 20015:10AM

>To: [david@atmos.washington.edu](mailto:david@atmos.washington.edu); [rbradley@geo.umass.edu](mailto:rbradley@geo.umass.edu);

>[cane@columbia.edu](mailto:cane@columbia.edu);[jcole@geo.arizona.edu](mailto:jcole@geo.arizona.edu);[drdendro@ldeo.columbia.edu](mailto:drdendro@ldeo.columbia.edu);

>[tom@ocean.tamu.edu](mailto:tom@ocean.tamu.edu);[barb@cdc.noaa.gov](mailto:barb@cdc.noaa.gov);[mark.eakin@noaa.gov](mailto:mark.eakin@noaa.gov);

>[mevans@ltrr.arizona.edu](mailto:mevans@ltrr.arizona.edu);[khughen@whoi.edu](mailto:khughen@whoi.edu); [mhughes@ltrr.arizona.edu](mailto:mhughes@ltrr.arizona.edu);

>[alexeyk@rosie.ldeo.columbia.edu](mailto:alexeyk@rosie.ldeo.columbia.edu); [jlean@ssdS.nrl.navy.mil](mailto:jlean@ssdS.nrl.navy.mil);

>[mann@virginia.edu](mailto:mann@virginia.edu); [miller@ogp.noaa.gov](mailto:miller@ogp.noaa.gov); [christopher.moy@noaa.gov](mailto:christopher.moy@noaa.gov);

>jto@u.arizona.edu; reichert@rosie.ldeo.columbia.edu;  
>srutherford@virginia.edu; socci.tony@epa.gov;  
>sarachik@atmos.washington.edu;dverardo@nsf.gov;rwebb@cdc.noaa.gov;  
>harvey.weiss@yale.edu; woodhouse@ngdc.noaa.gov; mbarri@retemail.es;  
>brazdil@porthos.geogr.muni.cz; hans-juergen.donath@dlr.de;  
>gass@cerege.fr;fidel@gkss.de;Joei.Guiot@vmesa12.u-3mrs.fr;  
>dhandorf@awi-potsdam.de;jones@gkss.de; lairdk@biology.queensu.ca;  
>juerg@giub.unibe.ch; oyvind.nordli@dnmi.no;  
>juergen.paetzold@uni-bremen.de; rensen@astr.ucl.ac.be;  
>g.schleser@fz-juelich.de; schwalb@gfz-potsdam.de;  
>mschwab@gfz-potsdam.de; schrier@knmi.nl; storch@gkss.de;  
>r.wagner@bio.uu.nl; wanner@giub.unibe.ch; weber@knmi.nl;  
>widmann@gkss.de; jgiesler@agu.org

>Subject: HLHC Workshop

>

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>Charlottesville, Virginia

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>

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>

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>

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>Dr. Judith Lean

>Dr. Michael Mann

>Dr. Christopher Miller

>Mr.

>Dr.

>Dr.

>Dr.

>Dr.



>Dr.

>Dr.

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Chris Moy

Jonathan Overpeck Bernhard K.Reichart Scott Rutherford Anthony Succi EdwardS. Sarachik David Verardo  
Robert S.Webb Harvey Weiss Connie Woodhouse Mariano Barriendos Rudolf Brazdil

Keith Briffa

Hans-Juergen Donath

Francoise Gasse

J. Fidel Gonzalez-Rouco

Joel Guiot Ooerthe Handorf Julie M. Jones Kate Laird

Juerg Luterbacher

Heinz Miller Joerg Negendank Oyvind Nordli JuergenPaetzold Hans Renssen Petter Sejrup Gerhard Schleser  
Antje Schwalb Markus J. Schwab

Gerard van der Schrier Hans von Storch Frederieke Wagner Heinz Wanner

S. L(Nanne) Weber

Martin Widmann

From: Sent: Subject:

Brenda W. Morris <bwm6q@virginia.edu> Monday, March 26, 2001 6:10AM

HLHC Workshop

Hello everyone,

Dr. Mann has finalized the program for the Reconstructing Late holocene Climate Workshop. I am attaching it below since some of you may not be able to easily open an attachment. Some of you have indicated that you would like to see a list of attendees, so I am also including the list.

I am looking forward to meeting each of you in April. Brenda Morris

\*\*\*\*\*

## Reconstructing Late Holocene Climate

Charlottesville, Virginia

April 17-20, 2001

A scientific workshop sponsored by PAGES/CLIVAR, NSF and NOAA (Earth Systems History, United States), NRP (Netherlands), and GKSS (Germany)

Day 1: Tuesday April 17

8:45AM: Refreshments;

Welcoming Remarks (M. Mann; H. von Storch) Logistics (Brenda Morris)

9:00AM SESSION 1: Climate Reconstructions of the North Atlantic and Neighboring Regions (Session Chair: K. Briffa; Rapporteur: K. Hughen)

J. Guiot (30 min)

Proxy Data

Reconstruction of European Climate from Historical and

O. Nordli Norwegian Norpast project

H. Miller Reconstruction of Climate/Atmospheric Variability from Northern  
Greenland Ice Cores

M. Schwab European Terrestrial Records and Correlation w/ Greenland Ice Cores

M Barriendos Historical Documentary Evidence from Southern Europe

10:50-11:10 AM Coffee & Refreshments

R. Brazdil the past

J. Luterbacher

{1500-2000}

Documentary data and its use for climate reconstructions during millenium in Europe

Reconstruction of Atlantic-European climate variability

H.Wanner

F. Gonzalez-Rouco

Chronologies

Preferred Modes of Atlantic-European winter climate (1500-2000) North Atlantic Climate Variability in Tree  
Ring

E.Cook Proxy-Based Reconstructions of North Atlantic Climate

12:50 Discussion (led by H. Wanner)

1:10PM: Break for Lunch

2:30 PM SESSION 2:Drought Reconstructions (Session Chair: E.Cook; Rapporteur: M. Evans)

M.Hughes (30 min) Multidecadal Drought in Western North America

C. Woodhouse

A. Schwalb

Plains,USA

Continental U.S. Drought Reconstructions

late Holocene Centennial Drought Cyclicality in the Great

3:40-4:00 PM Coffee & Refreshments

K. Laird Droughts in Eastern EquatorialAfrica

J. Negendank Climate Oscillations in Varved Lake Records

H.Weiss Third Millennium BC Drought and the Collapse of the Acadian Empire

5:00 PM Discussion (led by J . Overpeck)

5:20PM Break for Day

Day 2: Wednesday April18

8:45 AM Refreshments

9:00AM SESSION 3: Records of ENSO and tropical Variability (Session Chair: M. Mann; Rapporteur: S. Rutherford)

M. Cane (30 min) Use of paleorecords in understanding ENSO dynamics

J. Cole

M. Evans

K. Hughen

Coral Records of Tropical Climate Variability

Reconstructions of Tropical Pacific Variability

Sediment Records of Tropical Atlantic Variability

10:30 AM Discussion (led by J. Cole)

10:50-11:10 AM Coffee & Refreshments

11:10 AM SESSION 4: Large-Scale Climate Reconstruction (Session Chair: M. Mann; Rapporteur: J. Luterbacher)

R. Bradley ( 30 min) Multiproxy Reconstructions of Past Climate Variability

K. Briffa

J.Jones

Large-scale Temperature Reconstructions Based on Tree Ring Density

A tree-ring Based Estimate of the Antarctic Oscillation

12:20 PM: Break for Lunch

1:40PM SESSION 4 (CONT): Large-Scale Climate Reconstruction (Session

Chair:R.Bradley; Rapporteur:J. Luterbacher}

A. Kaplan

S. Rutherford

Large-scale Climate Reconstruction with Tree Rings and Corals

Methodological Approaches to Multiproxy Climate Reconstruction

2:20PM Discussion (led by M. Mann)

2:40PM SESSION 5: Forced Climate Variability in Past Centuries {Session

Chair: A. Kaplan;Rapporteur: B. Reichert}

T. Crowley (30 min) Modeling Climate Change over the Past 1000 Years

3:10-3:30 PM Coffee & Refreshments

J. Overpeck

J. lean

H. Renssen

F. Wagner

Climate Forcing and Response in Past Centuries Reconstructions of Solar Forcing in Past Centuries Solar Variability: Model/Data Intercomparison

CO2 reconstructions based on leaf stomata

4 :50PM Discussion (led by R. Webb}

5:10PM Break for Day

Day 3: Thursday April19

8:45AM Refreshments

9:00AM SESSION 6: Model/ Paleodata Comparison: Part 1(Session Chair: J.

Jones; Rapporteur:M Widmann}

H. Von Storch (30 min) Paleoclimate Modeling Strategies using Free, Forced, and Data-Assimilated Runs

N.Weber Intermediate Complexity Modeling and Model/Data Intercomparison

G. Van de Schrier Sea-level/climate variability:ECBilt model results and comparison w/ paleodata



M Widmann Climate Model Assimilation w/ Paleodata Using Pattern Nudging

10:30 AM Discussion (led by J. Jones)

10:50-11:10 AM Coffee & Refreshments

11:10 PM SESSION 7: Model/ Paleodata Comparison: Part 2 (Session Chair: A. Schwalb; Rapporteur: G. Van de Schrier)

R. Webb (30 min)

Variability

Comparison of Modeled and Observed Holocene Climate

D. Handorf Natural Variability of Atmospheric Circulation Regimes in

Coupled Models

B. Reichert Paleo Downscaling/Model Assimilation

12:20 PM Discussion (led by H. von Storch)

12:40 PM Break for Day

5:30-7:00 PM Reception, Mural Room, Clark Hall

Day 4: Friday April 20

9:00AM Informal discussion of future paleoclimate research priorities and directions.

12:00 END OF WORKSHOP

\*\*\*\*\*

- Or. David Battisti
- Dr. Raymond S. Bradley
- Dr. Mark A. Cane
- Dr. Julie Cole
- Dr. Edward Cook
- Or. Thomas Crowley Dr. Barbara Deluisi Dr. C. Mark Eakin
- Or. Michael Evans
- Or. Konrad A. Hughen Or. Malcolm Hughes Or. Alexey Kaplan
- Or. Judith Lean
- Or. Michael Mann
- Dr. Christopher Miller
- Mr. Chris Moy
- Dr. Jonathan Overpeck Dr. Bernhard K. Reichert Dr. Scott Rutherford
- Or. Anthony Succi
- Or. Edward S. Sarachik
- Dr. David Verardo Or. Robert S. Webb Or. Harvey Weiss
- Or. Connie Woodhouse Dr. Mariano Barriendos Or. Rudolf Brazdil
- Dr. Keith Briffa

Or. Hans-Juergen Donath  
Dr. Francoise Gasse  
Dr. J. Fidel Gonzalez-Rouco  
Dr. Joel Guiot  
Or. Doerthe Handorf  
Dr. Julie M. Jones  
  
Dr. Kate Laird  
Dr. Juerg Luterbacher  
Dr. Heinz Miller  
Dr. Joerg Negendank  
Dr. Oyvind Nordli Dr. Juergen Paetzold Or. Hans Renssen  
Dr. Petter Sejrup  
Dr. Gerhard Schleser Or. Antje Schwalb Dr. Markus J. Schwab  
Dr. Gerard van der Schrier  
Or. Hans von Storch  
Dr. Frederieke Wagner  
Prof. Heinz Wanner  
Dr. S. L (Nanne) Weber  
Dr. Martin Widmann

From: Sent: To:

Subject:

Gavin Schmidt <gschmidt@giss.nasa.gov> Monday, August 19, 2002 10:13 AM mann@virginia.edu

Euresco

Bern, 15 August 2002

Invitation to the 2nd Euroconference "Achieving Climate Predictability Using Paleoclimate Data" Barcelona (Spain), October 11-16, 2003

Dear Gavin

With this email I would like to invite you to be a speaker at the second Euroconference "Achieving Climate Predictability Using Paleoclimate Data", to be held near Barcelona (Spain) from October 11 to 16, 2003. The goal of this conference is to continue to build a platform for scientific exchange between two climate research communities who are working on similar topics but come from different angles. Climate variability and predictability is an important theme in both CUVAR and PAGES, which are the two leading international research initiatives under the umbrellas of WCRP and ICBG, respectively.

We, i.e. Martin Visbeck (Lamont-Doherty, Palisades) and Thomas Stocker (University of Bern) co-chair the organising committee of this meeting, and a draft programme has been formulated. The program covers observational and modeling aspects of climate predictability and attempts to integrate knowledge on past variability into the framework of what we know from present-day observations. Please find the tentative program below this letter.

The European Science Foundation, through the EURESCO program, is handling the administrative and organisational aspects of this conference. In the case of your positive response to our invitation, they will send you an official invitation for the conference with an indication of the expenses that are covered. We are confident, that we will have funding in place for all invited speakers covering the conference fee, accommodation, and travel.

The rules of Euroconferences is that neither abstracts nor papers have to be written before or after the conference. This should stimulate free discussion of maturing research and work in progress among the participants. Therefore, the burden on invited speakers is minimal.

In addition to the invited speakers, we have room for about 70 participants, mainly postdoctoral researchers and advanced PhD students, who will have the opportunity to present posters. To give you an indication, our first conference of this series in 2001 was overbooked by a factor of 4, indicating a strong need for such a platform of exchange.

Martin and I hope that you will be able to participate actively in this conference. Most of the success lies with a strong list of speakers.

We would appreciate if you could let us know by the end of August 2002 whether you are able to accept this invitation. We are looking forward to your reply.

Best regards

Thomas Stocker and Martin Visbeck

Thomas Stocker

Climate and Environmental Physics [stocker@climate.unibe.ch](mailto:stocker@climate.unibe.ch)

Physics Institute, University of Bern phone: +413163144 64

Sidlerstrasse 5 fax: +413163187 42

3012 Bern,Switzerland <http://www.climate.unibe.ch/>"stocker

UNTIL AUGUST 29, 2002:

LSCE-Vaii=E9e, B=E2t. 12,avenue de la Terrasse, F-91198 GIF-SUR-YVffiE CEDEX

T=E91.: +33 169 82 43 62- Fax: +33 169 82 35 68 Room 309

EURESCO CONFERENCE

Achieving Climate Predictability Using Paleoclimate Data

11-16 October 2003

San Feliu de Guixols, Spain

Chair: Thomas Stocker, Physics Institute, University of Bern, Bern, Switzerland Vice-Chair: Martin Visbeck, Lamont- Doherty Earth Observatory, Palisades NY, USA

This conference is the second of a series with the goal to bring closer together two communities working on problems of climate dynamics. Two large international programmes, WCRP and IGBP have two respective core projects which are concerned with climate variability and dynamics. These are WCRP's CLIVAR and IGBP's PAGES. The project to hold consecutive conferences every 2 years was established in a special CLIVAR-PAGES working group, established a few

years ago. Members of this group are Abe-Ouchi (Jp), Briffa (UK), Cane (USA), Claussen (D), Cole (USA), Gagan (Aus), Joussaume (F), Jouzel (F), Mann (USA), Stocker (CH). The first conference took place in November 2001.

## Meeting 2- Draft Programme

### Session 1: Paleoclimate variability of the North Atlantic and beyond- data and models

Nalan Koc - Paleoceanography of the nordic seas Eystein Jansen - Paleoceanographic record of North Atlantic variability Phil Jones- Multiproxy reconstruction of North Atlantic variability Gerald Bond- Cycles during the Holocene; long-term natural variability Giancarlo Bianchi - Holocene periodicity in deep ocean flow south of Iceland Gerald Haug- High- resolution records from the tropical Atlantic J=FCrgen P=E4tzold - High-resolution coral records of climate variability Michael Schulz- Analysis of noisy cyclic paleoclimatic data Gavin Schmidt- Paleoclimate modelling

### Session 2: Modern circulation In the North Atlantic- data and models

Cecilia Mauritzen -Arctic- North Atlantic oceanographic connections Fritz Schott- Observation of deep Atlantic currents Bob Dickson- Ocean circulation in the modern North Atlantic-Arctic system John Marshall - High-resolution ocean models of the North Atlantic Monika Rhein- Observation of deep Atlantic currents

Detlef Stammer- Ocean Reanalysis over the last 50 years Bill Johns- Variability in the Tropical Atlantic Terry Joyce- Decadal Change in the North Atlantic

Session 3: The North Atlantic Oscillation, past, present and future

Hubertus Fischer - Ice core records of the NAO Julian Sachs- High resolution marine records of the NAO J=FCrg Luterbacher - Comparing paleoreconstructions of the NAO Carl Wunsch- Interpretation of short climate records with comments on NAO Andy Baker- NAO in speleothems David Thompson- Statistics of NAM and NAO Martin Visbeck - NAO and ocean circulation Mark Rodwell - NAO predictability James Hurrell - NAO and pressure modes in the summer season Arnaud Czaja - Coupled Air-Sea Interaction in the North Atlantic Carsten Eden- Decadal predictability of the NAO Yochanan Kushnir - Modes of variability in the Atlantic Sector

Session 4: Potential future NA circulation changes and climate predictability

Pascale Delecluse - Modeling and predicting future North Atlantic climate change Susanna Corti- Regime shifts in atmospheric circulation modes Reto Knutti- Ensembles of future changes of the thermohaline circulation Jochem Marotzke- Abrupt climate change: combining models and observations Drew Shindell- Solar variability and climate: the Maunder Minimum John Mitchell- Modeling and predicting future North Atlantic climate change Tim Palmer - Modeling and predicting future North Atlantic climate change Axel Timmermann- Conceptual models of climate variability

Michael Vellinga - Coupled simulations of future circulation changes Richard Seager - Abrupt Climate Change, the Role of

the Atmosphere Rowan Sutton- Changes in the Atlantic MOC and their impacts

Scientific Organizing Committee Chair - Thomas Stocker (Switzerland) Vice-Chair - Martin Visbeck (USA)

Keith Alverson (Switzerland) Phil Jones (UK)

Jean Jouzel (France)

Jonathan Overpeck (USA)

Organization and Management:

The bulk of this section is to be provided by the EURESCO office.

Additional publicity will be made available through the CLIVAR and PAGES International Project Offices including by their newsletters and email list servers.

From: Sent: To: Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Tuesday, June 25, 2002 2:02 PM Walker.Henry@epamail.epa.gov

Jonathan Overpeck; mann@multiproxy.evsc.virginia.edu

Re: Invitation to Estuarine Research Federation meeting Sept 14-18, 2003. Seattle

Washington.

<html>

Hi Henry, Peck: <br>

<br>

Thanks for cc'ing me in on this. Alas, I wouldn't be able to attend this in September '03 anyway. I'll have heavy teaching responsibilities then, and am already committed to missing a week of teaching that October. <br> <br>













(Steve D'Hondt is having me up for a talk at some point ).

I hope all is well. best regards, mike

At 05:13 PM 6/25/02 -0400, Walker.Henry@epamail.epa.gov wrote:

>Thanks Jonathan, but it is not this fall {2002}, but next fall (Sept

>14-18, 2003 in Seattle, Washington) that we are talking about.

>So you can continue to think about the offer and let me know if you are

>interested.

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>I also know Michale Mann (Hi Mike), and have enjoyed involving him in

>another meeting that I've help organize and run at EPA in Research

>Triangle Park. Thanks for suggesting him.

>

>Cheers, Hal Walker

>

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>

> Jonathan

>Overpeck

>

> <jto@u.arizona.ed

> Walker/NAR/USEPA/US@EPA

> u> cc:

To: Henry

> mann@multiproxy.evsc.virginia.edu

> Subject: Re:

> Invitation to Estuarine Research Federation meeting Sept 14-18, 2003.

> 06/25/02 05:55 PM Seattle

> Washington.

>

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>>[http://www.erf.org/biocomplexity/biocomplex\\_home.htm](http://www.erf.org/biocomplexity/biocomplex_home.htm)

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>>We plan to submit a letter proposal for the special session by ERF's

>>June 30th deadline.

>>

>>I am interested in talking with you in more detail.

>>

>>Cheers, Hal Walker

>>

>>(See attached file: ERF-03 Estuarine Trends Sched.xls)



>>

>>Henry A. Walker, PhD

>>U.S. Environmental Protection Agency

>>National Health and Environmental Effects Research Laboratory

>>Atlantic Ecology Division

>>27 Tarzwell Drive

>>Narragansett, R.I. 02882

>>

>>Phone: (401) 782-3134

>>Fax: (401) 782-3030

>>

>>

>>Attachment converted: DoggieWorld:ERF-03 Estuarine Trends Sched.x

>>(XLS4/XCEL) (0003CDF1)

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>--

>Jonathan T. Overpeck

>Director, Institute for the Study of Planet Earth Professor, Department

>of Geosciences

>

>Mail and Fedex Address:

>

>Institute for the Study of Planet Earth

>715 N. Park Ave. 2nd Floor

>University of Arizona

>Tucson, AZ 85721

>direct tel: +1520 622-9065

>fax: +1520 792 -8795

>[http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html)

><http://www.ispe.arizona.edu/>

Professor Michael E. Mann

Department of Environmental Sciences, Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail: [mann@virginia.edu](mailto:mann@virginia.edu) Phone: (434) 924-7770 FAX: (434) 982-2137

<http://www.evsc.virginia.edu/faculty/people/mann.shtml>

</x-flowed>

From: Sent: To:

Cc:

Subject:

[Walker.Henry@epamail.epa.gov](mailto:Walker.Henry@epamail.epa.gov) Tuesday, June 25, 2002 5:13 PM Jonathan Overpeck

[mann@multiproxy.evsc.virginia.edu](mailto:mann@multiproxy.evsc.virginia.edu); [peter@mbi.edu](mailto:peter@mbi.edu); Candace Oviatt

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u> cc: mann@multiproxy.evsc.virginia.edu

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>Henry A. Walker, PhD

>U.S. Environmental Protection Agency

>National Health and Environmental Effects Research Laboratory Atlantic

>Ecology Division

>27 Tarzwell Drive

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>

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>

>

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>(XLS4/XCEL) (0003CDF1)

Jonathan T. Overpeck

Director, Institute for the Study of Planet Earth Professor, Department of Geosciences

Mailand Fedex Address:

Institute for the Study of Planet Earth

715 N. Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721

direct tel:+1520 622-9065 fax: +1520 792-8795 [http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html)  
<http://www.ispe.arizona.edu/>

From: Sent: To:

Cc: Subject:

Jonathan Overpeck <jto@u.arizona.edu> Tuesday, June 25, 2002 5:56 PM Walker.Henry@epamail.epa.gov  
mann@multiproxy.evsc.virginia.edu

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<x-flowed>

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<http://www.ispe.arizona.edu/>

</x-flowed>



From: Sent: To:

Subject:

Jonathan Overpeck <jto@u.arizona.edu>

Friday, June 14, 2002 2:04PM

mann@multiproxy.evsc.virginia.edu; drdendro@ldgo.columbia.edu

CUVAR newsletter and the atlantic

<x-flowed>

Hi Ed and Mike- just in case either of you (or anyone else you know) might have something good (and paleo) for this Atlantic issue, it's a good way to draw attention to your work. I'd be happy to run any ideas by Andreas (editor) if it would help, or you can go to him directly.

Hope your summers are going well. Thx, Peck

>Date: Fri, 14 Jun 2002 08:18:47 +0100

>From: owner-clivar-pages@soc.soton.ac.uk

>

>(8.8.8/1.1.22.3/22Dec99-1047AM)

> id OAA0000013101; Thu, 13 Jun 2002 14:18:31+0200 (MET DST)

>Mime-Version: 1.0

>X-Sender: villwock@plotin.ifm.uni-kiel.de

>Message-Id: <f05100303b92e39ffle22@(134.245.220.145)>

>Date: Thu, 13 Jun 2002 14:18:37 +0200

>To: kelvin@soc.soton.ac.uk, Wenju.Cai@csiro.au,

>thierry.delcroix@noumea.ird.nc,

> freelandhj@pac.dfo-mpo.gc.ca, fksw@jamstec.go.jp, kessler@pmel.noaa.gov,  
> orpa@profc.udec.cl, p.sutton@niwa.cri.nz,vsm@ori.u-tokyo.ac.jp,  
> renhe@rays.cma.gov.cn,rweller@whoi.edu, mcphaden@pmel.noaa.gov,  
> r.r.dickson@cefas.co.uk, jhurrell@ucar.edu, koltermann@bsh.d400.de,  
> jay @soest.hawaii.edu, kushnir@Ideo.columbia.edu, gilles.reverdin@cnes.fr,  
> fschott@ifrn.uni-kiel.de, r.sutton@reading.ac.uk, visbeck@ldeo.columbia.edu,  
> wainer@usp.br,rbos@soc.soton.ac.uk, garzoli@aoml.noaa.gov,  
> m.hood@unesco.org, legler@usgcrp.gov, mechoso@atmos.uc la.edu,  
> ludger@amc.chalmers.se, todd@ogp.noaa.gov, dwallace@ifm.uni-kiel.de,  
> .CiarkeA@mar.dfo-mpo.gc.ca, apiola@hidro.gov.ar, cjr@egs.uct.ac.za,  
> mmccartney@whoi.edu,dxt@soc.soton.ac.uk, tbarnett@ucsd.edu,  
> cdeser@ucar.edu,mehta@atmos.umd.edu,sarachik@atmos.washington.edu,  
> schneide@cola.iges.org,drdendro@ldgo.columbia.edu,  
> lean@demeter.nrl.navy.mil, paul\_epstein@hms.harvard.edu,  
> wallace@atmos.washington.edu, obrien@coaps.fsu.edu, levitus@nodc.noaa.gov,  
> mcane@lamont.ldeo.columbia.edu,mooney@ogp.noaa.gov,  
> gphlder@splash.princeton.edu,sirpa@fram.gsfc.nasa.gov,  
> rlukas@iniki.soest.hawaii.edu, ping@manta.tamu.edu, lagerloef@esr.org,  
> wbwhite@ucsd.edu, Ants.Leetmaa@noaa.gov,marshall@gulf.mit.edu,  
> ghil@cloud.atmos.ucla.edu, jhansen@giss.nasa.gov,  
> mitchum@lolo.marine.usf.edu, yc@pacific.jpl.nasa.gov,  
> mrd@pacific.jpl.nasa.gov,livezey@sgi84.wwb.noaa.gov,mann@virginia.edu,  
> david@atmos.washington.edu, sbp@bom.gov.au, schubert@dao.gsfc.nasa.gov,  
  
> carton@atmos.umd.edu, joel.susskind@gsfc.nasa.gov, pierce@cirrus.ucsd.edu,  
> shukla@cola.iges.org, ragu@essic.umd.edu, niklas@moana.ucsd.edu,  
> yamagata@geoph.s.u-tokyo.ac.jp,rdavis@ucsd.edu,  
> hisashi@geoph.s.u-tokyo.ac.jp, tanimoto@frontier.esto.or.jp,  
> mhughes@ltrr.arizona.edu, b.j.hoskins@reading.ac.uk,gul@gulev.sio.rssi.ru,  
> yhding@public.bta.net.cn, meleshko@main.mgo.rssi.ru,

> sumi@ccsr.u-tokyo.ac.jp, drind@giss.nasa.gov, suarez@janj.usgs.gov,  
> roxana@atmos.umd.edu, droemmich@ucsd.edu, dstammer@ucsd.edu,  
> rgreat@phys.ocean.dal.ca, weaver@ocean.seos.uvic.ca, walsh@atmos.uiuc.edu,  
> sta@ecmwf.int, N.Smith@bom.gov.au, erasmu@atmos.umd.edu,  
> akumar@ncep.noaa.gov, rfine@rsmas.miami.edu,  
> Jochem.Marotzke@soc.soton.ac.uk, molinari@aoml.noaa.gov,  
> rizzoli@ocean.mit.edu, pna@thetis.lodyc.jussieu.fr,  
> david.halpern@jpl.nasa.gov, Gary.Meyers@rmarine.csiro.au,  
> joel.picaut@cnes.fr, hrh@lasg.iap.ac.cn, ekalnay@atmos.umd.edu,  
> blackman@mscan.ucar.edu, andy@atmos.ucla.edu, Jacques.Servain@ird.fr,  
> swwang@pku.edu.cn, yyq@lasg.iap.ac.cn, carton@atmos.umd.edu,  
> nigam@atmos.umd.edu, goswamy@cmmacs.ernet.in, mjury@pan.uzulu.ac.za,  
> hacker@soest.hawaii.edu, bengtsson@dkrz.de, cubasch@dkrz.de,  
> storch@gkss.de,  
> tcjohns@meto.gov.uk, wigley@mscan.ucar.edu, christy@atmos.uah.edu,  
> hanawa@pol.geophys.tohoku.ac.jp, harrison@pmel.noaa.gov,  
> Richard.W.Reynolds@noaa.gov, chris.folland@metoffice.com,  
> aoschlies@ifm.uni-kiel.de, jdengg@ifm.uni-kiel.de,  
> cboening@ifm.uni-kiel.de,  
> rkaese@ifm.uni-kiel.de, jfischer@ifm.uni-kiel.de, lstramma@ifm.uni-kiel.de,  
> usend@ifm.uni-kiel.de, wzenk@ifm.uni-kiel.de,  
> tmuller@ifm.uni-kiel.de  
> From: Andreas Villwock <avillwock@ifm.uni-kiel.de>  
> Subject: CLIVAR Exchanges: Call for Contributions  
> Cc: clivar-monsoon@clivar.org, clivar-pages@clivar.org,  
> clivar-wgcm@clivar.org,  
> clivar-wgsip@clivar.org, clivar-ssg@clivar.org, clivar-vamos@clivar.org,  
> clivar-africa@clivar.org, ICPO Staff  
> members;;;@plotin.ifm.uni-kiel.de  
> Content-Type: multipart/alternative;

>boundary=-"=====--1188151711==\_ma=====--"

>X-Virus-Scanned: by AMaViS perl-11{Uni-Kiel/nms)

>X-MaiiScanner: Found to be clean

>Sender: owner-clivar-pages@mail.soc.soton.ac.uk

>Precedence: bulk

>

>-----1188151711==\_ma-----

>Content-Type: text/plain;charset="us-ascii" ; format="flowed"

>

>Dear colleagues,

>

>we would like to invite the CLIVAR community to submit papers for the  
>next issue of CLIVAR Exchanges.

>

>The overarching theme will be on science related to CLIVAR Atlantic,  
>e.g., all aspects of THC,NAO, MOC, etc.).

>

>The deadline for this issue is August 1, 2002. The printed version is  
>expected to be distributed in September.

>

>Please note that contributions have to match with the guidelines for  
>the submission of papers which can be found under:

><http://www.clivar.org/publications/exchanges/guidel.htm>

>

>CLIVAR Exchanges is an UN-REFEREED publication. The articles that we  
>accept often present preliminary results or summaries and are of  
>limited length -contributions should NOT exceed a total of 3 pages,  
>INCLUDING figures.

>

>If you are interested to submit a paper, please indicate this with a

>tentative title as soon as possible to avillwock@ifm.uni-kiel.de.

>

>We are looking forward to receive your contributions for another

>interesting issue of CLIVAR Exchanges.

>

>Please feel free to distribute this call amongst your colleagues.

>Sorry for multiple posting.

>

>Thank you very much in advance for your efforts.

>

>Best regards

>

>Andreas Villwock

>--

>\*\*\*\*\*

>\*

>

> Dr. Andreas Villwock

> International CLIVAR Project Office

> c/o Institut fuer Meereskunde

> Universitaet Kiel

> Duesternbrooker Weg 20

> D-24105 Kiel

> Germany

>

> Phone: +49-431/600-4122

> Fax: +49-431/600-1515

> e-mail: avillwock@ifm.uni-kiel.de

> WWW: <http://www.clivar.org>

>\*\*\*\*\*

>\* -----\_1188151711==\_ma=====

>Content-Type: text/html; charset="us-ascii"

>

><!doctype html public "-//W3C//DTD W3 HTML//EN"> <html><head><style

>type="text/css"><!-- blockquote, dl, ul,ol, li {padding-top:0;

>padding-bottom: 0}

> --></style><title>CLIVAR Exchanges:Call for

>Contributions</title></head><body>

><div>Dear colleagues,</div>

><div><br></div>

><div>we would like to invite the CLIVAR community to submit papers for

>the next issue of CLIVAR Exchanges.</div> <div><br></div> <div>The

>overarching theme will be on science related to<b> CUVAR Atlantic,

>e.g.,all aspects ofTHC,NAO,MOC</b>, etc.).</div> <div><br></div>

><div>The deadline for this issue is<b> August 1, 2002</b>.The printed

>version is expected to be distributed in September.</div>

><div><br></div> <div>Please note that contributions have to match with

>the guidelines for the submission of papers which can be found

>under:</div>

><div><http://www.clivar.org/publications/exchanges/guidel.htm></div>

><div><br></div>

><div>CUVAR Exchanges is an UN-REFEREED publication. The articles that

>we accept often present preliminary results or summaries and are of

>limited length -contributions should NOT exceed a total of 3 pages,

>INCLUDING figures.</div> <div><br></div> <div><b>If you are interested

>to submit a paper, please indicate this with a tentative title as soon

>as possible to [avillwock@ifm.uni-kiel.de](mailto:avillwock@ifm.uni-kiel.de).</b></div>

><div><br></div>

><div>We are looking forward to receive your contributions for another

>interesting issue of CLIVAR Exchanges.</div> <div><br></div>

><div>Please feel free to distribute this call amongst your colleagues.

>Sorry for multiple posting.</div>

><div><br></div>

><div>Thank you very much in advance for your efforts.</div> <div><br>

>Best regards<br> </div> <div>Andreas Villwock</div>

>

><div>- <br>

>\*\*\*\*\*<S

>pan

> ></span>\*\*\*<br>

><br>

>&nbsp;&nbsp;&nbsp;Dr.Andreas Villwock<br>

>&nbsp;&nbsp;&nbsp;International CLIVAR Project Office<br> &nbsp;&nbsp;&nbsp;c/o Institut fuer

>Meereskunde<br> &nbsp;&nbsp;&nbsp;Universitaet Kiel<br> &nbsp;&nbsp;&nbsp;Duesternbrooker Weg

>20<br>

>&nbsp;&nbsp;&nbsp;D-24105 Kiel<br>

>&nbsp;&nbsp;&nbsp;Germany<br>

><br>

>&nbsp;&nbsp;&nbsp;Phone: +49-431/600-4122<br>

>&nbsp;&nbsp;&nbsp;Fax:&nbsp;&nbsp;&nbsp;+49-431/600-1515<br>

>&nbsp;&nbsp;&nbsp;e-mail:avillwock@ifm.uni-kiel.de<br>

>&nbsp;&nbsp;&nbsp;WWW: http://www.clivar.org<br>

>\*\*\*\*\*<S

>pan

> ></span>\*\*\*</div>

></body>

></html>

>--===== \_-1188151711==\_ma=====--

Jonathan T. Overpeck

Director, Institute for the Study of Planet Earth Professor, Department of Geosciences

Mail and Fedex Address:

Institute for the Study of Planet Earth

715 N. Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721

direct tel: +1520 622-9065

fax: +1520 792-8795

[http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html)

<http://www.ispe.arizona.edu/>

</x-flowed>

From: Sent: To:

Subject:

Michael E. Mann <mann@virginia.edu> Tuesday, January 15, 2002 8:03 AM

Mike Sparrow; Jean-Claude Duplessy@cfr.cnrs-gif.fr; philip.froelich@eas.gatech.edu;  
icpo@socnet.soc.soton.ac.uk; Detemmerman\_V@gateway.wmo.ch; Steve.Rintoul@marine.csiro.au;  
efahrbach@awi-bremerhaven.de; jouzel@asterix.saclay.cea.fr; mann@virginia.edu; Jonathan Overpeck



Re: PAGES/CUVAR- CUVAR/CiiC interactions

<html>

Dear All,<br>

<br>

I also like the idea of a joint workshop, and I agree that it would make sense for the sub-group of Jean, myself, Philip, Steve, and Eberhard to begin discussions of how to proceed (e.g., proposed timeline, list of potential topics, possible venues, etc.), keeping the full group posted as we may progress.<br> <br> J., P., S., E.: Shall we begin bouncing some ideas back and forth?<br> <br> Best regards,<br> <br> mike<br> <br> mike<br> &nbsp;At 10:46 AM 1/15/02 -

0800, Jonathan Overpeck wrote:<br> <blockquote type=cite class=cite cite>Hi Mike - Sounds like Mike M, J. Jouzel, Flip F., Steve R and Eberhard ought to be the ones talking at this stage. As they move things forward, they should keep us (Jean-Claude and myself) informed. A joint workshop would probably be the best way to get connected and the WG would welcome this (and help in any way possible).<br> <br> Mike and Jean, can you take it from here on behalf of PAGES/CLIVAR?<br> <br> Thanks to all, Peck<br> <br> <blockquote type=cite class=cite cite>Dear Dr.s Duplessy and Overpeck,<br> <br> The first meeting of the Southern Ocean CLIVAR/CiiC panel, chaired by Steve Rintoul and Eberhard Fahrback with myself as the !CPO contact, will soon be meeting in Hobart from the 11 to 13 of March 2002.<br> <br> Cross panel interaction is an important aspect of CLIVAR. Having read through the minutes of the second meeting of the PAGES/CLIVAR working group I notice that you have brought up several issues that are relevance to both our

panels:<br> <br> Page 2, action item 14:<br> <br> &quot;Southern Hemisphere: M. Mann and J. Jouzel to take the lead in exploring the possibility to hold such a workshop in collaboration with the new CLIVAR [CiiC] Southern Ocean Panel as a potential joint effort.&quot;<br> <br> I think the co-chairs of the SO panel would endorse this effort. I would suggest

that Dr.s Mann and Jouzel make contact with &nbsp;Steve and Eberhard (Steve.Rintoul@marine.csiro.au and efahrback@awi-bremerhaven.de).<br>

<br>

Page 3, final action item:<br>

<br>

&quot;WG leaders to write letters to CLIVAR IPO and SSG nominating paleo-experts for all CLIVAR panels&quot;<br>

<br> Dr Froelich is on the panel as our paleo expert. He would be the ideal person to contact with regards any paleo matters.<br> <br> Page 8, section 4.7:<br> <br> &quot;...PAGES/CLIVAR will try to initiate activity on paleo data in the Southern Hemisphere. The WG felt that this activity should be coordinated with the CLIVAR &nbsp;SO panel...&quot;<br> <br> This important issue should be pushed by our panels. I am intending to give a presentation on the SO panel's interaction with other panels and projects and would

welcome any issues you that you would like me to bring to the SO panel members' attention.

Regards,

Mike

Dr Michael Sparrow  
Staff Scientist  
WOCE CLIVAR Project Office  
Southampton  
Oceanography  
Centre  
Tel: +44- (0)23-8059620S  
Waterfront Campus, European Way  
SOUTHAMPTON, SO14 3ZH,  
UK  
Fax: +44-(0)23-80596204  
CLIVAR - The Climate Variability and Predictability Study

of the

World Climate Research Programme

<http://www.clivar.org/>

WOCE - World Ocean Circulation

Experiment

of the

World Climate Research Programme

<http://www.woce.org/>

--

Jonathan T. Overpeck

Director, Institute for the Study of Planet Earth  
Professor, Department of Geosciences  
Mail and Fedex

Address: Institute for the Study of Planet Earth

715 N. Park Ave. 2nd Floor  
University of Arizona  
Tucson, AZ 85721

direct tel: +1520 622-9065

fax: +1520 792-8795

[http://www.geo.arizona.edu/Faculty\\_Pages/OverpeckJ.html](http://www.geo.arizona.edu/Faculty_Pages/OverpeckJ.html)  
<http://www.ispe.arizona.edu/>

</blockquote>

<x-sigsep><p></x-sigsep>

<br>

Professor Michael E. Mann  
Department of Environmental Sciences, Clark Hall

University of Virginia

Charlottesville, VA 22903

-----<br>

e-mail: mann@virginia.edu  
Phone: (434) 924-7770  
FAX: (434) 982-2137

<http://www.evsc.virginia.edu/faculty/people/mann.shtml>

From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@multiproxy.evsc.virginia.edu> Wednesday, October 03, 2001 11:02 AM

Aksel Walloe Hansen

mann@virginia.edu

Re: invitation to symposium in Denmark

<x-flowed> Dear Aksel,

Thanks very much for the kind invitation. Unfortunately, my teaching commitments prevent me from being able to accept the offer.

You might consider inviting a more nearby colleague such as Phil Jones of the University of East Anglia {UK} or Chris

Folland of the UK Met Office or Stefan Rahmstorf of Potsdam {Germany}. In the U.S. you could try either Tom Crowley

{tom@ocean.tamu.edu} or Jonathan Overpeck Uto@u.arizona.edu). Best of luck w/ the symposium,

Mike Mann

At 08:21AM 10/3/01+0200, you wrote:

>Dear Prof. Mann

>

>

>On behalf of the organizers I have the pleasure to invite you as a key

>note speaker to our 1-day symposium on global climate and Kyoto related

>issues.

>

>The symposium is scheduled for November 20, 2001. The venue for the

>symposium is the Auditorium at the Rockefeller Complex, Juliane Maries

>Vej 30, OK- 2100 Copenhagen OE.

>

>The symposium consists of two sessions: a morning session where focus

>is on the scientific understanding of the global climate and an

>a afternoon session where the status after Kyoto will be described.

>

>The preliminary time schedule for the symposium is

>

> 9:15 Welcome by Rector Kjeld M011gard, University of

>Copenhagen

> 9:30-12.30 "The climate issue: do we know for sure that it is

>changing and do we understand why?"

>12.30-13.30 lunch

>13.30-16.30 "Kyoto, status and challenges"

>16.30 Closing

>

>The climate session is concentrating on two themes: a) the

>reconstructing of global temperature patterns on millennium time scales

>and b) the basic understanding of the behavior of the global climate

>system.

>

>Invited speakers for the morning session:

>Prof. Michael E. Mann, Department of Environmental Sciences, University

>of Virginia Prof. Richard S. Lindzen, Department of Earth, Atmospheric

>and Planetary Sciences, MIT Prof. Claus U. Hammer, Dept. of Geophysics,

>University of Copenhagen, "A discussion of the use of different data

>types in interpreting global temperature series at millennium scales"

>(Has accepted) Prof. John R. Bates, Dept. of Geophysics, University of

>Copenhagen, "What keeps the climate stable?" (Has accepted)

>

>Invited speakers for the afternoon session:

>Director John Christensen, UNEP, Denmark, "On the economic consequences

>and scenarios for the future" (Has accepted) Prof. Jurgen Lefevre, The

>Foundation for International Environmental Law and Development (FIELD),

>London, UK "Legal perspectives and international challenges"

>Mr. Thomas Becker, The Danish Energy Agency, "The status of the Kyoto

>process" (Has accepted) Mr. Jesper Gundermann, The Danish Energy

>Agency, "Contraction and convergence, the background for the political

>approach to the climate issue" (Has accepted)

>

>

>The organizers of the symposium are

>COGCI, the Copenhagen Global Change Initiative, the Danish PhD School

>for Global Change and Environmental Issues, (<http://www.cogci.dk>)

>University of Copenhagen, (<http://www.ku.dk>) Danish Climate Forum,

>Danish Meteorological Institute, <http://www.dmi.dk>, and Danish Energy

>Agency, <http://www.ens.dk/uk/index.asp>

>

>We anticipate a mixed audience. The interest in climate problems and

>related political, economical issues is wide spread among scientists.

>Of course, we expect PhD students from COGCI and other PhD schools in

>Greater Copenhagen and Southern Sweden to participate, but we also hope

>to see a large group of scientists from Danish Research Institutions

>and universities. We are inviting science journalists and other

>representatives of major Danish news media as well.

>

>You visited the Dept. of Geophysics a couple of months ago. We hope you

>also this time can accept our invitation. COGCI will pay all your

>expenses and an allowance. I would be very glad if you could answer

>within a week.

>

>Thank you.

>

>Aksel Walloe Hansen

>

>

>All correspondence about the symposium should be directed to

>

>Aksel Walloe Hansen

>Head of Department

>Dept. of Geophysics

>Niels Bohr Institute for Astronomy, Physics and Geophysics University

>of Copenhagen Juliane Maries Vej 30 OK- 2100 Copenhagen OE

>

>TEL +45 35 32 OS 67

>FAX +45 35 36 53 57

>Email awh@gfy.ku.dk

>

>

>

>--

>Head of Department

>Associate Professor

>Aksel Walløe Hansen

>Dept. of Geophysics Home Address

>Juliane Maries Vej 30 Duevej 8,Stv

>OK- 2100 Copenhagen OE OK- 2000 Frederiksberg

>Denmark Denmark

>

>TEL +45 35 32 OS 67

>FAX +45 35 36 53 57

>

>Email awh@gfy.ku.dk

+45 38 88 10 80

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e-mail: [mann@virginia.edu](mailto:mann@virginia.edu) Phone: (434) 924-7770 FAX: (434) 982-2137

<http://www.evsc.virginia.edu/faculty/people/mann.shtml>

</x-flowed>

From: Sent: To:

Subject:

[jcole@email.arizona.edu](mailto:jcole@email.arizona.edu) Wednesday, September 12, 2001 11:54 AM Michael E. Mann

RE: Fwd: MEETING LOCATION???



I'm not sure, but i actually think the problem is julie is jcole@geo.arizona.edu. She is on the geosciences system.

-jenny cole

- Original Message --

>Sorry about that.

>

>Yes--Julie Cole is "j.cole" rather than "jcole".

>

>My apologies,

>

>Mike Mann

>

>At 09:32 PM 9/10/01-0700, you wrote:

»you must have had the wrong email,my name is jen and i just checked

»my email I'm not julie.

»- Original Message --

>>

>>oops Julie,got your email wrong in the original message. If you get

>this

>> >

>>message can you or Peck let me know where the PAGES/CLIVAR wg

>>>meeting

>is

>> >

>> >tomorrow?

>> >

>>>Thanks,

>> >

>>>mike

>> >

>> >

»»From:Michael Mann <memannOO@hotmail.com>

»»Reply-To: mann@virginia.edu

»» To:jto@u.arizona.edu, j.cole@u.arizona.edu

»»CC:mann@virginia.edu

»»Subject: MEETING LOCATION???

»»Date: Fri 13 Jul 200115:43:34 -0000

>> >>

»»Dear Peck or Julie:

>> >>

»»Hoping you get this email. Not sure how else to contact you (forget

From: Sent: To:

Cc:

Subject:

Michael E. Mann < mann@multiproxy.evsc.virginia.edu> Tuesday,September 11, 200112:18 PM  
jcole@email.arizona.edu

mann@virginia.edu

RE: Fwd: MEETING LOCATION???

<x-flowed>

Sorry about that.

Yes--Julie Cole is "j.cole" rather than "jcole". My apologies,

Mike Mann

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>>

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>>

> >tomorrow?

>>

>>Thanks,

>>

>>mike

>>

>>

>>>From: Michael Mann <memannOO@hotmail.com>

>>>Reply-To: mann@virginia.edu

>>>To: jto@u.arizona.edu,j.cole@u.arizona.edu

> »CC: mann@virginia.edu

>>>Subject: MEETING LOCATION???

>>>Date: Fri,13 Jul 200115:43:34 -0000

>>>

>>>Dear Peck or Julie:

>>>

>>>Hoping you get this email. Not sure how else to contact you (forget

>>>the hotel you're staying at). Checked my email several times over.

>>>Never did receive any information regarding the \*place\* for the

>>>PAGES/CLIVAR wg meeting,the only email received had a rough outline

>>>of the meeting w/

>>>a

>>>"to

>>>be announced" indicated for the place.

>>>

>>>Please contact me at the Hotel Eden wj the info this evening (can

>>>leave

>>>a

>>>message if I'm out} if possible! Thanks, and see you {I hope!)

>>>tomorrow,

>>>

>>>mike

>>>

>>>From: Jonathan Overpeck <jto@u.arizona.edu>

>>>To: Andreas Villwock <avillwock@ifm.uni-kiel.de>

>>>CC: mann@multiproxy.evsc.virginia.edu

>>>Subject: Re: Next Exchanges: Call for contributions, please

>>>distribute

>>>Date: Fri, 6 Jul 200110:25:35 -0700

>>>>

>>>>Hi Andreas- we can highlight this at the CLIVAR/PAGES mtg.I

>>>»suspect Mike Mann might be able to coordinate some good paleo

>>>»detection/attribution contributions, and I'll cc this to him to see

>>>»if he bites. See you soon, Peck

>>>>

>>>>>Dear all,

>>>>>

>>>>»I like to invite you and your colleagues to submit short

>>>>»scientific contributions for the next issue of CLIVAR Exchanges

>>>>»which will be dedicated to topics related to climate change

>>>>»prediction, detection and attribution. Since one of the main foci

>>>>»of CLIVAR is related to anthropogenic climate change and the Third

>>>>» Assessment Report of the Intergovernmental Panel on Climate Change

>>>>»(IPCC) has recently been finalised, we would like to highlight the

>>>>»recent accomplishments in this field of climate research.

>>>>»The deadline for submission is August 15,200L

>>>>>

>>>>»Guidelines for the submission of papers for CLIVAR Exchanges can

>>>>»be found under:

>>>>»<http://www.divar.org/publications/exchanges/guidel.htm>

>>>>>

>>>>»Please distribute this announcement in your institutes.

>>>>>

>>>>»I am looking forward to your contributions. Thanks very much in

>>>>»advance

>>>>>

>>>>»Best regards

>>>>>

>>>>»Andreas Villwock

>>>>>

>>>>>

> >>>>--

>>>>\*\*\*\*\*

> >>>>\*\*\*\*\*

> >>>>

> >>> Dr.Andreas Villwock

> >>> International CLIVAR Project Office c/o Institut fuer

> >>>Meereskunde Universitaet Kiel Duesternbrooker Weg 20

> >>> D-24105 Kiel

> >>>> Germany

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> >>> Phone: +49-431/597-3797

> >>> Fax: +49-431/565876

> >>> e-mail: avillwock@ifm.uni-kiel.de

> >>> WWW: http://www.clivar.org

>>>>\*\*\*\*\*

> >>>>\*\*\*\*\*

> >>>

> >>>--

>>>>Jonathan T. Overpeck

>>>>Director,Institute for the Study of Planet Earth Professor,

>>>>Department of Geosciences

> >>>

>>>>Mail and Fedex Address:

> >>>

>>>>Institute for the Study of Planet Earth

> >>>715 N. Park Ave. 2nd Floor

> >>>University of Arizona

> >>>Tucson,AZ 85721

>>>>direct tel: +1520 622-9065

>>>fax: +1520 792-8795

> >>[http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html)

>>><http://www.ispe.arizona.edu/>

> >>

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>>

>>

Professor Michael E.Mann

Department of EnvironmentalSciences,Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail: [mann@virginia.edu](mailto:mann@virginia.edu) Phone: (434) 924-7770 FAX: (434) 982-2137

<http://www.evsc.virginia.edu/faculty/people/rmann.shtml>

</x-flowed>

>the

»»hotel you're staying at). Checked my email several times over.

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»»receive any information regarding the \*place\* for the PAGES/CLIVAR

wg

»»meeting,the only email received had a rough outline of the meeting

>w/

>>>a

>>>>"to

»»be announced" indicated for the place.

>> >>

»»Please contact me at the Hotel Eden w/ the info this evening (can leave

>>>a

»»message if I'm out} if possible! Thanks, and see you (I hope!)

>> >>tomorrow,

>> >>

>>»mike

>> >>

>>>>From: Jonathan Overpeck <jto@u.arizona.edu>

»» >To: Andreas Villwock <avillwock@ifm.uni-kiel.de>

»»>CC: mann@multiproxy.evsc.virginia.edu

>> »>Subject: Re:Next Exchanges: Call for contributions, please

>>>>distribute

»»>Date: Fri, 6 Jul 2001 10:25:35 -0700

>> >>>

»»>Hi Andreas- we can highlight this at the CLIVAR/PAGES mtg.I

»»>>suspect Mike Mann might be able to coordinate some good paleo

»»>>detection/attribution contributions, and I'll cc this to him to

»»>>see if he bites. See you soon, Peck



>> >>>

>> »»Dear alt

>> >>>>

»»»»I like to invite you and your colleagues to submit short  
»»»»scientific contributions for the next issue of CLIVAR Exchanges  
»»»»which will be dedicated to topics related to climate change  
»»»»prediction, detection and attribution. Since one of the main foci  
»»»»of CLIVAR is related to  
»»»»anthropogenic climate change and the Third Assessment Report of  
»»»»the Intergovernmental Panel on Climate Change (IPCC) has recently  
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»»»»accomplishments in  
»»»»this field of climate research.  
»»»»The deadline for submission is August 15, 2001.

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>>>>>advance

>> >>>>

>> >>>Best regards

>> >>>>

»»»»Andrea s Villwock

>> >>>>

>> >>>>

>> >>>>--

>>>>>\*\*\*\*\*

>> >>>>\*\*\*\*\*

>> >>>>

»»» Dr. Andreas Villwock

»»» International CLIVAR Project Office c/o Institut fuer

»»»> Meereskunde Universitaet Kiel Duesternbrooker Weg 20

»»» D-24105 Kiel

>> >>>> Germany

>> >>>>

»»» Phone:+49-431/597-3797

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>>>>>\*\*\*\*\*

>> >>>>\*\*\*\*\*

>> >>>

>> >>>--

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>> >

>

>

> Professor Michael E. Mann

> Department of Environmental Sciences, Clark Hall

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> Charlottesville, VA 22903

>

>e-mail: [mann@virginia.edu](mailto:mann@virginia.edu) Phone: (434) 924-7770 FAX:(434) 982-2137

> <http://www.evsc.virginia.edu/facultyIpeople/rmann.shtml>

>

>

From: Sent: To:

Subject:

jcole@email.arizona.edu

Tuesday, September 11, 2001 12:33 AM

mann@virginia.edu

RE: Fwd: MEETING LOCATION ???

you must have had the wrong email, my name is jen and i just checked my email I'm not julie.

-- OriginalMessage --

>oops Julie,got your email wrong in the originalmessage. If you get

>this

>

>message can you or Peck let me know where the PAGES/CLIVAR wg meeting

>is

>

>tomorrow?

>

>Thanks,

>

>mike

>

>

»From: Michael Mann <memannOO@hotmail.com>

» Reply-To: mann@virginia.edu

»To: jto@u.arizona.edu, j.cole@u.arizona.edu

>>CC: mann@virginia.edu

»Subject: MEETING LOCATION???

»Date: Fri, 13 Jul 2001 15:43:34 -0000

>>

»Dear Peck or Julie:

>>

» Hoping you get this email. Not sure how else to contact you (forget

» the hotel you're staying at). Checked my email several times over.

» Never did receive any information regarding the \*place\* for the

»PAGES/CLIVAR wg meeting, the only email received had a rough outline

»of the meeting w/

>a

>>"to

» be announced" indicated for the place.

>>

»Please contact me at the Hotel Eden w/ the info this evening (can

>>leave

>a

»message if I'm out) if possible! Thanks, and see you (I hope!)

>>tomorrow,

>>

»mike

>>

>>From: Jonathan Overpeck <jto@u.arizona.edu>

>>To: Andreas Villwock <avillwock@ifm.uni-kiel.de>

>>CC: mann@multiproxy.evsc.virginia.edu

>>Subject: Re: Next Exchanges: Call for contributions, please

>>> distribute

>>Date:Fri,6 Jul 2001 10:25:35 -0700

>>>

>>Hi Andreas- we can highlight this at the CUVAR/PAGES mtg. I suspect

>>Mike Mann might be able to coordinate some good paleo

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>>if he bites. See you soon, Peck

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>>>contributions for the next issue of CUVAR Exchanges which will be

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>>>and attribution. Since one of the main foci of CLIVAR is related to

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>>>>Best regards

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»»Andreas Villwock

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>>>>

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>

From: Sent: To:

Subject:

weber@knmi.nl on behalf of Dr. Nanne Weber <weber@knmi.nl> Monday, November 06, 2000 3:14 AM

Michael E. Mann

Re: Workshop Charlottesville

"Michael E. Mann" wrote: Hi Mike,  
sorry about my late response. Your list is fine with me. Cheers,

Nanne

> Dear all,

>

> I would like to informally contact the individuals indicated below  
> about attending the workshop.

>

> If I hear no objections regarding this current list of U.S. invitees  
> by monday, I'll send out notification to the prospective participants.

> Thanks,

>

> mike

>

>>

>>

> >R. Bradley paleo general, high-res proxies

> >M. Hughes tree rings

> >J. Overpeck proxies general, some paleo modeling (w/ Rind et al)

> >T. Crowley paleo general, paleo modeling

>>E. Cook statistical methods of reconstruction, tree rings

> >R. Webb paleo modeling

> >M. Cane paleo ENSO modeling

> >M. Evans corals, statistical climate reconstruction

>>D. Battisti paleo modeling, ENSO

>>K. Hughen laminated sediments, paleoreconstruction of decadal variability

>>J. Lean solar reconstructions, modeling response to solar (w/ D. Rind)

>>J. Cole corals

>>H. Diaz paleo general,historical records

>>B. Reichert paleo modeling,downscaling

>>

>>Also invited to attend as observers:

>>

>>Mark Aiken (NOAA program manager)

>>David Verardo (new NSF Earth Systems History Program Manager)

>>

>

>

> Professor Michael E. Mann

> Department of Environmental Sciences,Clark Hall

> University of Virginia

> Charlottesville, VA 22903

>

>e-mail:mann@virginia.edu Phone: {804} 924-7770 FAX: {804} 982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To:

Subject:

Hans.von.Storch@gkss.de on behalf of Hans von Storch <Hans.von.Storch@gkss.de> Saturday, November 04, 2000 12:35 PM

Michael E. Mann

Re: Workshop Charlottesville

Fine with me. Hans

"Michael E. Mann" wrote:

>Dear all,

>

> I would like to informally contact the individuals indicated below

> about attending the workshop.

>

> If I hear no objections regarding this current list of U.S. invitees

> by monday, I'll send out notification to the prospective participants.

>Thanks,

>

> mike

>

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> Charlottesville, VA 22903

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>e-mail:mann@virginia.edu Phone:(804) 924-7770 FAX:(804) 982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.html>

Hans von Storch

Institute of Hydrophysics;GKSS Research Center

Max-Planck-Strasse; 21502 Geesthacht; Germany

Phone:+49(4152)87-1831;fa +49(4152)87-2832 home fax: +49 4153 582 522 ph+ 49 4153 543 36

<http://w3g.gkss.de/staff/storch>

From: Sent: To:

Cc:

Subject:

Michael E. Mann <[mann@multiproxy.evsc.virginia.edu](mailto:mann@multiproxy.evsc.virginia.edu)> Friday, November 03, 2000 11:06 AM

Heinz Wanner;[hans.von.storch@gkss.de](mailto:hans.von.storch@gkss.de);Oyvind.Nordli@dnmi.no; [weber@knmi.nl](mailto:weber@knmi.nl) [mann@virginia.edu](mailto:mann@virginia.edu)

Re: Workshop Charlottesville

Dear all,

I would like to informally contact the individuals indicated below about attending the workshop.

If I hear no objections regarding this current list of U.S. invitees by monday,I'll send out notification to the prospective participants. Thanks,

mike

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–

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Professor Michael E. Mann

Department of Environmental Sciences,Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail:mann@virginia.edu Phone:(804) 924-7770 FAX: (804) 982-2137 <http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@multiproxy.evsc.virginia.edu> Wednesday, November 01, 2000 10:13 AM

Heinz Wanner;hans.von.storch@gkss.de;Oyvind.Nordli@dnmi.no;weber@knmi.nl mann@virginia.edu

Re: Workshop Charlottesville

Dear all,

Your suggestions all sound very good. I've tried to trim the original list I provide for North American invitees because of redundancy. We can always go back to the original list if our first choices can't make it.

I think the list includes all the individuals who were suggested. I've provided a brief explanation of the contribution. Comments welcome. I'm hoping to informally notify individuals later this week...

mike



R. Bradley paleo general, high-res proxies

M. Hughes tree rings

J. Overpeck proxies general, some paleo modeling (w/ Rind et al) T. Crowley paleo general, paleo modeling

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J. Cole corals

H. Diaz paleo general, historical records B. Reichert paleo modeling, downscaling Also attending:

Mark Aiken (NOAA program manager)

Un-named NSF Earth Systems History Program Manager (whoever is replacing S. Colman at that position)

At 03:23PM 11/1/00 +0100, Heinz Wanner wrote:

>Dear colleagues,

>

>I fully agree with your suggestions, especially with Hans' list! I

>think a maximum of 5 (or rather 4) Swiss is okay. I think I will have

>some difficulties to get Tom Stocker and Chris Pfister to

>Charlottesville because they're also very busy this time next year. I'll do my best.

>

>Kind regards, Heinz

From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Sunday, October 29, 2000 5:23 PM Hans.von.Storch@gkss.de

Michael E. Mann

Re: charlotteville

HiHans,

Thanks too for your quick reply. Its a beautiful fall day here in Charlottesville . First major cold front of the season making its way through the area...

Yes, this sounds fine to me. I agree that we probably need to start contacting people now. Why don't we "informally" notify prospective participants over the next few weeks (I'll notify the 16 or so U.S. people, and leave it to you, Nanne, Heinz and others to notify the Europeans). Then, sometime in the next couple months, we can send out the formal invitations, indicating expected level of support, etc. Does this sound like a good plan to pursue?

I'll be using Brenda Morris (my J. Climate editorial assistant) as the administrative assistant (she's happily agreed to take on this job). The advantage is that I can start asking her to do stuff for the workshop on good faith, with an

understanding that the financial support will come in later.

Please let me know how the above sounds. Thanks, mike

At 07:54 PM 10/29/00 +0100, Hans von Storch wrote:

>Hi Mike, thanks for this speedy response. Why don't we come to a simply practical

>solution, namely that you now pick 16 North American participants,

>while we others

>decide on the remaining 32. If you later find out that somebody can't

>come and you

>want to replace him or her:no problem. If somebody from here finds

>that

some other

>US or Canadians should be invited, then they should say so.

>

>Be assured that we will be flexible in the whole process. But we need

>to approach

>the European participants asap - early booking helps to limit the budget.

>

>I think we can organize this relatively easily so that there will be

>rather limited

>pressure on you and your time.

>

>Regards

>

>Hans

>

>

>

>"Michael E. Mann" wrote:

>

»Hi Hans,

>>

»Yes, unfortunately, as I warned, I am \*extremely\* busy this semester,

»and thus it is impossible for us to make too much progress w/out some

»administrative support, etc.I cannot perform the organizational

»tasks for this workshop without considerable help. This is why I am

»seeking to secure the NSF support soon, so we can hire an administrative assistant.

>>

»With regard to your specific comments about participatns, etc.,  
»apparently we may have a misunderstanding here, particularly with  
>> regard to the distinction between "participants" and "invitees". I  
»have been following what I believe is the standard procedure for  
»previous PAGES/CLIVAR meetings, which is what I see this as being.

>>

»In these cases, a list of participants has been agreed upon  
»beforehand by the planners, and there is in fact no distinction  
»between "participants" and "invitees" in general that I am familiar  
»with in past meetings, though certain participants often have more  
»prominent speaking roles. The group of participants are invited, and  
»the available funding distributed among the subset (hopefully large)  
»that respond positively to that invitation (in the case of the 16 or  
»so U.S. participants I have listed, most have informally indicated to  
>>me that they can come. Incidentally, some of the Europeans on the  
»list, e.g. Tim Osborn, have informally indicated to me that they probably cannot make it.

>>

»I have assumed from the start that we would have 40-50 total  
»participants, with the breakdown among countries (or "partners" as  
»you term it) discussed earlier, and would use the available funding  
»to support as uniformly as possible among all participants. For  
»administrative reasons, it appears that it will probably be easiest  
»to use the funding internally within the participating countries,  
»which works out just about right. This gives us about 8K(10K provided  
»by NSF-2K for administrative support and facilities costs) for about 16 U.S.  
»participants, or an average of \$500 per participant, which should be  
»appropriate.

>>

» I'm assuming that the other support available from the participating

»European partners can then be used to defray costs for European  
» participants,with hopefully a modest additional contribution from  
>>the European partners towards administrative and facilities support  
»for the Charlottesville meeting). I would happily leave it up to each  
»of the partners to decide how this is best accomplished.

>>

»Hopefully this clarifies things. Please let me know if there is still

»a communication gap with respect to the above.

>>

>>Thanks,

>>

»mike

>>

»At 05:14PM 10/29/00 +0100, Hans von Storch wrote:

>>>Dear Mike,

>>>

>>>the speed of progress with planning our meeting is a bit bumpy. It

>>>seems that the money problems are solved,but we have some

>>>misunderstandings concerning participants.

>>>SO far we said that we have two groups, namely participants from the

>>>various partners, and invitees. The partner would essentially pay

>>>for their participants, whereas the funds would be used for the

>>>travel costs ofthe invitees plus general organisation costs.

>>>

>>>That means, the partners have to list "their" participants. Nanne

>>>and Heinz the two groups. Do you think that you could come up with a

>>>list of "your" participants, so that we all together can agree on

>>>the list on invitees.As long as we do not know who of the North

>>>Americans is coming (or is asumed to come) in any case, we can not

»>really discuss the invitee list.

>> >

»>Attached please find the latest planning.

>> >

>>>Regards

>> >

>>>Hans

>> >

>> >

>> >

>> ><http://w3g.gkss.de/staff/storch/charlotteville.money.htm>

>> >--

>> > -----

>> > Hans von Storch

»> Institute of Hydrophysics; GKSS Research Center

»> Max-Planck-Strasse;21502 Geesthacht; Germany

»> Phone:+49 (4152) 87-1831; fax:+49 (4152) 87-2832

»> home fax: +49 4153 582 522 ph + 49 4153 543 36

>> >

»><http://w3g.gkss.de/staff/storch>

>> >

>> >

»>Content-type: text/html; name=charlotteville.money.htm;

>> > charset=us-ascii

>>>Content-disposition: inline;filename=charlotteville.money.htm

»>Content-transfer-encoding: 7BIT

»>Content-Base:"<http://w3g.gkss.de/staff/storch/charlotteville.money.htm>"

»>Content-Location: "<http://w3g.gkss.de/staff/storch/charlotteville.money.htm>"

»><!doctype html public "-//w3c//dtd html4.0 transitional/en">

```
»xhtml> <head>
»> <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
>> <meta name="Author" content="Hans von Storch">
»> <meta name="GENERATOR" content="Mozilla/4.73 (en) (X11; U;SunOS
»>5.5.1
»>sun4m) [Netscape]">
»></head>
»><body text="#000000" bgcolor="#FFFFFF" link="#0000FF" vlink="#FF0000"
»>alink="#000088">
>>><font size=+2>Workshop: "Reconstructing Late Holocene
»>Climate"</font> <p>in Charlottesville, Va.
»><p>17-20 April 2001
>> >
»><p><u>Co-sponsors:</u> Mike Mann (U of Virginia), Hans von Storch (GKSS Research
»>Centre, Germany), Nanne Weber (KNMI, Netherlands), Heinz Wanner (U
»>>of Bern,
»>Switzerland) and Øyvind Nordli (Norway)
>> >
>> ><p>We expect about 50 participants, about 35 would come from various interested
»>partners (for instance: 10 US, 10 German, 5 Dutch, 5 Swiss and 3
»>>Norwegian
»>+ 2 others). These participants would cover their own travel costs.
»>>+Another
»>15 participants would be invited (for instance 5 US, 5 UK, &nbsp;others).
»><p>We expect costs for
»><br>- local arrangement&nbsp; and on-site and preparational
»>>organisational
»>work: $ 2500
»><br>- travel costs for invitees: $2500 for UK and others, $1000 for UK.
»><p>Thus, we would need funding of 32,500$.
```

»»<p>The following amounts have been tentatively agreed to:

»»<p>01,000 \$from US agencies

»»<br>10,000 \$ from German agencies (confirmed by Storch) <br>&nbsp;

»»5,000 \$from Dutch agencies (confirmed by Weber) <br>&nbsp;5,000 \$

»»from Swiss agencies (confirmed by Wanner) <br>&nbsp;2,000 \$from

»»Norwegian agencies (confirmed by Nordli) <p>Additionally, we could

»»charge a moderate fee from the participants for covering unexpected

>>>costs.

»»<p>Purpose and scope of the workshop are described in&nbsp;<a

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>

>von

Storch

>

>Research

Center

>

Hans

Institute of Hydrophysics; GKSS Max-Planck-Strasse;21502

> Geesthacht; Germany

>

>(4152)

87-2832

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> 4153

543 36

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Phone:+49(4152)87-1831;fax:+49 home fax: +49 4153 582 522 ph + 49

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Subject:

Hans.von.Storch@gkss.de on behalf of Hans von Storch <[Hans.von.Storch@gkss.de](mailto:Hans.von.Storch@gkss.de)> Sunday, October 29, 2000 1:54 PM

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>><font size=+2>Workshop: "Reconstructing late Holocene Climate"</font>

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From: Sent: To:

Cc:

Subject:

Michael E. Mann <[mann@virginia.edu](mailto:mann@virginia.edu)> Sunday, October 29, 2000 12:23 PM Hans.von.Storch@[gkss.de](mailto:gkss.de)

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»Hopefully this clarifies things. Please let me know if there is still  
»a communication gap with respect to the above.

>>

»Thanks,

>>

»mike

>>

»At 05:14 PM 10/29/00 +0100, Hans von Storch wrote:

»>Dear Mike,

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»>really discuss the invitee list.

>>>

»»Attached please find the latest planning.

>>>

»»Regards

>>>

>>>Hans

>>>

>>>

>>>

»»<http://w3g.gkss.de/staff/storch/charlotteville.money.htm>

>>>-

>>>-----

>>> Hans von Storch

>>>

>>>

>>>

>>>

>>>

Institute of Hydrophysics;GKSS Research Center

Max-Pianck-Strasse; 21502 Geesthacht;Germany Phone:+49 (4152) 87-1831; fax:+49 (4152) 87-2832 home  
fax: +49 4153 582 522 ph + 49 4153 543 36

»»<http://w3g.gkss.de/staff/storch>

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»»<font size=+2>Workshop: "Reconstructing late Holocene
»»Climate"</font> <p>in Charlottesville, Va.

»»<p>17-20 April2001

>>>
»»<p><u>Co-sponsors:</u> Mike Mann (U of Virginia),Hans von Storch (GKSS
»»Research Centre,Germany), Nanne Weber (KNMI, Netherlands), Heinz
»»Wanner {U of Bern,
»»Switzerland) and Øyvind Nordli (Norway)

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»href="http://w3g.gkss.de/staff/storch/charlotteville.0401.htm">this

»»webpage</a>

»»<br>&nbsp;

>> ><br>

»»<u>Suggested participants form participating partners:</u> <br>

>> >

»»<p>US: R. Bradley,Hughes, J. Overpeck, T.Crowley, E. Cook, R. Webb, M.

»Cane, M. Evans, D.Battisti,K. Hughen.D.Rind,J. Lean,J. Cole, E.

»Sarachik,C. Woodhouse,T. Delworth, H.Diaz,(max 10)

>> >

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>> >

»»<p>NI:N. Weber,G.vander Schrier, H. Renssen,B. van Geel, R.

»»vanderWal

»{5,,max 5)

>>>

»><p>CH: H. Wanner, C. Pfister, T. Stocker,J. luterbacher (4, max 5)

>> >

»><p>N: &Oslash;vind Nordli (1; max 3)

>> >

>> >

>> >

» ><br><br><br><u>Suggested invitees</u>

>> >

»><br>R.Glaser (W&uuml;rzburg),M. Claussen (D), Barriendos

»>(Barcelona, ES),

»Brazdil (Brno,CZ), P. Jones, K. Briffa,T. Osborn (UK),J. Guiot (F),T.

»Delworth (US),J. Beer(?) M. Barriendos (?), K.R.Laird, D. Verschuren or F.

»Gasse (N.African lakes),Bernhard Reichert,J.Patzold or T. Felis (Bremen) .

>> >

»>(10)

>> >

>> >

»><br><br><u>Other participants</u> (no costs) <br>Mark Eakin (NOAA),

»>Steve Coleman (NSF)

>>>

»><br>&nbsp;

»><br>&nbsp;

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»><br>&nbsp;

»></body>

»></html>

>> >

>>

» Professor Michael E. Mann  
» Department of Environmental Sciences, Clark Hall  
» University of Virginia  
» Charlottesville, VA 22903

>>

»e-mail:mann@virginia.edu Phone: (804) 924-7770 FAX:(804) 982-2137

» <http://www.evsc.virginia.edu/faculty/people/mann.html>

>

>--

> \_ " -----

> Hans von Storch  
> Institute of Hydrophysics; GKSS Research Center  
> Max-Planck-Strasse; 21502 Geesthacht; Germany  
> Phone: +49 (4152) 87-1831; fax: +49 (4152) 87-2832  
> home fax: +49 4153 582 522 ph+ 49 4153 543 36

>

><http://w3g.gkss.de/staff/storch>

>

>

>

>

>

From: Sent: To:

Subject:

Hans.von.Storch@gkss.de on behalf of Hans von Storch <Hans.von.Storch@gkss.de> Sunday, October 29, 2000 11:14 AM

Michael E. Mann

charlotteville

Dear Mike,

the speed of progress with planning our meeting is a bit bumpy. It seems that the money problems are solved, but we have some misunderstandings concerning participants.

SO far we said that we have two groups, namely participants from the various partners, and invitees. The partner would essentially pay for their participants, whereas the funds would be used for the travel costs of the invitees plus general organisation costs.

That means, the partners have to list "their" participants. Nanne and Heinz the two groups. Do you think that you could come up with a list of "your" participants, so that we all together can agree on the list on invitees. As long as we do not know who of the North Americans is coming (or is assumed to come) in any case, we can not really discuss the invitee list.

Attached please find the latest planning. Regards

Hans

<http://fw3g.gkss.de/staff/storch/charlotteville.money.htm>

Hans von Storch

Institute of Hydrophysics;GKSS Research Center

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+49 4153 582 522 ph+ 49 4153 543 36

<http://w3g.gkss.de/staff/storch>

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</head> <body text="#000000" bgcolor="#FFFFFF" link="#0000FF" vlink="#FF0000"  
alink="#000088"> <font size=+2>Workshop:

"Reconstructing Late Holocene Climate"</font> <p>in Charlottesville, Va.

<p>17-20 April2001

<p><u>Covenors:</u> Mike Mann (U of Virginia), Hans von Storch {GKSS Research Centre,Germany),  
Nanne Weber

(KNMI, Netherlands), Heinz Wanner (U of Bern, Switzerland) and Øyvind Nordli (Norway)

<p>We expect about 50 participants, about 35 would come from various interested partners (for instance: 10  
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+ 2 others). These participants would cover their own travel costs.

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15 participants would be invited (for instance 5 US, 5 UK, & others).

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<p>Purpose and scope of the workshop are described in & <a href="http://w3g.gkss.de/staff/storch/charlotteville.0401.htm">this webpage</a>

<br>&

<br>

<u>Suggested participants from participating partners:</u> <br>

<p>US: R. Bradley, Hughes, J. Overpeck, T. Crowley, E. Cook, R. Webb, M. Cane, M. Evans, D. Battisti, K. Hughen, D. Rind, J. Lean, J. Cole, E. Sarachil, C. Woodhouse, T. Delworth, H. Diaz, (max 10)

<p>D: H. von Stach, F. Gonzalez, J. Jones, M. Widmann, J. Negendank, H. Milller, M. Schwager (7, max 10)

<p>NL: N. Weber, G. vander Schrier, H. Renssen, B. van Geel, R. vanderWal (5, max 5)

<p>CH: H. Wanner, C. Pfister, T. Stocker, J. Luterbacher (4, max 5)

<p>N: & Nordli (1; max 3)

. <br><br><br><u>Suggested invitees</u>

<br>R. Glaser (W&uuml;rzburg), M. Claussen (D), Barriendos (Barcelona, ES), Brazdil (Brno, CZ), P. Jones, K. Briffa, T. Osborn (UK), J. Guiot (F), T. Delworth (US), J. Beer(?) M. Barriendos (?), K.R. Laird, D. Verschuren or F. Gasse (N. African lakes), Bernhard Reichert, J. Patzold or T. Felis (Bremen) .

(10}

<br><br><u>Other participants</u> (no costs) <br>Mark Eakin (NOAA), Steve Coleman (NSF)

<br>&nbsp;

<br>&nbsp;

<br>&nbsp;

<br>&nbsp;

</body>

</html>

From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Sunday, October 29, 2000 8:42 AM Hans.von.Storch@gkss.de

Michael E. Mann



Re: charlotteville

Hi Hans,

Yes, unfortunately, as I warned, I am \*extremely\* busy this semester, and thus it is impossible for us to make too much progress w/out some administrative support, etc. I cannot perform the organizational tasks for this workshop without considerable help. This is why I am seeking to secure the NSF support soon, so we can hire an administrative assistant.

With regard to your specific comments about participatns, etc., apparently we may have a misunderstanding here, particularly with regard to the distinction between "participants" and "invitees". I have been following what I believe is the standard procedure for previous PAGES/CLIVAR meetings, which is what I see this as being.

In these cases, a list of participants has been agreed upon beforehand by the planners, and there is in fact no distinction between "participants" and "invitees" in general that I am familiar with in past meetings, though certain participants often have more prominent speaking roles. The group of participants are invited, and the available funding distributed among the subset (hopefully large) that respond positively to that invitation (in the case of the 16 or so U.S. participants I have listed, most have informally indicated to me that they can come. Incidentally, some of the Europeans on the list, e.g. Tim Osborn, have informally indicated to me that they probably cannot make it.

I have assumed from the start that we would have 40-50 total participants, with the breakdown among countries (or "partners" as you term it) discussed earlier, and would use the available funding to support as uniformly as possible among all participants. For administrative reasons, it appears that it will probably be easiest to use the funding internally within the participating countries, which works out just about right. This gives us about 8K (10K provided by NSF - 2K for administrative support and facilities costs) for about 16 U.S. participants, or an average of \$500 per participant, which should be appropriate.

I'm assuming that the other support available from the participating European partners can then be used to defray costs for European participants, with hopefully a modest additional contribution from the European partners towards administrative and facilities support for the Charlottesville meeting). I would happily leave it up to each of the partners

to decide how this is best accomplished.

Hopefully this clarifies things. Please let me know if there is still a communication gap with respect to the above. Thanks,

mike

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>Attached please find the latest planning.

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>Regards

>

>Hans

>

>  
>  
><http://w3g.gkss.de/staffIstarch/charlotteville.money.htm>  
>--  
> -----  
> Hans von Storch  
> Institute of Hydrophysics;GKSS Research Center  
> Max-Planck-Strasse; 21502 Geesthacht;Germany  
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> home fax: +49 4153 582 522 ph+ 49 4153 543 36  
>  
><http://w3g.gkss.de/staff/storch>  
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>bgcolor="#FFFFFF" link="#0000FF" vlink="#FF0000" alink="#000088"> <font  
>size=+2>Workshop: "Reconstructing Late Holocene Climate" </font> <p>in  
>Charlottesville, Va.

><p>17-20 April2001

>

><p><u>Covenors:</u> Mike Mann (U of Virginia), Hans von Storch (GKSS

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>Wanner (U of Bern,

>Switzerland) and &Oslash;yvind Nordli (Norway}

>

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>href;:"http://w3g.gkss.de/staff Istorch/chariotteville.0401.htm">this

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><br>&nbsp;

><br>

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>

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>M. Cane, M. Evans, D. Battisti, K. Hughen. D. Rind, J. Lean, J. Cole,

>E. Sarachik,C. Woodhouse,T. Delworth,H. Diaz, (max 10}

>

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>vanderWal {5,,max 5}

>

><p>CH: H. Wanner, C. Pfister,T. Stocker, J . Luterbacher (4,max 5)

>

><p>N: &Osla sh;vind Nordli (1; max 3)

>

>

>

><br><br><br><u>Suggested invitees</u>

>

><br>R. Glaser (W&uuml;rzburg), M. Claussen (D),Barriendos {Barcelona, ES}, Brazdil (Brno,CZ),P. Jones, K. Briffa,T. Osborn (UK),J. Guiot (F), T. Delworth (US),J. Beer(?) M. Barriendos (?), K.R. Laird,D. Verschuren or F. Gasse (N.African lakes), Bernhard Reichert,J.Patzold or T. Felis (Bremen) .

>

>(10}

>

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><br><br><u>Other participants</u> (no costs) <br>Mark Eakin {NOAA),

>Steve Coleman (NSF)

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with SMTP id KAA16730;Thu,

12 Oct 2000 10:19:41-0400

Date:Thu,12 Oct 2000 10:27:55 -0400

From:"Michael E. Mann" <mann@multiproxy.evsc.virginia.edu> Subject:Re:tentative list of invitees to Charlottesville meeting

X-Sender: mann@multiproxy.evsc.virginia.edu

To: Nanne Weber <weber@knmi.nl>,Hans.von.Storch@gkss.de, wanner@giub.unibe.ch, Oyvind.Nordli@dnmi.no, j.jones@gkss.de,weber@knmi.nl

Message-id: <3.0.6.32.20001012102755.00b14d20@multiproxy.evsc.virginia.edu> MIME-version: 1.0

X-Mailer: QUALCOMM Windows Eudora Light Version 3.0.6(32) Content-type: text/plain; charset=us-ascii

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Dear Nanne and others,

We should add one more name, H. Diaz, to the list below of American attendees. It would be worth our discussing soon the full list of European invitees.

As I mentioned to Nanne in a previous email,I'm hoping that many of these individuals will be able to come fully funded or at least partially funded.

Roughly speaking,I think that the IOK provided by the U.S. will cover this travel support for the 16 individuals listed

below, as well as a local administrative assistant for the conference. I am currently looking into possibilities for the latter, and will keep you all posted...

Please let me know if any questions. Thanks, mike

>R.Bradley

>M. Hughes

>J. Overpeck

>T. Crowley

>E. Cook

>R. Webb

>M. Cane

>M. Evans

>D. Battisti

>K.Hughen

>D. Rind

>J. lean

>J. Cole

>E. Sarachik

>C. Woodhouse

>T.Delworth

>

>In addition,we will need to invite program managers from the

>sponsoring U.S.agencies (these come free of expense!)

>

>Mark Eakin (NOAA)

>Steve Coleman (actually, likely his replacement at NSF)

>

>I'm happy to discuss this,and interested to see the list of proposed European participants...

>

>I'll be teaching most of the day, and leaving in the afternoon for 1 week,  
so we should plan to discuss again after I return next week.

>

>best regards,

>

>mike

>

>At 10:01AM 10/3/00 GMT, Nanne Weber wrote:

>>

» Dear friends,

>>

» Hans von Storch,Oyvind Nordli and myself happened to meet last week  
»at a workshop in Hamburg. We briefly discussed the Charlottesville  
» meeting. All thought that it is timely to start inviting people to  
» participate. Especially European participants  
» would have to plan a trip to the US some time ahead...

»To make a start here,I prepared a tentative and incomplete list of  
» the 15 people to be invited by the conveners ( and to be paid out of  
» the workshop budget).

» I propose that everyone sends comments/additions to all,and I will  
» volunteer to make the next synthesis list. Please add also the people  
» to be invited by yourself.

>>

» The draft which Hans send around earlier (the total funding, each  
» one's financial contribution and number of participants) seemed OK to



»me. I think that it is likely that I can contribute as suggested;I

» will know for certain half november.

>>

» Regards,

>>

>>Nanne

>>

>>

>>

>>+++++

» Dr. S. L. Weber

»Royal Netherlands Meteorological Institute (KNMI)

» P.O. Box 201,3730 AE De Bilt

» The Netherlands

>>

» phone +3130 2206756

»e-mail weber@knmi.nl

fax +3130 2202570 <http://www.knmi.nl/j-weber>

>>+++++

>>

» Draft list of invitees to Charlottesville meeting,

»17-20 April 2001

>>

»\*Ray Bradley, US

>>

»\*Tom Crowley,US

>>

»\*T. Delworth, US

>>

»\*Joel Guiot, France

>>

»\*Phil Jones, Keith Briffa and/or Tim Osborn,CRU,UK

>>

»\*Judith Lean and/or Juerg Beer (solar variability)

>>

»\*Thomas Stocker and/or Christof Appenzeller, Physics Institute, Bern

>>

>>

>>

Professor Michael E. Mann

Department of Environmental Sciences,Clark Hall

University of Virginia

Charlottesville,VA 22903

e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137

<http://www.evsc.virginia.edu/facultyIpeople/mann.html>

From: Sent: To:

Subject

Jonathan Overpeck <jto@u.arizona.edu> Wednesday, October 11, 2000 7:55 PM Michael E. Mann

Re:workshop

Hi Mike - when I did have help (not with most workshops),I got it because the funding source was UCAR \$. Another way was to do it thru pages, but that isn't something they seem to favor anymore. So, unless it's ucar, you or someone in

your dept ends up having the fun.

Believe me, "fun" it aint. Price we pay, I guess. Good luck, Peck

>Dear Peck,

>

>I need your help on something. How did you go about securing

>administrative support from UCAR for the various PAGES/CLIVAR workshops you've organized?

>I remember in the past you've always had the assistance of someone

>(like Cindy Clark) from UCAR to help w/ administrative stuff. I'll

>need the same if this Workshop is to happen in C'ville next spring.

>

>Thanks in advance for any help,

>

>mike

>

> Professor Michael E. Mann

> Department of Environmental Sciences, Clark Hall

> University of Virginia

> Charlottesville, VA 22903

>

>e-mail:mann@virginia.edu Phone:(804) 924-7770 FAX: (804) 982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.html>

Jonathan T. Overpeck

Director, Institute for the Study of Planet Earth Professor, Department of Geosciences

Mail and Fedex Address:

Institute for the Study of Planet Earth

715 N. Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721

direct tel: +1520 622-9065 fax: +1520 792-8795 [http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html)  
<http://www.ispe.arizona.edu/>

From: Sent: To: Subject:

Gabi Heger! <hegerl@bjerknes.tamu.edu> Friday, February 02, 2001 11:07 AM  
mann@multiproxy.evsc.virginia.edu

Re: hi, a question

HiMike,

Thanks, and thanks for the offer about the workshop, but I am afraid I cannot make it anyway, I am struggling to keep up with things and IPCC is still eating a bit of time (but that should be it pretty soon - phew!) Tom is planning on coming as far as I know. So he can update me on things I'm missing.

Duke is nearly official, still not signed though.

Greetings

Gabi

>

>HI Gabi,

>

>It would be great to have you come along w/ baby Michael!

> Unfortunately, the travel funding was very limited,hence the short

>list of invites, but if you can come it would be great. As I remember Tom is planning on coming?

>

> I also understand that the Duke deal is officialnow? That's great news...

>

>The updated reference should already be reflected in the chapter 2

>refs (it'll be quite a job to (I hope), but here it is:

>

>Mann, M.E.,Gille, E., Bradley, R.S., Hughes,M.K.,Overpeck,J.T.,

>Keimig, F.T.,Gross, W ., Global Temperature Patterns in Past

>Centuries: An interactive presentation, Earth Interactions, 4-4, 1-29, 2000.

>

>talk to you soon,

>

>mike

>

>At 09:37AM 2/1/01-0600, you wrote:

>>Dear Mike,

>>

>>Hope you are well! Tom told me you are organizing a real interesting

>>workshop in April, sounds like fun. I have been toying with the idea

>>of coming along, but think would be too complicated with the baby.

>>

>>The reason I am writing is that John is finalizing references for our  
>>IPCC chapter. Could you please update me on the status of the  
>>following paper:

>>

>>Mann, M.E.,Gille, E.,Bradley, R.S., Hughes, M.K.,Overpeck,J.T.,

>>Keimig, F.T., and Gross, W.S.,Global Temperature Patterns in Past  
>>Centuries:An interactive presentation,Earth Interactions,  
>>submitted,2000. \*\*

>>

>>Thanks in advance!

>>

>>Gabi

>>

>>-----

>>Gabriele Hegerl

>>Dept. of Oceanography,Texas A&M University College Station,TX

>>77843-3146

>>979-458-3274 979-847-8879 (fax) NOTE NEW AREA CODE!

>>email: hegerl@bjerknes.tamu.edu

>> (word attachments: ghegerl@ocean.tamu.edu }

>>[http://bjerknes.tamu.edu/"hegerl/index.html](http://bjerknes.tamu.edu/)

>>-----

>>

>>

>

> Professor Michael E.Mann

> Department of Environmental Sciences,Clark Hall

> University of Virginia  
> Charlottesville,VA 22903  
>

>e-mail: mann@virginia.edu Phone:(804) 924-7770 FAX:(804) 982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.html>  
>

From: Sent: Cc:

Subject:

Jerry Comcowich <comco@soest.hawaii.edu> Monday, December 18, 2000 8:11 PM  
mehta@eos913.gsfc.nasa.gov

Test/Disregard- NASA-IPRC-CUVAR Workshop on Decadal Climate Variability

TEST/DISREGARD

a&bw/jmc

\*\*\*end\*\*\*

Attachment Converted: C:\Program Files\Eudora\Attach\draft-program.doc

NASA-IPRC-CLIVAR Workshop on Decadal Climate Variability East-West Center, Univ.of Hawaii,  
Manoa,Hawaii, USA

8-12 January 2001

Draft Program

Monday, 8 January 2000

8:00AM

8:30-9:15 AM

Continental breakfast

Opening remarks

Session 1: Decadal-multidecadal climate variability as seen via paleoclimate data

9:15AM Issues in simulating and estimating the true range of climate variability  
over the last 500 years

J.T. Overpeck, A.D. Robertson, D. Rind, E. Mosley-Thompson, G.A. Zielinski, J.L. Lean and R. Healy; Uni. v of  
Arizona, USA

9:35AM Dendroclimatic signals in long tree-ring records from  
high-elevation forests in the Nepal Himalayas Edward R. Cook and Paul J. Krusic; LDEO, USA

9:55AM Southeast Asian tree-ring data network: Potential for long-term dendroclimatic reconstruction of  
monsoon indices

Brendan Buckley, Rosanne D'Arrigo, Nathsuda Pumijumnong and Mike Barbetti; LDEO, USA

10:15 AM-10:45 AM Coffee break



10:45 AM Tropical decadal variability during the 19th century inferred from  
Indo-Pacific coral records

Julie Cole; Univ. of Arizona, USA

11:05 AM Observed North Atlantic multidecadal variability in proxy and instrument data

M.E. Mann and T.L. Delworth; Univ. of Virginia, USA

11:25 AM A comparison of the variability of a climate model with palaeo- temperature estimates from a  
network of tree-ring densities.

Mat Collins, Tim Osborn, Simon Tett, Keith Briffa, and Fritz Schweingruber; Univ.  
of Reading, UK

11:45 PM Quarter-Millennium Oscillation of global SST during last  
600 years

Liping Wang; Univ. of Maryland, USA

12:05 PM-1:30PM Lunch

\*\*\*\*\*

Session 2:

variability

Observations of decadal-multidecadal climate

1:30PM Warming of the earth's climate system

Sydney Levitus; NOAA/NODC, USA

2:10PM Tropical-subtropical ocean circulations and decadal climate variability

Vikram Mehta; Univ. of Maryland, USA

2:30PM Decadal Variability and Predictability in River Flows in

SE South America and Teleconnections with the NAO Andrew W. Robertson; UCLA, USA

2:50 PM Observations of atmosphere-ocean coupling in the North Atlantic

A.Czaja and J . Marshall; MIT,USA

3:10PM Decadal variations in the tropical South Atlantic and linkages to the Pacific

Kingtse Mo and Sirpa Hakkinen;NCEP,USA

3:30PM-4:00PM Coffee break

4:00PM Interdecadal Trends of OLR and Relative Humidity from NCEP/NCAR Reanalysis

Shi-Keng Yang, M. Kanamistu, Alvin J. Miller, and W. Ebisuzaki; NCEP, USA

4:20PM An Estimation of the Impact of Urbanization on North American Cities

Using NCEP/NCAR Reanalysis and Station Observations Eugenia Kalnay and Ming Cai; Univ.of Maryland, USA

4:40PM-6:30PM Discussion

Topic: Paleo-climate data

\*\*\*\*\*

Tuesday,9 January 2001

Session 2: (continued)

Observations of decadal-multidecadal climate variability

8:00AM Continental breakfast

8:30PM Variations in the atmospheric energy budget and surface fluxes

Kevin Trenberth; NCAR,USA

8:50AM Decadal-interdecadal SST variability and regional climate teleconnections

William K. M. Lau and H. Weng; NASA/GSFC, USA

9:10AM Interdecadal Variability of Climate in China During the 20th Century

Wang Shaowu;Institute for Atmospheric Physics,China

9:30AM The trends of planetary wave activities during recent 40 years in the Northern Hemisphere winter

Chen Wen; Institute of Atmospheric Physics,China

9:50AM Influence of the Recent Decadal Weakening of the East Asian

Winter Monsoon on the North Pacific Climate Hisashi Nakamura;Univ. of Tokyo,Japan

10:10 AM-10:40 AM Coffee break

10:40 AM Structure of decadal climate variability of the wind-driven gyre

Rui Xin Huang; Woods Hole Oceanographic Institution, USA

11:00 AM Pathways and variability of the shallow tropical-subtropical cell  
in the western Atlantic

F. Schott,M. Hamann,C. Boning,J. Kroger,M. Latif, K. Lohmann;Univ. of Kiel, Germany

11:20 AM

and

Temperature and Transport Variability in the Indonesian Sea

Southeastern Indian Ocean from longterm XBT sampling Susan Wijffels and Gary Meyers; CSIRO Division of  
Marine

Research, Australia

11:40 AM Observations of the time varying shallow tropical/subtropical overturning  
circulation in the Pacific Ocean

M. J. McPhaden and D. Zhang; NOAA/PMEL, USA

12:00 -1:30 PM Lunch

1:30PM Midlatitude Wind Forcing and Subduction of Temperature Anomalies

Tomoko Inui;MIT. USA

1:50PM Low-frequency Variability of the Kuroshio Extension System

and its Impact on the Wintertime SST Field in the Mid-latitude North Pacific Bo Qiu; University of Hawaii, USA

2:10PM Decadal variability of Kuroshio transport and midlatitude North Pacific SST

D. Zhang, W.E. Johns, T.N. Lee, and M.J. McPhaden; University of Washington, USA

Session 3: Interaction between natural decadal-  
multidecadal climate variability and anthropogenic climate change

2:30PM Forcings and chaos in decadal climate change: experiments with the

GISS

SI2000 model

James Hansen; NASA/GISS, USA

Session 4: Modeling and predictability of decadal-multidecadal climate variability

2:50PM Basin scale SST anomalies generated by NAO-like dipole forcing plus Gulf Stream advection

Martin Visbeck and Gerd Krahnemann; Lamont-Doherty Earth Observatory, USA

3:10PM Variability of North Atlantic heat transport and its effects on the atmosphere

R. Sutton and B. Dong; Univ. of Reading, UK

3:30PM        PREDICATE - Mechanisms and Predictability of Decadal Fluctuations in  
Atlantic European Climate

R. Sutton and D. Frame;Univ. of Reading, UK

3:50PM        Remote and Local Forcing Mechanisms for Decadal Variability in the  
Tropical  
and Subtropical Atlantic Ocean

Jiayan Yang and Terrence M. Joyce;Woods Hole Oceanographic Institution, USA

4:10 PM-4:30 PM    Coffee break

4:30 PM-6:00 PM    Discussion

Topic: Observed variability

6:00PM-        Reception

\*\*\*\*\*

Wednesday,10 January 2001

8:00AM        Continental breakfast

Session 4:

(continued)

Modeling and predictability of decadal

multidecadal climate variability

8:30AM Atmospheric Response to Changes in Atlantic Cross-equatorial

SST Gradient:Tropical Feedback and Extratropical Teleconnection Shang-Ping Xie, Y.Okumura, A. Numaguti and Y. Tanimoto; Univ. of Hawaii, USA

8:50 PM The low-frequency variability of the tropical Atlantic Ocean

Sirpa Hakkinen and Kingtse Mo; NASA Goddard Space Flight Center, USA

9:10PM Subtropical-tropical oceanic connections in the Atlantic

Alban Lazar; Univ. of Maryland,USA

9:30AM Multidecadal Variability in the South Atlantic

Ilana Wainer, Univ.of Sao Paolo, Brazil

9:50AM Decadal-scale variability in the Indonesian Throughflow

and its impact on the Indo-Pacific climate Roxana Wajsowicz; Univ.of Maryland, USA

10:10 AM-10:40 AM Coffee break

10:40 AM Anatomy of the Latif-Barnett Mode: Structures and Phasing

Arthur Miller,Niklas Schneider,and David Pierce; Scripps Institution of Oceanography, USA

11:00 AM Anatomy of the Latif-Barnett Mode: Feedbacks and

## Stochastic Resonance

Niklas Schneider, David Pierce, and Arthur Miller; Scripps Institution of Oceanography, USA

11:20AM Pacific Interdecadal Variability: analysis of observed upper ocean  
temperature and OGCM simulations

Yi Chao; Jet Propulsion Laboratory, USA

11:40 AM Multidecadal variability in a linear perturbation ocean model: A coupled  
upper-/deep-ocean mode

Jeff Drbohlav and Fei-Fei Jin; University of Hawaii, USA

12:00-1:30 PM Lunch

1:30PM Extratropical forcing of the Tropical Pacific: Anomaly propagation within the ventilated  
thermocline

Scott Harper and George Philander; Princeton Univ., USA

1:50 PM Decadal variations of the strength of the Pacific Subtropical Cells  
and their effect on the tropical heat balance Masami Nonaka, Shang-Ping Xie, and Julian P. McCreary, Jr.;  
Univ. of  
Hawaii, USA

2:10PM Decadal oscillation over the North Pacific simulated by a coupled ocean-  
atmosphere-land system model

Y. Yu, Y. Guo, X. Zhang; Institute of Atmospheric Physics, China

2:30PM Slow Free Modes of the Tropical Ocean Dynamical Adjustment

Fei-Fei Jin; Univ. of Hawaii, USA



2:50PM An atmospheric connection between the mid-latitudes and tropics  
on decadal time scales- model results and observational consistency Dan Vimont; University of Washington,  
USA

3:10PM Midlatitude air-sea interaction in an idealized coupled model  
Sergey Kravtsov, Andrew W. Robertson and Michael Ghil; UCLA, USA

3:30AM Comparisons of Decadal Variations of Measured Radiative Fluxes in the  
Tropics with Recent Climate Model Simulations.  
B. A. Wielicki, T. Wong, R. Allan, T. Slingo, B. Soden, T. Gordon, J. Kiehl, D.  
Randall, S.-K. Yang; NASA/Langley, USA

3:50AM Decadal Variations in Tropical Water Vapor: An Evaluation of Satellite  
Observations and a Model Simulation  
Brian J. Soden and Steven R. Schroeder; GFDL, USA

4:10PM-4:40PM Coffee break

4:40AM Decadal Variability in the NSIPP-1AGCM  
Siegfried Schubert and Max Suarez; NASA/Goddard Space Flight Center, USA

5:00PM-6:30PM Discussion  
Topic: Mechanisms

\*\*\*\*\*

Thursday, 11 January 2001

8:00AM Continental breakfast

Session 4: (continued)

Modeling and predictability of decadal multidecadal climate variability

8:30AM Tropical Pacific/Atlantic Ocean interactions at multi-decadal timescales

Mojib Latif;MPI,Germany

8:50AM Potential predictability in coupled models

George J. Boer;Canadian Center for Climate Modeling and Analysis,Canada

9:10AM The Relative Roles of Initial and Boundary Conditions in Decadal  
Climate

Predictability

Mat Collins and Myles Allen, Univ. of Reading, USA

Session 5: High-latitude ocean-ice-atmosphere processes that lead to decadal-multidecadal climate variability

9:30AM Decadal-scale sea ice variations and their relation to a seasonally varying  
index of the North Atlantic Oscillation

John E. Walsh, Brian T. Hill, William L. Chapman, and Diane H. Portis; Univ. of Illinois, USA

9:50AM Decadal variability of Arctic climate based on observations and model results

Andrey Proshutinsky, Naval Postgraduate School, USA

10:10 AM-10:40 AM Coffee break

10:40 AM Variability of deep convection and watermass transformation

in the Labrador Sea: Observations and model comparisons F. Schott, C. Mertens, J. Fischer, C. Boning, J. Dengg and C.

Eden; Univ. of Kiel, Germany

11:00 AM Simulated North Atlantic multidecadal variability

T.L. Delworth and M.E. Mann; GFDL, USA

11:20 PM Atlantic

Arctic freshwater export and its possible role in North

decadal climate variability

Andrew J. Weaver and Marika M. Holland; Univ. of Victoria, Canada

11:40 PM A Thermally Driven THC Oscillation In A Coupled GCM WeiCheng, Rainer Bleck, Claes Rooth, Univ. of Miami, USA

12:00 PM Decadal variability in high northern latitudes as simulated by

an intermediate-complexity climate model Frank Selten; KNMI, The Netherlands

12:20 PM-1:30 PM Lunch

1:30PM Stratospheric-Tropospheric Interactions: Their Role in the Arctic Oscillation

Brent A. McDaniel; Georgia Institute of Technology, USA

1:50PM Tri-Decadal Variations in the NE Pacific Sub-polar Gyre and Related Climate Indices

Gary S.E. Lagerloef; Earth and Space Research, USA

2:10PM Low-frequency Variability of the Kuroshio Extension System

and its Impact on the Wintertime SST Field in the Mid-latitude North Pacific Bo Qiu; University of Hawaii, USA

Session 6: Interaction between natural decadal-multidecadal and interannual climate variabilities

2:30PM PDO Modification of U.S. ENSO Climate Impacts

James J. O'Brien and Mark C. Bove; Florida State University, USA

2:50PM Influence of North Pacific Oscillation SST patterns on ENSO/North America Teleconnections

David W. Pierce, Tim P. Barnett, and Niklas Schneider; Scripps Institution of Oceanography, USA

3:10PM Decadal Variations in the atmospheric response to ENSO Arun Kumar; NCEP, USA

3:30PM Interdecadal modulation of ENSO's impact on Australia in observations

and a coupled general circulation model and its implications for seasonal forecasting of wheat yields Scott Power, Rob

Colman, Holger Meinke; BMRC, Australia

3:50PM Tropical Pacific SST decadal variability and interannual teleconnections

with Australian rainfall

Gerald A. Meehl and Julie M. Arblaster; NCAR, USA

4:10PM-4:00PM Coffee break

4:20PM Possible Roles of Atlantic Oscillations on the Weakening Indian Monsoon - ENSO Relationship

C.-P. Chang, P. A. Harr and J. Ju;Naval Postgraduate School, USA

4:40PM ENSO and the Asian-Australian monsoon in a new version of the MRI coupled GCM  
Akio Kitoh,Seiji Yukimoto and Yoshiteru Kitamura;MRI,Japan

5:00PM The Relationship between Westerly Wind Bursts and ENSO and its Decadal Variability  
Lisan Yu; Woods Hole Oceanographic Institution, USA

5:20PM-6:30PM Discussion

\*\*\*\*\*

Friday,12 January 2001

8:00AM Session 6: (continued)

8:30AM Pacific?

Continental breakfast

Interaction between natural decadal-multidecadal and interannual climate variabilities

Is Decadal Variability in the Pacific generated in the Equatorial

Mark A. Cane and Alicia Karspeck; Lamont-Doherty Earth Observatory, USA

8:50AM A Delayed Action Oscillation Mechanism Shared by Biennial,

Interannual, and Decadal Signals in the Pacific Basin Warren B. White, Yves M. Tourre, Balaji Rajagopalan, Yochanan

Kushnir, Mathew Barlow; Scripps Institution of Oceanography, USA

9:10AM Evidence of decadal trends observed in the Pacific and the Indian  
Oceans

and Atmospheres and their role in the ENSO events predicted with a coupled ocean-atmosphere model over 1980-2000

Claire Perigaud, Pierre Florenchie and JP Boulanger; Jet propulsion Laboratory, USA

9:30AM Decadal Amplitude Modulations of ENSO: Physical Mechanism and  
Predictability

A. Timmermann; IPRC Hawaii, USA

9:50AM

ENSO Modulation: 1960-1980 versus 1980-2000

liping Wang;University of Maryland, USA

10:10 AM events Q.Zhang

Decadal variability and anomalous development of 1990s ENSO

10:30 PM-11:00 AM Coffee break

Session 7: Observing and data assimilation systems for decadal- multidecadal climate variability

11:00 AM A Plan for Measuring Climatic Scale Global Precipitation

Variability: The

Global Precipitation Mission

Eric A. Smith;Florida State University, USA

11:20 AM Ocean observing system requirements for decadal climate variability

C. Koblinsky; NASA/Goddard Space Flight center,USA

11:40 AM Prospects for observing long-term variability with sea surface heights

Gary T. Mitchum; Univ.of South Florida, USA

12:00 Detecting decadal variability using data assimilation

James A. Carton; Univ. of Maryland,USA

12:20 PM-1:30PM Lunch

1:30 PM-5:00PM Discussion

5:00PM End of Workshop

1

1

Attachment Converted: C:\Program Files\Eudora\Attach\draft-program.win95.doc

From: Sent: To: Cc:

Subject:

Michael E. Mann <mann@multiproxy.evsc.virginia.edu> Friday, November 17, 2000 1:01PM

Jennifer Giesler

Verardo, David J.; mann@virginia.edu

Re: workshop in Charlottesville



Dear Jennifer,

Thanks for your message.

Below are the email addresses for the invitees. Since we only have a total of 10K for reimbursing expenses for workshop invitees, I expect we should indicate in our letter that there is a maximum level of roughly \$650 reimbursement available, with possible exceptions for individuals in need, and we expect individuals to supplement costs with other available funds. That would leave behind an addition 1K which we could use to fully reimburse some of the more junior

people like Hughen, Evans, Reichart who aren't as well funded as the more senior invitees].

LIST:

R. Bradley M. Hughes J. Overpeck T. Crowley E. Cook

R. Webb

M.Cane

rbradley@geo.umass.edu mhughes@ltrr.arizona.edu jto@u.arizona.edu tom@ocean.tamu.edu

drdendro@ldeo.columbia.edu rwebb@cdc.noaa.gov

mcane@ldeo.columbia.edu

M. Evans mevans@ldeo.columbia.edu D. Battisti david@atmos.washington.edu K. Hughen khughen@whoi.edu

J. Lean jlean@ssdS.nrl.navy.mil

J. Cole jcole@geo.arizona.edu

E. Sarachik sarachik@atmos.washington.edu

B. Reichart reichert@dkrz.de (will reside in U.S. as of Spring '01)

D. Verardo NSF dverardo@nsf.gov (TRAVEL COSTS COVERED BY NSF?)

M. Eakin NOAA (ESH) mark.eakin@noaa.gov (TRAVEL COSTS COVERED BY NOAA)

C. Woodhouse NOAA woodhous@ngdc.noaa.gov (TRAVEL COSTS COVERED BY NOAA)

At 05:37 PM 11/10/00-0500, Jennifer Giesler wrote:

>Dear Dr. Mann,

>

>I will need e-mails for all the meeting attendees. Either my assistant

>or

I will

>send an e-mail out to everyone at once discussing the logistics. We can prepare

>advances and charge airfare directly to AGU (so that people don't need

>to use their credit card) to help save the attendees money.

>

>I ask each person to respond to our message with their address and then

>we mail

>them the appropriate forms. I will tell everyone that receipts are

>NEEDED for EVERYTHING or they will not be reimbursed. Since these are

>NSF funds I

have to

>account for where they are spent.

>

>I will be attending the GSA meeting next week and won't be back in the

>office untill/20.

>

>Please feel free to contact me if you have any questions.

>

>Jennifer Giesler

>\*\*\*\*\*

>Jennifer Giesler

>Career Services Manager

>American Geophysical Union

>2000 Florida Avenue, NW

>Washington, DC 20009

>p: (202) 777-7512

>f: (202) 328-0566

>jgiesler@agu.org

>\*\*\*\*\*

>

>"Michael E. Mann" wrote:

>

>> Dear Jennifer,

>>

»Thanks in advance for your help. I would like to invite the following

»14 U.S. scientists+3 govt. agency representatives to this event. I

»am hoping that some can supplement travel costs,and the available

»IOK will be used for the rest.

>>

»R. Bradley Geosciences Department,University of Massachusetts, Amherst MA

»M. Hughes (Laboratory ofTree Ring Research,University of Arizona;

»currently on leave at Geosciences Dept., Univ of Massachusetts, Amherst, MA }

»J . Overpeck (Inst.for Study of Planet Earth,University of Arizona }

>>

»T. Crowley (Texas A&M Univ,College Station TX)

»E. Cook (Lamont Doherty,Columbia Univ }

»R. Webb (NOAA/CDC Boulder CO)

»M. Cane (Lamont Doherty,Columbia Univ }

»M.Evans (Harvard Univ, Earth and Planetary Sciences)  
»D. Battisti (Dept. of Atmospheric Sciences, University of Washington}  
»K. Hughen (Woods Hole)  
» J. Lean (Naval Research Laboratory)  
»J. Cole (U. Arizona geology dept)

»E. Sarachik (Oceanography Dept., University of Washington) B.  
»Reichert (Dept. Geology & Geophysics, University of Massachusetts)

>>

»The following govt. agency program representatives will also be  
»invited and should be able to cover their costs:

>>

»D. Verardo NSF

»M.Eakin NOAA (ESH)

»C. Woodhouse NOAA

»>From:"Verardo, David J." <dverardo@nsf.gov>

»>To:"jgiesler@agu.org" <jgiesler@agu.org>

»>Cc: "mann@virginia.edu" <mann@virginia.edu>

»>Subject: workshop in Charlottesville

»>Date: Thu,9 Nov 2000 12:18:21-0500

»>X-Mailer: Internet Mail Service (5.5.2650.21)

>>>

»>Dear Jennifer,

»>NSF will provide \$10,000 out of the AGU grant towards funding the workshop;

»>>"Reconstructing Late Holocene Climate"

»>in Charlottesville, Va. 17-20 April2000. Michael Mann in the

»>Department of Environmental Sciences at the University of Virginia

»>is organizing the workshop. Thanks in advance for your help!

>>>

»>>>Contact info:

»»Michael E. Mann

» >Department of Environmental Sciences, Clark Hall University of

»»Virginia Charlottesville, VA 22903

»»e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137

>> >

»»Mike, please contact Jennifer Giesler at AGU (202-777-7512;

>> >jgiesler@agu.org) to talk about details (i.e., names and contact

»»info for participants, logistics, etc.).

>> >Regards,

>>>Dave

>>>

>> >

>>>David J. Verardo

>> >Director, Paleoclimate Program

»»National Science Foundation

»»GEO/ATM Room 775

»»4201 Wilson Boulevard

»»Arlington, VA 22230

»»tel: 703-292-8527

»»fax: 703-292-9023

»»email: dverardo@nsf.gov

>>>

>> >

>> >

>>

» Professor Michael E. Mann

» Department of Environmental Sciences, Clark Hall

>> University of Virginia

>> Charlottesville, VA 22903

>>

»e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137

» <http://www.evsc.virginia.edu/faculty/people/mann.html>

>

>

>

Professor Michael E. Mann

Department of Environmental Sciences, Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX:(804) 982-2137

<http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To:

Subject:

Michael E. Mann <mann@virginia.edu> Sunday, November 12, 2000 7:10 PM Michael E. Mann

REPLY TO J . GEISLER

>Date: Fri,10 Nov 2000 17:37:49 -0500

>From: Jennifer Giesler <JGiesler@agu.org>

>Subject: Re: workshop in Charlottesville

>To: "Michael E. Mann" <mann@multiproxy.evsc.virginia.edu>

>Cc: "Verardo, David J." <dverardo@nsf.gov>

>Organization:AGU

>X-Accept-Language: en,pdf

>References:

><3.0.6.32.20001109140350.00b43cfO@multiproxy.evsc.virginia.edu>

>

>Dear Dr. Mann,

>

>I will need e-mails for all the meeting attendees. Either my assistant

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will

>send an e-mail out to everyone at once discussing the logistics. We can

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>Jennifer Giesler

>\*\*\*\*\*

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>Career Services Manager

>American Geophysical Union

>2000 Florida Avenue,NW

>Washington, DC 20009

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>f:(202) 328-0566

>jgiesler@agu.org

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»C. Woodhouse NOAA

»>From: "Verardo,David J ." <dverardo@nsf.gov>

»>To: "jgiesler@agu.org" <jgiesler@agu.org>

»>Cc: "mann@virginia.edu" <mann@virginia.edu>

»>Subject: workshop in Charlottesville

»>Date: Thu,9 Nov 2000 12:18:21 -0500

»>X-Mailer: Internet Mail Service (5.5.2650.21)

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»>Virginia Charlottesville,VA 22903

»>e-mail: mann@virginia.edu Phone:(804) 924-7770 FAX: (804) 982-2137

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»»Arlington,VA 22230

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»»fax:703-292-9023

»»email: dverardo@nsf.gov

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<http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To:

Subject:

Michael E. Mann <[mann@virginia.edu](mailto:mann@virginia.edu)> Sunday, November 12, 2000 2:10 PM Me

REPLY TO J. GEISLER

>Date: Fri, 10 Nov 2000 17:37:49-0500

>From: Jennifer Giesler <[JGiesler@agu.org](mailto:JGiesler@agu.org)>

>Subject: Re: workshop in Charlottesville

>To: "Michael E. Mann" <[mann@multiproxy.evsc.virginia.edu](mailto:mann@multiproxy.evsc.virginia.edu)>

>Cc: "Verardo, David J." <[dverardo@nsf.gov](mailto:dverardo@nsf.gov)>

>Organization: AGU

>X-Accept-Language: en, pdf

>References:

><3.0.6.32.20001109140350.00b43cf0@multiproxy.evsc.virginia.edu>

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From: Sent: To:

Cc:

Subject:

Jennifer Giesler <JGiesler@agu.org> Friday, November 10, 2000 5:38 PM Michael E. Mann

Verardo, David J.

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From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@multiproxy.evsc.virginia.edu> Thursday, November 09, 2000 2:04 PM  
jgiesler@agu.org

mann@virginia.edu

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<http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To:

Subject:

Jonathan Overpeck <jto@u.arizona.edu> Tuesday, November 07, 2000 11:13 AM Michael E. Mann

Re: spring workshop

>Hi Mike - I'd like to attend and will need support to do so. The only  
>hitch is that I may have to be in Nepal for collaborative research  
>then. Won't know until NSF and colleagues weigh in, but the trick is to  
>do the work pre-monsoon. But, for now count me in if you have the  
>travel support to help. Sounds like a good event. Thx!  
>Peck

> Dear all,

>

>I wanted to informally alert you to a workshop  
> "Reconstructing Late Holocene Climate"  
>to be held in Charlottesville, Va. 17-20 April 2000, which we hope you will  
>be able to attend. The workshop will examine both modeling and empirical  
>approaches to the problem of reconstructing climate over the past  
>one-to-several millennia.

>

>This is a PAGES/CUVAR sanctioned workshop, and will be co-organized by  
>myself and Hans von Storch of GKSS, involving approximately 40 total  
>participants  
>from the U.S. and Europe. Unfortunately, we are limited to about 15  
>participants from the U.S., and coming up w/ such a short list has been  
>difficult.

>

>Limited travel support should be available. Please confirm whether or not

>you expect to be able to attend, and let me know if you have any questions.

>

>Futher details and an official invitation will follow in the future.

>

>best regards,

>

>mike mann

>

>

>

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Jonathan T.Overpeck

Director,Institute for the Study of Planet Earth

Professor, Department of Geosciences

Mail and Fedex Address:

Institute for the Study of Planet Earth

715 N.Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721



direct tel: +1520 622-9065 fax: +1520 792-8795 [http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html)  
<http://www.ispe.arizona.edu/>

From: Sent: To:

Subject:

Hans.von.Storch@gkss.de on behalf of Hans von Storch <Hans.von.Storch@gkss.de> Monday, November 06, 2000 4:39 PM

Michael E. Mann

Re: charlotteville

Thanks, Mike, and Good Night! Hans

"MichaelE.Mann" wrote:

> Dear all,

>

> I see no problem in terms of numbers.As long as the individuals can

>support expenses through a combination of internal and govt. support,

> I think this is fine...

>

> In the case of the U.S., we will probably be supporting about 12-15

> individuals w/ a budget of \$8,000 (after taking out expenses for

> facilities, and administrative assistant)...

>

> mike

>

>At 10:29 PM 11/6/00 +0100, Hans von Storch wrote:

>>Hi folks (hi folk, for at bruge et skandinavisk sprog),I have a

>>problem with the number of German participants (own funding) ...we

>>have 12, but we aimed at 10.The reason is that we have so many

>>partners in our KIHZ project. Do you think that's a problem? Names are given on the attached

>>webpage. hans <http://w3g.gkss.de/staff/storch/charlotteville.money.htm>

>>--

>>-----

>> Hans von Storch

>> Institute of Hydrophysics; GKSS Research Center

>> Max-Planck-Strasse; 21502 Geesthacht;Germany

>> Phone: +49 (4152) 87-1831; fax:+49 (4152) 87-2832

>> home fax: +49 4153 582 522 ph + 49 4153 543 36

>> <http://w3g.gkss.de/staff/storch> Content-type:

>>text/html;name=charlotteville.money.htm;charset=us-ascii

>>Content-disposition: inline;filename=charlotteville.money.htm

>>Content-transfer-encoding: 7BJT Content-Base:

>>"<http://w3g.gkss.de/staff/storch/charlotteville.money.htm>"

>>Content-Location: "<http://w3g.gkss.de/staff/storch/charlotteville.money.htm>"

>> Workshop: "Reconstructing Late Holocene Climate"

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>>Virginia), Hans von Storch (GKSS Research Centre,Germany), Nanne

>>Weber (KNMI, Netherlands),Heinz Wanner (U of Bern,Switzerland) and

>>&Oslash;yvind Nordli (Norway) others). We expect costs for

>> and on-site and preparational organisational work:\$ 2500

>>- travel costs for invitees: \$2500 for UK and others,\$1000 for UK.

>>Thus,we would need funding of 32,500\$. The following amounts have

>>been tentatively agreed to: 10,000\$ from US agencies

>>10,000 \$from German agencies (confirmed by Storch)

>> 5,000 \$from Dutch agencies (confirmed by Weber)  
>> 5,000 \$from Swiss agencies (confirmed by Wanner)  
>> 2,000 \$ from Norwegian agencies (confirmed by Nordli) Additionally,  
>>we could charge a moderate fee from the participants for covering unexpected  
>>costs. this webpage  
>>  
>> Suggested participants from participating partners:  
>> US: M. Mann, R. Bradley, Hughes, J. Overpeck, T. Crowley, E. Cook, R.  
>> Webb, M. Cane, M. Evans, D. Battisti, K. Hughen, J. Lean, J. Cole, H.  
>> Diaz, B. Reichert (15) D: H. von Stech. F. Gonzalez, J. Jones, M. Widmann, J.  
>> Negendank, A. Schwalb, Brathauer, H. Miller, M. Schwager, U. Cubasch, A.  
>> L&uuml;cke, D. Handorf (12) NL: N. Weber, G. vander Schrier, H. Renssen, B.  
>> van Geel, R. vanderWal (5, max 5) CH: H. Wanner, C. Pfister, T.  
>> Stocker, J. Luterbacher (4) N: &Oslash;vind Nordli, Eiliv Larsen and  
>> Hans Petter Sejrup, (3)  
>>  
>>  
>> The Europeans select 9 invitees from this list R. Glaser  
>> (W&uuml;rnberg), M. Claussen (D), Barriendos (Barcelona, ES), Brazdil  
>> (Brno, CZ), P. Jones, K. Briffa, T. Osborn (UK), J. Guiot (F), J.  
>> Beer(?), K. R. Laird, D. Verschuren or F. Gasse (N. African lakes),  
>> J. P&uuml;tzold or T. Felis (Bremen). (Sofar 14)  
>>  
>> Other participants (no costs)  
>> Mark Eakin (NOAA), Steve Coleman (NSF)  
>>  
>>  
>>  
>>  
>

> Professor Michael E. Mann  
> Department of Environmental Sciences, Clark Hall  
> University of Virginia  
> Charlottesville, VA 22903  
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Heinz Wanner; Oyvind Nordli; Michael E. Mann; weber@knmi.nl; jones@gkss.de

charlottesville

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<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
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```
<meta name="Author" content="Hans von Storch">
```

```
<meta name="GENERATOR" content="Mozilla/4.73 [en] (X11; U;SunOS 5.5.1sun4m) [Netscape]"> </head>
```

```
<body text="#000000" bgcolor="#FFFFFF" link="#0000FF" vlink="#FF0000" alink="#000088">
```

```
<font size=+2>Workshop: "Reconstructing Late Holocene Climate"</font> <p>in Charlottesville, Va.
```

```
<p>17-20 April 2001
```

```
<p><u>Covenors:</u> Mike Mann (U of Virginia), Hans von Storch (GKSS Research Centre,Germany),  
Nanne Weber
```

```
(KNMI, Netherlands),Heinz Wanner (U of Bern, Switzerland) and &Oslash;yvind Nordli (Norway)
```

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<p>We expect about 50 participants, about 35 would come from various interested partners (for instance:10  
US,10
```

German,5 Dutch,5 Swiss and 3 Norwegian

+ 2 others). These participants would cover their own travel costs.

+ Another

15 participants would be invited (for instance 5 US,5 UK,5 others).

<p>We expect costs for

<br>- local arrangement&nbsp; and on-site and preparational organisational

work:\$ 2500

<br>- travel costs for invitees:\$2500 for UK and others, \$1000 for UK.

<p>Thus, we would need funding of 32,500\$.

<p>The following amounts have been tentatively agreed to:

<p>10,000 \$ from US agencies

<br>10,000 \$from German agencies (confirmed by Storch) <br>&nbsp;5,000\$ from Dutch agencies (confirmed by Weber) <br>&nbsp;5,000 \$ from Swiss agencies (confirmed by Wanner) <br>&nbsp; 2,000 \$ from Norwegian agencies (confirmed by Nordli) <p>Additionally, we could charge a moderate fee from the participants for covering unexpected costs.

<p>Purpose and scope of the workshop are described in&nbsp;<a

href="http://w3g.gkss.de/staff/storch/charlottevilie.0401.htm" this webpage</a>

<br>&nbsp;

<br>

<u>Suggested participants from participating partners:</u> <br>

<p>US: M. Mann, R.Bradley, Hughes,J. Overpeck, T. Crowley, E. Cook, R. Webb, M. Cane, M. Evans, D. Battisti, K. Huguen, J. Lean,J. Cole,H. Diaz, B. Reichert (15)

<p>D: H. von Stach.F. Gonzalez,J.Jones,M. Widmann,J. Negendank,A. Schwalb,Brathauer,H. Milller, M. Schwager, U. Cubasch, A. L&uuml;cke, D. Handorf (12)

<p>NL:N. Weber,G.vander Schrier, H. Renssen, B. van Geel, R. vanderWal (5,max 5)

<p>CH: H. Wanner, C. Pfister, T. Stocker,J . Luterbacher (4)

<p>N: &Oslash;vind Nordli, Eiliv Larsen and Hans Petter Sejrup, (3)

<br><br><br><u>The Europeans select 9 invitees from this list</u>

<br>R. Glaser (W&uuml;rzburg),M. Claussen (D),Barriendos (Barcelona, ES), Brazdil (Brno,CZ),P. Jones, K. Briffa, T. Osborn (UK), J . Guiot (F),J. Beer(?), K.R. Laird, D. Verschuren or F. Gasse (N.African lakes),J.P&uuml;zold or T. Felis (Bremen). (Sofar 14)

<br><br><u>Other participants</u> (no costs) <br>Mark Eakin (NOAA),Steve Coleman (NSF)

<br>&nbsp;

<br>&nbsp;

<br>&nbsp;

<br>&nbsp;

</body>

</html>

From: Sent: To: Subject:

Michael E. Mann <mann@virginia.edu> Monday, March 19, 2001 3:29 PM mann@virginia.edu

Re: Workshop participants

<x-html>

<html>

Dear All,<br>

<br>

Here is my first stab at a program. Comments welcome. We should get this first draft out to the participants before I

leave for EGS (this Friday).

When we've finalized a first draft, we can send it out to the list of participants to (a) confirm that they don't object to their roles/slots and (b) get an actual title for their specific contribution.<br> <br> Right now,I have many question marks indicated next to participants from whom I have little information. In some cases,I have put names in a

&quot;Miscellaneous&quot; category because I have no idea at all what these individuals might want to talk about. I would appreciate feedback from you on this. Only those participants who have confirmed their attendance (either through Brenda as indicated on spreadsheet, or through me specifically) are currently in the program.<br> <br> I'll look forward to receiving comments...<br> <br> mike<br> <br> p.s.Brenda: please look over to make sure that the times, events etc.

are consistent, and if there is anything I've forgotten...<br> <br> Also, can you doublecheck w/ Jennifer Geisler on

indicated U.S.

participants. For example,I know that Evans,Cane, Reichert have all indicated to me they are coming,yet they aren't on the list. What about Battisti? Sarachik? We need to know quick...<br> &nbsp;<br> <br> <br> Century-scale/Millennia! Continental Drought<br> <br> Malcolm Hughes<br> Connie Woodhouse<br> Kate Laird<br> Harvey Weiss<br> <br> Reconstructions of&nbsp;   North Atlantic Climate Variability<br> <br> E. Cook<br> J. Luterbacher<br> H. Wanner<br>

<br> ENSO and records of tropical variability<br> <br> Mark Cane<br> Julie Cole<br> Mike Evans<br> Konrad Hughen<br> O. Nordli<br> <br> Large-Scale EmpiricalClimate Reconstruction<br> <br> Ray Bradley<br> Scott Rutherford<br> Alexey Kaplan<br> Keith Briffa<br> <br> Empirical and Model-Based Assessments of Forcings and Forced

Climate Variability<br> <br> Jonathan Overpeck<br> Tom Crowley<br> Judith Lean<br> H. Renssen<br> F. Wagner<br>

R. Webb<br> <br> <br> Modei/PaleoData Comparison and Paleodata Model Assmi

ilation<br> <br> Van der Schrier<br>





special issue of *Journal of Climate*; other matters?)<br>

12:00 end of workshop</html>

</x-html>

From: Sent: To:

Subject:

Michael E. Mann <mann@virginia.edu> Monday, March 19, 2001 10:29 AM mann@virginia.edu

Re: Workshop participants

<html>

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<br>

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Jennifer Geisler on indicated U.S. participants. For example, I know that Evans, Cane, Reichert have all indicated to me

they are coming, yet they aren't on the list. What about Battisti? Sarachik? We need to know quick...<br> &nbsp;<br>

<br> <br> Century-scale/Millennial Continental Drought<br> <br> Malcolm Hughes<br> <br> Connie Woodhouse<br> <br> Kate Laird?<br> <br> Harvey Weiss<br> <br> Reconstructions of &nbsp;North Atlantic Climate Variability<br> <br> E. Cook<br> <br> J. Luterbacher<br> <br> H. Wanner<br> <br> ENSO and records of tropical variability<br> <br> Mark Cane<br> <br> Julie Cole<br> <br> Mike Evans<br> <br> Konrad Hughen<br> <br> O. Nordli<br> <br>

Large-Scale Empirical Climate Reconstruction  
Ray Bradley  
Scott Rutherford  
Alexey Kaplan  
Keith Briffa  
Empirical and Model-Based Assessments of Forcings and Forced Climate Variability  
Jonathan Overpeck  
Tom Crowley  
Judith Lean  
H. Renssen  
F. Wagner  
R. Webb  
Modei/PaleoData Comparison and Paleodata Model Assimilation  
Vander Schrier  
Nanne Weber  
J. Jones (yes?)  
M Widmann (yes?)  
B. Reichert  
Von Storch (Hans: do you want to speak?)  
Miscellaneous  
M.Barriendos  
R. Brazdil  
J. Guiot  
D. Handorf  
H. Weiss

*Reconstructing Late Holocene Climate*  
Charlottesville, Virginia  
April 17-20, 2001

a scientific workshop sponsored by PAGES/CLIVAR, NSF and NOAA (Earth Systems History), European organizations??  
Day 1: Tuesday April 17

8:30 AM: Welcoming Remarks (M. Mann; H. von Storch)

Logistics  
(Brenda

Morris)  
SESSION 1 (Session Chair: M. Mann  
Rapporteur:

Discussion (15 minutes; Discussion Leader: R. Bradley)  
R. Bradley  
Scott Rutherford

12:30 PM: Lunch

5:30 PM Break for Day

Day 2: Wednesday April 18

5:30 PM Break for Day

Day 3: Thursday April 19

5:30-7:00 pm Reception, Mural Room, Clark Hall  
Day 4: Tuesday April 20

12:00: Meeting Ends  
Discussion

(Discussion leaders: M. Mann, H. Von Storch)  
(Paleoclimate research priorities; meeting article; possible

special issue of *Journal of Climate*; other matters?}

12:00 end of workshop</html>

From: Sent: To:

Subject:

Michael E. Mann <mann@virginia.edu> Monday, March 19, 2001 10:20 AM Brenda Morris

Re: Workshop participants

<html>

Dear All,<br>

<br>

Here is my first stab at a program. Comments welcome. We should get this first draft out to the participants before I leave for EGS (this Friday). When we've finalized a first draft, we can send it out to the list of participants to (a) confirm that they don't object to their roles/slots and (b) get an actual title for their specific contribution.<br> <br> Right now, I have many question marks indicated next to participants from whom I have little information. In some cases, I have put names in a "Miscellaneous" category because I have no idea at all what these individuals might want to talk about. I would appreciate feedback from you on this. Only those participants who have confirmed their attendance (either through Brenda as indicated on spreadsheet, or through me specifically) are currently in the program.<br> <br> I'll look forward to receiving comments...<br> <br> mike<br> <br> p.s. Brenda: please look over to make sure that the times, events etc. are consistent, and if there is anything I've forgotten...<br> <br> Also, can you doublecheck w/

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Laird?<br> Harvey Weiss<br> <br> Reconstructions of &nbsp;   North Atlantic Climate Variability<br> <br> E. Cook<br> J. Luterbacher<br> H. Wanner<br> <br> ENSO and records of tropical variability<br> <br> Mark Cane<br> Julie Cole<br> Mike Evans<br> Konrad Hughen<br> O. Nordli<br> <br> Large-Scale Empirical Climate Reconstruction<br> <br> Ray Bradley<br> Scott Rutherford<br> Alexey Kaplan<br> Keith Briffa<br> <br> Empirical and Model-Based Assessments of Forcings and Forced Climate Variability<br> <br> Jonathan Overpeck<br> Tom Crowley<br> Judith Lean<br> H. Renssen<br> F. Wagner<br> R. Webb<br> <br> <br> Modei/PaleoData Comparison and Paleodata Model Assimilation<br> <br> Vander

Schrier  
Nanne Weber  
J. Jones (yes?)  
M Widmann (yes?)  
B. Reichert  
Von Storch (Hans: do you want to speak?)  
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*Reconstructing Late Holocene Climate*  
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SESSION 1 (Session Chair: M. Mann; Rapporteur:

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12:30 PM: Lunch

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5:30-7:00 pm Reception, Mural Room, Clark Hall  
Day 4: Tuesday April 20

12:00: Meeting Ends  
Discussion

{Discussion leaders: M. Mann, H. Von Storch} &nbsp; {Paleoclimate research priorities; meeting article; possible special issue of *Journal of Climate*; other matters?}

12:00 end of workshop

From: Sent: To:

Subject:

Michael E. Mann <mann@virginia.edu> Monday, March 19, 2001 10:09 AM Brenda Morris

Re: Workshop participants

<html>

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<br>

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R. Webb<br> <br> <br> Modei/PaleoData Comparison<br> <br> Van der Schrier<br> Nanne Weber<br> <br> Model-Based Paleoclimate Data Assimilation Approaches<br> <br> J. Jones (yes?)<br> M. Widmann (yes?)<br> B. Reichert<br> Von Storch (Hans: do you want to speak?)<br> <br> Miscellaneous<br> <br> M. Barriendos<br> R. Brazdil<br> J.

Guiot<br> D. Handorf<br> H. Weiss<br> <br>

<br>

<br><i>Reconstructing Late Holocene Climate<br> <br> </i>Charlottesville, Virginia<br> April 17-20, 2001<br> <br>

**a scientific workshop sponsored by PAGES/CLIVAR, NSF and NOAA (Earth Systems History), European organizations???**

**Day 1: Tuesday April 17**

**8:30 AM: Welcoming Remarks (M. Mann; H. von Storch)**

**Logistics (Brenda**

**Morris) SESSION 1 (Session Chair: M.Mann Rappateur:**

**<br>**

**Discussion (15 minutes; Discussion Leader: R. Bradley R. Bradley Scott Rutherford**

**12:30 PM: Lunch**

**<br>**

**5:30PM Break for Day**

**<br>**

**Day 2: Wednesday April 18**

**<br>**

**5:30 PM Break for Day**

**<br>**

**Day 3: Thursday April 19**

**<br>**

**5:30-7:00 pm Reception, Mural Room, Clark Hall Day 4: Tuesday April 20**

**12:00: Meeting Ends Discussion**

**(Discussion leaders: M. Mann, H. Von Storch) (Paleoclimate research priorities; meeting article; possible**

**special issue of Journal of Climate; other matters?)**

**12:00 end of workshop**

**From: Sent: To:**

**Subject:**

**Michael E. Mann <mann@virginia.edu> Monday, March 19, 2001 9:58 AM Brenda Morris**

**Re: Workshop participants**





5:30 PM Break for Day<br>

<br>

<b>Day 2: Wednesday April 18<br>

<br>

</b>5:30 PM Break for Day<br>

<br>

<b>Day 3: Thursday April 19<br>

<br>

</b>5:30-7:00 pm Reception, Mural Room, Clark Hall<br> <br> <b>Day 4: Tuesday April 20<br> <br>

</b>12:00: Meeting Ends<br> Discussion<br>

(Discussion leaders: M.Mann, H. Von Storch)<br> &nbsp;(Paleoclimate research priorities; meeting article; possible

special issue of <i>Journal of Climate</i>; other matters?)<br>

12:00 end of workshop</html>

From: Sent: To: Cc:

Subject:

Jonathan Overpeck <jto@u.arizona.edu> Wednesday, March 14, 2001 11:06 AM Michael E. Mann

Keith Alverson

Re: Amsterdam

<X-flowed>

Hi guys- I have a tentative ok from David L, but let me confirm with David to be safe. Reminders are always welcome! Cheers, Peck

>Hi Keith,

>

>I haven't yet heard from David Legler...

>

>mike

>

>At 12:04 PM 3/14/01+0100, Keith Alverson wrote:

» Hi Mike and Peck,

>>

» My working assumption in finalizing our budget for the CLIVAR/PAGES

» meeting in Amsterdam is that your costs for attending the CLIVAR/PAGES

>>meeting as well as any days you spend at the Open Science Congress in

»Amsterdam are being covered by David Legler at the US CLIVAR office,

» who should have contacted each of you in this regard. Can you confirm that this is correct.

>>Thanks.

>>

» Keith

>>--

» Keith Alverson

>>Executive Director

» PAGES International Project Office

» Barenplatz 2,3011Bern

»Switzerland

» <http://www.pages-igbp.org>

» Tel: +4131312 3133

»Fax: +4131312 3168

>

>

> Professor Michael E. Mann

- > Department of Environmental Sciences, Clark Hall
- > University of Virginia
- > Charlottesville, VA 22903
- >

>e-mail:mann@virginia.edu Phone: (804) 924-7770 FAX: {804) 982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.shtml>

Jonathan T. Overpeck

25

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Director, Institute for the Study of Planet Earth Professor, Department of Geosciences

Mail and Fedex Address:

Institute for the Study of Planet Earth

715 N. Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721

direct tel: +1520 622-9065

fax: +1520 792-8795 [http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html) <http://www.ispe.arizona.edu/>

</x-flowed>



26

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From: Sent: To: Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Wednesday, March 14, 2001 10:14 AM Keith Alverson

Mike Mann; Jonathan Overpeck; Elke Bergius

Re: Amsterdam

<x-flowed> Hi Keith,

I haven't yet heard from David Legler... mike

At 12:04 PM 3/14/01+0100, Keith Alverson wrote:

>Hi Mike and Peck,

>

>My working assumption in finalizing our budget for the CLIVAR/PAGES

>meeting in Amsterdam is that your costs for attending the CLIVAR/PAGES

>meeting as well as any days you spend at the Open Science Congress in

>Amsterdam are being covered by David Legler at the US CLIVAR office,

>who should have contacted each of you in this regard. Can you confirm that this is correct.

>Thanks.

>

>Keith

>-

>Keith Alverson

>Executive Director

>PAGES International Project Office

>Barenplatz 2, 3011 Bern

>Switzerland

><http://www.pages-igbp.org>

>Tel: +4131 312 3133

>Fax:+4131312 3168

Professor Michael E. Mann

Department of Environmental Sciences, Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail: [mann@virginia.edu](mailto:mann@virginia.edu) Phone: (804) 924-7770 FAX: (804) 982-2137

<http://www.evsc.virginia.edu/faculty/people/mann.shtml>

</x-flowed>

From: Sent: To:

Cc:

Subject:

Keith Alverson <[keith.alverson@pages.unibe.ch](mailto:keith.alverson@pages.unibe.ch)> Wednesday, March 14, 2001 6:05 AM

Mike Mann; Jonathan Overpeck

Elke Bergius

Amsterdam

Hi Mike and Peck,

My working assumption in finalizing our budget for the CLIVAR/PAGES meeting in Amsterdam is that your costs for attending the CLIVAR/PAGES meeting as well as any days you spend at the Open Science Congress in Amsterdam are being covered by David Legler at the US CLIVAR office, who should have contacted each of you in this regard. Can you confirm that this is correct.

Thanks. Keith

Keith Alverson

Executive Director

PAGES International Project Office Barenplatz 2, 3011 Bern Switzerland

<http://www.pages-igbp.org>

Tel:+4131312 3133

Fax: +4131312 3168

From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Wednesday, March 14, 2005:14 AM Keith Alverson

Mike Mann;Jonathan Overpeck;Elke Bergius

Re: Amsterdam

<html>

Hi Keith,<br>

<br>

I haven't yet heard from David Legler...<br> <br> mike<br> <br> At 12:04 PM 3/14/05+0100, Keith Alverson wrote:<br>

<blockquote type=cite class=cite cite>Hi Mike and Peck,<br> <br> My working assumption in finalizing our budget for

the CLIVAR/PAGES meeting<br> in Amsterdam is that your costs for attending the CLIVAR/PAGES meeting as<br> well as any days you spend at the Open Science Congress in Amsterdam are<br> being covered by David Legler at the US CLIVAR office, who should have<br> contacted each of you in this regard. Can you confirm that this is correct.<br> Thanks.<br>





Mike,I appreciate the invitation and think it is an important meeting. I am putting it on my calendar and will proceed with making reservations. Unless a meteorite falls out of the sky or my Selective Service Board calls,I'll be there.

Thanks,Chris

On Thursday, March 8,2001,MichaelE. Mann <mann@multiproxy.evsc.virginia.edu> wrote:

> Thanks Tom,

>

> Chris: Can I convince you to come up for this in April???

>Would be great if you can. I think it'll be an opportunity opportunity

>for us all to have an open-ended discussion about paleoclimate research

>priorities.Overpeck, Bradley,Crowley,Cole, Cane and others will all

>be there, as well as Eakin,Verardo (and a bunch of Europeans). On

>Friday morning, we've planned for an informal meeting to summarize and

>discuss future directions, and we can always choose to have a smaller

>meeting thereafter if it seems worthwhile.

>

> Please let me know if you need any more details. Thanks in advance for

>considering the above,

>

> mike

>

> At 02:21PM 3/8/01-0500,Thomas R Karl wrote:

>Mike,

>

> Thanks so much. We had a very good meeting with Dave, and I believe we

>are heading together toward in a coordinated manner.

>

> I think it would be very helpful if you could invite Chris to your  
> meeting. It is close enough that he may even want to drive.

>

> Cheers, Tom.

> "Michael E. Mann" wrote:

> Hi Tom,

>

> It strikes me that I may not have informed you of this workshop I'm  
> holding in Charlottesville this April. It's a PAGES/CLIVAR event, in  
> conjunction w/ some European partners (Hans Von Storch and others). I'm  
> forwarding the information that went out to the U.S. invitees below.  
> Also invited were Eakin and Verardo (long before all of the recent  
> business) and I hope both will still attend. It strikes me though that  
> their probably ought to be a representative from NOAA CCDD present.  
> It would be great to have you there if you're able to make it but, if,

> as I presume, not, should I try to get Chris Miller to come? Let me  
> know what you think. Thanks,

>

> mike

> \_\_\_\_\_

> Dear Colleague:

> It is my pleasure to invite you to a workshop Reconstructing Late  
> Holocene Climate, to take place in Charlottesville, Virginia, 17-19  
> April 2001. The aim of the workshop is to investigate current  
> applications of statistical, empirical and model-based methods to the  
> general problem of paleoclimate reconstruction over the past few thousand years.  
> This meeting is an official PAGES/CLIVAR event, and will address

>issues of key importance to PAGES/CLIVAR including:

- > 1) The range of data available for paleoclimate reconstruction and  
>assimilation with numerical models, limitations and strengths in the  
>data both spatially, seasonally, and in terms of frequency-domain  
> fidelity, temporal resolution, and temporal extent,
- > 2) Model-based paleoclimate data assimilation and downscaling  
> approaches, and
- > 3) Applications of palaeoclimate reconstruction: e.g. variability of  
> the North Atlantic Oscillation, Antarctic Oscillation, and ENSO.  
> It is anticipated that approximately 50 scientists from Europe and  
> North America will be in attendance. limited funding is available to  
> cover the expenses of participants. It would thus be appreciated if  
> participants could use alternative funding, if available, to cover part of the costs.  
> We hope you will plan to attend this workshop. Please respond as soon  
>as possible to Brenda Morris at bwm6q@virginia.edu. Please include  
> your complete mailing address. We will be providing a draft program in due course.

> Best Regards,

> Michael E. Mann

>ADDITIONAL INFORMATION:

>Travel and Reimbursement:

- >You should have received information from Jennifer Giesler regarding  
>the reimbursement of your travel expenses. Funding for travel is  
> limited and individuals are expected to supplement costs with other available funds.  
> There is a maximum level of roughly \$650 reimbursement available per  
>person, with possible exceptions for individuals in need. You must  
> provide receipts for all activities to be reimbursed. The policy is

>STRICTLY

- >followed: per diem is not paid--receipts ARE needed for meals. Items  
>such as car rentals, alcohol, and museum tickets are not covered. You  
>are funded through NSF and as you know they have strict rules for the

- > use of their funds.
- > You can book the airfare yourself or you can book your ticket through
- > your travel agent and have the ticket direct-billed to AGU. Please let
- > Jennifer know if you want this latter option. Charlottesville does
- > have an airport
- > (CHO) and we have a fair amount of flights in and out of Charlottesville.
- > Some of the international flights may have to be routed through
- > Washington, D.C. and then take a flight into Charlottesville.
- > Registration Fee: There will be a \$35.00 conference registration fee.
- > This should be paid to Ms. Brenda Morris upon registration.
  
- > Host and convener:
- > Michael Mann, U of Virginia, USA (mann@virginia.edu) European
- > co-conveners:
- > Hans von Storch, GKSS Research Centre, Germany (storch@gkss.de) Nanne
- > Weber KNMI, The Netherlands (weber@knmi.nl) Heinz Wanner, U of Bern,
- > Switzerland (wanner@giub.unibe.ch) Meeting Location(s):
- > The meeting will be held on-grounds of the University of Virginia. We
- > have reserved the "South Meeting Room" at UVA's Newcomb Hall from 8:00
- > a.m. -
- > 5:00p.m. for April 17, 18 & 19. We also have reserved the Odum Room
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- > needed, but just in case some participants want to stay for an
- > informal meeting on Friday, we will have accommodations available.
- > Hotels:
- > We have 20 rooms reserved at the Best Western Cavalier Inn for arrival
- > on April 16 and departure on April 20. You MUST confirm your
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- > card. The phone number is 1-804-296-8111. Doris Roach is the contact
- > person. (You must tell Cavalier Inn that you want a room in the RLHC

> block). The cost will be \$59 plus 9% tax per day.

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> April 16 and departure on April 20. You MUST confirm your reservation

> individually by March 16, 2001 and charge to your credit card. The

> phone number is 1-800-874-9000. Demetrius Caldwell is the contact

> person. (You must tell Red Roof that you want a room in the RLHC

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> Inn, but is conveniently located in the center of campus life. The cost will be \$59.99 plus 9% tax per day.

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> distance of the meeting. However, for individuals who wish for

> transportation, we will alert the local cab companies that they may be

> receiving a large volume of calls for those days.

>

>

>

> Meals and Food:

> We will provide lunches on Tuesday, Wednesday and Thursday. If you

> have special dietary needs or other considerations, please inform me

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> pleasant and generally warm and sunny days. Ample opportunities for

> sightseeing and recreational activities are available for those

> participants who are interested. Among the local and nearby attractions

> are Monticello (the home of Thomas Jefferson), the Blue Ridge Mountains

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> local sights and events, log on to [www.virginia.edu](http://www.virginia.edu).

> <<http://www.virginia.edu>> and then

>choose "Things to Do/UVA News".There is a list of scheduled events

>and also listing of area historical places in the surrounding area of Charlottesville.

>

>

>

> Professor Michael E. Mann

> Department of Environmental Sciences,Clark Hall

> University of Virginia

> Charlottesville,VA 22903

>

> e-mail:mann@virginia.edu Phone:(804} 924-7770 FAX: (804)

>982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.shtml>

><<http://www.evsc.virginia.edu/faculty/people/mann.shtml>>

>

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> Professor Michael E. Mann

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>ginia.edu/faculty/people/mann.shtml

> <<http://www.evsc.virginia.edu/faculty/people/mann.shtml>>

From: Sent: To: Cc:

Subject:

Michael E. Mann <[mann@multiproxy.evsc.virginia.edu](mailto:mann@multiproxy.evsc.virginia.edu)> Thursday, March 08, 2001 3:45 PM

Thomas R Karl; Christopher D Miller [mann@virginia.edu](mailto:mann@virginia.edu)

Re:Charlottesville workshop

<x-html>

<html>

Thanks Tom,<br>

<br>

Chris: Can I convince you to come up for this in April??? Would be great if you can. I think it'll be an opportunity opportunity for us all to have an open-ended discussion about paleoclimate research priorities.

Overpeck, Bradley, Crowley, Cole, Cane and others will all be there, as well as Eakin, Verardo (and a bunch of Europeans). On Friday morning, we've planned for an informal meeting to summarize and discuss future directions, and we can always choose to have a smaller meeting thereafter if it seems worthwhile.&nbsp;<br><br> Please let me know

if you need any more details. Thanks in advance for considering the above,<br> <br> mike<br> <br> At 02:21PM 3/8/01

-0500, Thomas R Karl wrote:<br> <blockquote type=cite class=cite cite>Mike,<br> <br> Thanks so much. We had a very good meeting with Dave, and I believe we are heading together toward in a coordinated manner.<br> <br> I think it would be very helpful if you could invite Chris to your meeting.&nbsp;<br>It is close enough that he may even want to drive.

<br> <br> Cheers, Tom. <br> &quot;Michael E. Mann&quot; wrote:<br> <blockquote type=cite class=cite cite>&nbsp;<br>Hi Tom,<br> <br> It strikes me that I may not have informed you of this workshop I'm holding in Charlottesville this April. Its a PAGES/CLIVAR event, in conjunction w/ some European partners (Hans Von Storch and others). I'm forwarding the information that went out to the U.S. invitees below. Also invited were Eakin and Verardo (long before all of the recent business) and I hope both will still attend. It strikes me though that their probably ought to be a representative from NOAA CCDD present. It would be great to have you there if you're able to make it but, if, as I presume, not, should I try



to get Chris Miller to come? Let me know what you think. Thanks,  
mike

Dear Colleague: It is my pleasure to invite you to a workshop

Reconstructing Late Holocene Climate, to take place in Charlottesville, Virginia, 17-19 April 2001. The

aim of the workshop is to investigate current applications of statistical, empirical and model-based methods to the

general problem of paleoclimate reconstruction over the past few thousand years. This meeting is an official

PAGES/CLIVAR event, and will address issues of key importance to PAGES/CLIVAR including:

1) The range of data available for paleoclimate reconstruction and assimilation with numerical models, limitations and strengths in the data both spatially, seasonally, and in terms of frequency-domain fidelity, temporal resolution, and temporal extent,

2) Model-based paleoclimate data assimilation and downscaling approaches, and

3) Applications of palaeoclimate reconstruction: e.g. variability of the North Atlantic Oscillation, Antarctic Oscillation, and ENSO. It is anticipated that approximately 50 scientists from Europe and North America will be in attendance. Limited funding is available to cover the expenses of participants. It would thus be appreciated if participants could use alternative funding, if available, to cover part of the costs.

We hope you will plan to attend this workshop. Please respond as soon as possible to Brenda Morris at bwm6q@virginia.edu. Please include your complete mailing address. We will be providing a draft program in due course. Best Regards, Michael E. Mann  
ADDITIONAL INFORMATION: Travel and Reimbursement:

You should have received information from Jennifer Giesler regarding the reimbursement of your travel

expenses. Funding for travel is limited and individuals are expected to supplement costs with other available funds.

There is a maximum level of roughly \$650 reimbursement available per person, with possible exceptions for individuals in need. You must provide receipts for all activities to be reimbursed. The policy is STRICTLY followed: per diem is not paid--receipts ARE needed for meals. Items such as car rentals, alcohol, and museum tickets are not covered. You are funded through NSF and as you know they have strict rules for the use of their funds. You can book the airfare yourself or you can book your ticket through your travel agent and have the ticket direct-billed to AGU. Please let Jennifer know if you want this latter option. Charlottesville does have an airport

(CHO) and we have a fair amount of flights in and out of Charlottesville.

Some of the international flights may have to be routed through Washington, D.C. and then take a flight into

Charlottesville. Registration Fee: There will be a \$35.00 conference registration fee. This

should be paid to Ms. Brenda Morris upon registration. Host and convener: Michael Mann, U of Virginia, USA (mann@virginia.edu) European co-conveners: Hans von Storch, GKSS Research Centre, Germany (storch@gkss.de) Nanne Weber KNMI, The Netherlands (weber@knmi.nl) Heinz Wanner, U of Bern, Switzerland (wanner@giub.unibe.ch) Meeting Location(s): The meeting will be held on-grounds of the University of Virginia. We have reserved the 'South Meeting Room' at UVA's Newcomb Hall from

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16

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The Best Western Hotel and the Red Roof Inn are both within walking distance of the meeting. However, for individuals who wish for transportation, we will alert the local cab companies that they may be receiving a large volume of calls for those days. Meals and Food: We will provide lunches on Tuesday, Wednesday and Thursday. If you have special dietary needs or other considerations, please inform me so that I can arrange meals that will be appropriate for you. About Charlottesville: Spring is such a beautiful time of the year in Charlottesville, with pleasant and generally warm and sunny days. Ample opportunities for sightseeing and recreational activities are available for those participants who are interested. Among the local and nearby attractions are Monticello (the home of Thomas Jefferson), the Blue Ridge Mountains (less than an hour's drive), colonial Williamsburg (a couple hours'

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\*\*\*\*\*

## WORKSHOP: 'RECONSTRUCTING LATE HOLOCENE CLIMATE'

We are pleased to invite you to the workshop 'Reconstructing Late Holocene Climate', in Charlottesville, Virginia, 17-19

April 2001. The aim of this workshop is to investigate current applications of statistical, empirical and model-based methods to the general problem of paleoclimate reconstruction over the past 1000 to 10,000 years.

Issues of key importance to PAGES/CLIVAR shall be addressed, and the meeting is framed as a PAGES/CLIVAR event. These include:

- i) The range of data available for paleoclimate reconstruction and assimilation with numerical models, limitations and strengths in the data both spatially, seasonally, and in terms of frequency-domain fidelity, temporal resolution, and temporal extent,
- ii) Model-based paleoclimate data assimilation and downscaling approaches, and
- iii) Applications of palaeoclimate reconstruction: e.g. variability of the North Atlantic Oscillation, Antarctic Oscillation, and ENSO.

It is anticipated that approximately 50 scientists from Europe and North America shall attend. Limited funding is available to cover the expenses of participants. Thus, it would be appreciated if participants could use alternative funding, if available, to cover part of the costs. For planning it would be helpful if participants could provide a rough estimate of anticipated costs.

The following are responsible for the workshop are: Michael Mann, U of Virginia, USA (mann@virginia.edu)

Hans von Storch, GKSS Research Centre, Germany (storch@gkss.de)

Nanne Weber KNMI, The Netherlands (weber@knmi.nl)

Heinz Wanner, U of Bern, Switzerland (wanner@giub.unibe.ch)

For further information about the workshop see: <http://w3g.gkss.de/staff/storch/charlotteville.0401.htm>

Spring is such a beautiful time of the year in Charlottesville, with pleasant and generally warm and sunny days. Ample opportunities for sightseeing and recreational activities are available for those participants who are interested. Please log on to [www.virginia.edu](http://www.virginia.edu) and then choose "Things to Do/UVA News". There is a list of scheduled events and also listing of area historical places in the surrounding area of Charlottesville.

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#### Here are informational points: Meeting Location(s):

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those days. Meals and Food:

we will provide lunches on Tuesday, Wednesday and Thursday. If you have special dietary needs or other considerations, please inform me so that I can arrange meals that will be appropriate for you.

We hope you will plan to attend this workshop. Please respond to Brenda Morris at [brendawmorris@earthlink.net](mailto:brendawmorris@earthlink.net).

\*\*\*\*\*

Mike, HERE IS THE DATABASE-Will not be included with the invitation!! Are there any others that I do not have on this list?

Title

Dr.

Dr. Dr. Dr. Dr.

Dr. Dr. Dr. Dr.

Dr.

First Name      Last name      E-mail      Invited by

D.      Battisti      david@atmos.washington.edu      Verardo      rbradley@geo.mass.edu      Verardo

M.      Cane      mcane@ldeo.columbia.edu      Verardo

J.      Cole      jcole@geo.arizona.edu      Verardo

E.      Cook      drdendro@ldeo.columbia.edu      Verardo      T.      Crowley      tom@ocean.tamu.edu  
Verardo      Barbara DeLuisi      barb@cdc.noaa.gov

C. Mark Eakin      mark.eakin@noaa.gov      Verardo

M.      Evans      mevans@ldeo.columbia.edu      Verardo

K.      Hughen      khughen@whoi.edu      Verardo

M.      Hughes      mhughes@ltr.arizona.edu      Verardo

Jones      Julie M.      jones@gkss.de

SupportAmt of support

Dr.      R      Bradley



ESH

Dr. Dr. Dr. Dr. Dr. Mr. Dr. Dr.

Alexey Kaplan alexeyk@rosie.lidgo.columbia.edu

Kate Laird lairdk@biology.queensu.ca Julie Jones

J. Lean jlean@ssdS.nrl.navy.mii Verardo Juerg Luterbacher juerg@giub.unibe.ch Michael Mann  
mann@virginia.edu

Chris Moy Notify Eakin Eakin

J. Overpeck jto@u.arizona.edu Verardo

B. Reichert reichert@dkrz.ed Verardo

Mike Mann

No support needed

Dr. Hans Renssen Nanne Weber

Dr. E. Sarachik Sarachik@atmos.washington.edu Verardo

Dr. Gerard van der Schrier Nanne Weber

Dr. David Verardo Dverardo@nsf.gov Verardo NSF Dr. Hans von Storch  
Storch@gkss.devon Storch

Dr. Frederieke Wagner Weber@knmi.nl Nanne Weber

Dr. Heinz Wanner Wanner@giub.unibe.ch

Dr. R. Webb Rwebb@cdc.noaa.gov Verardo

Dr. S. L (Nanne) Weber Weber@knmi.nl Nanne Weber Dr. Harvey Weiss

Leilan@pantheon.yale.edu Mike Mann (Mike will take care of this)

Dr.

C Woodhouse Woodhouse@ngdc.noaa.gov

Verardo

NOAA

Mr.

Oyvind Nordli Oyvind.Nordli@dnmi.no

Covenors:

Michael Mann, U of Virginia, USA (mann@virginia.edu) Germany (storch@gkss.de)

Nanne Weber KNMI, The Netherlands (weber@knmi.nl) (wanner@giub.unibe.ch)



72

Hans von Storch,GKSS Research Centre, Heinz Wanner,U of Bern,Switzerland

-----

From: Sent: To:

Cc:

Subject:

Michael E.Mann <mann@multiproxy.evsc.virginia.edu> Monday, September 18, 2000 11:01AM

Jonathan Overpeck; rbradley@geo.umass.edu mann@virginia.edu

advice

Dear Ray, Peck:

We can probably invite only about 15 people from the U.S.to the proposed C'ville workshop,since funding will be limited.

The subject (attached) is the \*past millennium\* (thus,we're not necessarily looking to bring in people interested in mid- holocene, etc.),modeling and empirical reconstructions, and the idea is to bring together people interested in the intersection of these activities.

I've come up w/ the following list thusfar (in no particular order): R.Bradley

M. Hughes

J. Overpeck T. Crowley E. Cook

R. Webb

M. Cane

A. K aplan/M. Evans

D. Battisti K.Hughen D.Rind

J. Lean

J. Cole

H. Pollack

There is room for a couple/few more. Whom obvious have I forgotten? Thanks,

mike

Attachment Converted:c:\program files\eudora\attach\paleo-revised.doc

Professor Michael E. Mann

Department of Environmental Sciences, Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail: [mann@virginia.edu](mailto:mann@virginia.edu) Phone: (804) 924-7770 FAX: (804) 982-2137

<http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent To:

Cc:

Subject:

Michael E. Mann <[mann@multiproxy.evsc.virginia.edu](mailto:mann@multiproxy.evsc.virginia.edu)> Tuesday, March 20, 20013:21PM

Dr. Nanne Weber

Brendaw Morris; [storch@gkss.de](mailto:storch@gkss.de); [wanner@giub.unibe.ch](mailto:wanner@giub.unibe.ch); [Oyvind.Nordli@dnmi.no](mailto:Oyvind.Nordli@dnmi.no);

[jones@gkss.de](mailto:jones@gkss.de); [mann@virginia.edu](mailto:mann@virginia.edu)

Re: draft of program

<x-html>

<html>

Dear All,<br>

<br>

Here (attached now as a word97 file) is a revised program.I have tried to move the modeling talks up in the program

(basically, half of session

5 has been moved to wednesday) but I can't see any way to move things up further and still maintain an appropriate logical organization to the workshop. I'm open to further suggestions, but we also need to retain a bit of flexibility to add a few new talks if necessary because of late confirmations. Note that we now have a bit of a break on thursday afternoon before the reception (which is at 5:30pm). We can keep this break for the time being, but it may fill in if we

decide to convert one of the thursday afternoon talks to a key note (45 minute) talk (suggestions?), or if we have to add an additional talk or two...  
  
This program is based on my best current information regarding who is attending. It is everyone's responsibility to check to see if there are any obvious omissions at this time. The program is becoming

more rigid as we progress, so it will be increasingly difficult to incorporate any last minute additions. Brenda: please update me ASAP if there are any other additional confirmations that come in.  
  
I still need help in a number of areas. If you can provide a plausible tentative topic for those individuals for whom one is not yet indicated, I'd

appreciate this as soon as possible. Also, I need some suggestions/volunteers for chairs and rapporteurs among the non-US participants (basically, for the thursday afternoon sessions).  
  
I will request that Brenda email the most up-

to-date draft of the program to all confirmed participants (this includes individuals who are in the program because they have confirmed informally with me, though they might not be on Brenda's list of confirmed participants) on Friday morning, before I leave. So we need to make as much progress as possible in the next 48 hours. In fact, I'd like to finalize this draft of the program tomorrow. Thanks for your continued help. This is shaping up to be an excellent and exciting workshop!  
  
mike  
  
At 04:50PM 3/20/01+0000, Dr. Nanne Weber wrote:  
  
>Hi Mike and others,  
>some quick comments on the draft program that Mike send around:

<br>

-in my experience 15 minutes is too short for a coffee break, that &nbsp;&nbsp;  should be 30 minutes <br>

-that leaves us with 2,5 hours per session, so 5 talks of 30 minutes (or &nbsp;&nbsp;  more shorter talk s)  
<br>

-with the present amount of people that is OK (but see below). Is everybody who <br> wants to present something already in the program? <br>

-the session topics seem OK to me. The title of session 2 is not clear to me, do you mean <br> subtropical droughts?

<br>

- session 5 and 6 seem too full. It is a pity to have them together crammed into <br> one and the final day. I suggest to put one of them on Wednesday. A second reason <br> for doing this, is to have some 'modeling' talks earlier on during the workshop. With <br> the present program we only start to take models into account on the final day.  
<br> Proposal: put session 6 on Wednesday afternoon and sessions 4 and 5 on Thursday. <br>

-I agree to have some key-note talks, e.g. Crowley and Bradley. <br> &nbsp;&nbsp; Others? Briffa for tree-ring stuff? Guiot? <br> Cheers, <br> Nanne <br> &nbsp;&nbsp; <br> <blockquote type=cite class=cite cite>&nbsp;&nbsp; Dear All,<br>

<br> Here is my first stab at a program. Comments welcome. We should get this first draft out to the participants before

I leave for EGS (this Friday).

When we've finalized a first draft, we can send it out to the list of participants to (a) confirm that they don't object to their roles/slots and there are no obvious conflicts w/ dates, etc., and (b) so we can get a specific topic from

them. Only those participants who have confirmed their attendance (either through Brenda as indicated on spreadsheet, or through me specifically) are currently in the program. I have currently constructed the program so that there is room for expansion in almost all sessions (the average presentation should be no more than 30 minutes duration, and presently it would be longer than that given the number of indicated participants).

<br>

<br>

I have included neither myself nor Hans in the presentations, viewing us instead as the primary conveners of the workshop, with responsibility for leading introduction, summary discussion, etc. I've however included the other co-conveners (Oyvind, Julie, Nanne, Heinz) in the speaking program. In either case, let me know if you are not happy w/ that. I'll look forward to receiving comments, particularly with regard to individuals I've forgotten, individuals for whom I'm unsure of the appropriate session (question marks indicated), and suggestions for names of session chairs, discussion leaders, and rapporteurs for currently unfilled slots (question marks indicated). Also, note that names are not currently in any particular order. This doesn't make sense until we have tentative titles for topics.

mike p.s. Brenda: please look over to make sure that the times, events etc.

are consistent, and if there is anything I've forgotten... Also, can you doublecheck w/ Jennifer Geisler on indicated U.S.

participants. For example, I know that Evans, Cane, Reichert have all indicated to me they are coming, yet they aren't on the list. What about Battisti? Sarachik? We need to know quick...

-----<b><i>Reconstructing Late Holocene

</i></b> Charlottesville, Virginia April 17-20, 2001 a scientific workshop sponsored by PAGES/CLIVAR, NSF and NOAA {Earth Systems History}, European organizations (Hans, others????) Day 1: Tuesday April 17

8:30AM: Refreshments;

Welcoming Remarks {M. Mann; H. von Storch} Logistics {Brenda Morris}

9:00AM SESSION 1: Climate Reconstructions of the North Atlantic and Neighboring Regions {Session Chair: ??; Rapporteur: ??} E. Cook J. Luterbacher H. Wanner

15 minute coffee & refreshments R. Brazdil? J. Guiot?

12:00 Discussion {led by??}

<br>

12:30 PM: Break for Lunch

<br>



2:00PM SESSION 2:&nbsp;&nbsp; Cenlury-scale/Millennial Continental Drought&nbsp;  (Session Chair: E. Cook; Rappateur: ??) <br> <br> Malcolm Hughes <br> Connie Woodhouse <br> <br>

15 minute coffee & refreshments <br> <br> Kate Laird? <br> Harvey Weiss <br> <br>

5:00 Discussion (led by J. Overpeck) <br> <br>

5:30 PM Break for Day <br>

<br>

<b>Day 2: Wednesday April18</b> <br>

<br>

8:45AM Refreshments <br>

9:00AM SESSION 3:&nbsp;&nbsp; Records of ENSO and tropical Variability (Session Chair: ??; Rappateur: ??) <br> <br> Mark

Cane <br> Julie Cole <br> <br>

15 minute coffee & refreshments <br> <br> Mike Evans <br> Konrad Huguen <br> <br>

12:00 Discussion (led by??) <br>

<br>

12:30 PM: Break for Lunch <br>

<br>

2:00PM SESSION 4:&nbsp;&nbsp; Large-Scale EmpiricalClimate Reconstruction&nbsp;  (Session Chair:??; Rappateur:

??) <br> <br> Ray Bradley <br> Scott Rutherford <br> <br>

15 minute coffee & refreshments <br> <br> Alexey Kaplan <br> Keith Briffa <br> <br>

5:00 Discussion (led by M. Mann) <br>

<br>

5:30PM Break for Day <br>

<br>

<b>Day 3: Thursday April19</b> <br>

<br>

8:45 AM Refreshments <br>

9:00AM SESSION S:&nbsp;&nbsp; Empirical and Model-Based Assessments of Forcings and Forced Climate Variability (Session

Chair:??;Rappateur:





Re: draft of program

<x-html>

<!doctype html public "-//w3c//dtd html4.0 transitional/en"> <html> Hi Mike and others,<p>some quick comments on the draft program that Mike send around:

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<br>Proposal: put session 6 on Wednesday afternoon and sessions 4 and 5 on Thursday.

<br>- I agree to have some key-note talks, e.g. Crowley and Bradley.

<br>&nbsp;&nbsp; Others? Briffa for tree-ring stuff? Guiot?

<p>Cheers,

<p>Nanne

<br>&nbsp;  

<blockquote TYPE=CITE>&nbsp;  Dear All,

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I'm unsure of the appropriate session (question marks indicated), and suggestions for names of session chairs, discussion leaders, and rappateurs for currently unfilled slots (question marks indicated). Also, note that names are not currently in any particular order. This doesn't make sense until we have tentative titles for topics.

<p>mike

<p>p.s.Brenda: please look over to make sure that the times, events etc. are consistent,and if there is anything I've forgotten...

<p>Aiso,can you doublecheck w/ Jennifer Geisler on indicated U.S.participants.

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We need to know quick...

<p>

<br><b><i>Reconstructing Late Holocene Climate</i></b> <p><b>Charlottesville, Virginia</b>  
<br><b>April 17-20,

2001</b> <p><i>a scientific workshop sponsored by&nbsp;</i>PAGES/CLIVAR, NSF and NOAA (Earth Systems History), European organizations (Hans,others????) <p><b>Day 1: Tuesday April 17</b>

<p>8:30 AM:

<br>Refreshments;

<br>Welcoming Remarks (M. Mann; H. von Storch) <br>Logistics (Brenda Morris)

<p>9:00 AM SESSION I:&nbsp;Climate Reconstructions of the North Atlantic and Neighboring Regions  
(Session Chair:

??;Rappateur: ??) <p>E. Cook <br>J. Luterbacher <br>H. Wanner

<p>15 minute coffee & refreshments

<p>R. Brazdil?

<br>J. Guiot?

<p>12:00 Discussion (led by??)

<p>12:30 PM: Break for Lunch

<p>2:00 PM SESSION 2:&nbsp;&nbsp; Century-scale/Millennia! Continental Drought&nbsp;  (Session Chair: E. Cook; Rappateur: ??) <p>Malcolm Hughes <br>Connie Woodhouse

<p>15 minute coffee & refreshments

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<br>Harvey Weiss

<p>5:00 Discussion (led by J. Overpeck)

<p>5:30 PM Break for Day

<p><b>Day 2: Wednesday April 18</b>

<p>8:45 AM Refreshments

<br>9:00 AM SESSION 3:&nbsp;&nbsp; Records of ENSO and tropical Variability (Session Chair: ??; Rappateur: ??)

<p>Mark Cane

<br>Julie Cole

<p>15 minute coffee & refreshments

<p>Mike Evans

<br>Konrad Hughen

<p>12:00 Discussion (led by??)

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<p>2:00 PM SESSION 4:&nbsp;&nbsp; Large-Scale Empirical Climate Reconstruction&nbsp;  (Session Chair: ??; Rappateur: ??) <p>Ray Bradley <br>Scott Rutherford

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<p>Aiexey Kaplan

<br>Keith Briffa

<p>5:00 Discussion (led by M. Mann)

<p>5:30 PM Break for Day

<p><b>Day 3: Thursday April 19</b>

<p>8:45 AM Refreshments

<br>9:00 AM SESSION 5:&nbsp;&nbsp; Empirical and Model-Based Assessments of Forcings and Forced Climate Variability

(Session Chair:??; Rappateur: ??) <p>Jonathan Overpeck <br>Tom Crowley <br>Judith Lean

<p>15 minute coffee & refreshments



Julie Jones <jones@gkss.de> Tuesday, March 20, 2001 11:28 AM Michael E. Mann

Brendaw Morris

Re: draft of program

Dear Mike, Brenda

I shall give more detailed comments tomorrow when I've had a chance to think more about the program, but one comment is that both Hans and I were expecting that the meeting finishes on the Thursday evening, so Hans is leaving Thursday evening, and myself on Friday morning.

regards

Julie

\*\*\*\*\*

Dr. Julie M. Jones

Institute for Coastal Research GKSS Forschungszentrum Max-Planck-Strasse

D-21502 Geesthacht

Germany

e-mail: jones@gkss.de phone: +49 (0)4152 871845 fax: +49 (0)4152 871888

\*\*\*\*\*



On Mon, 19 Mar 2001, Michael E. Mann wrote:

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>mike

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>Reconstructing the Holocene Climate

>

>Charlottesville,Virginia

> April17-20, 2001

>

>a scientific workshop sponsored by PAGES/CLIVAR,NSF and NOAA (Earth  
>Systems History), European organizations (Hans,others????)

>

>Day 1: Tuesday April17

>

>8:30AM:

> Refreshments;

> Welcoming Remarks (M. Mann; H. von Storch) logistics (Brenda Morris)

>

>9:00AM SESSION 1: Climate Reconstructions of the North Atlantic and

> Neighboring Regions (Session Chair: ??; Rapporteur: ??)

>

>E. Cook

> J. Luterbacher

>H. Wanner

>

> 15 minute coffee & refreshments

>

> R.Brazdil?

> J. Guiot?

>

> 12:00 Discussion (led by??)

>

> 12:30 PM: Break for Lunch

>

>2:00PM SESSION 2: Century-scale/Millennia! Continental Drought (Session

>Chair: E. Cook; Rapporteur: ??)

>

> Malcolm Hughes

>Connie Woodhouse

>

> 15 minute coffee & refreshments

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> Kate Laird?

> Harvey Weiss

>

> 5:00 Discussion (led by J. Overpeck)

>

>5:30PM Break for Day

>

>Day 2: Wednesday April18

>

> 8:45 AM Refreshments

>9:00AM SESSION 3: Records of ENSO and tropical Variability (Session

> Chair: ??; Rappateur: ??)

>

> Mark Cane

>Julie Cole

>

> 15 minute coffee & refreshments

>

>Mike Evans

> Konrad Hughen

>

> 12:00 Discussion (led by??)

>

> 12:30 PM:Break for Lunch

>

>2:00 PM SESSION 4: Large-Scale Empirical Climate Reconstruction (Session

> Chair: ??; Rappateur:??)

>

> Ray Bradley

>Scott Rutherford

>

> 15 minute coffee & refreshments

>

- > Alexey Kaplan
- > Keith Briffa
- >
- > 5:00 Discussion (led by M. Mann)
- >
- > 5:30 PM Break for Day
- >
- >
- > 8:45AM Refreshments
- >9:00AM SESSION 5: Empirical and Model-Based Assessments of Forcings  
>and Forced Climate Variability (Session Chair:??; Rapporteur: ??)
- >
- >Jonathan Overpeck
- > Tom Crowley
- > Judith Lean
- >
- > 15 minute coffee & refreshments
- >
- > H. Renssen
- >F. Wagner
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- >
- > 12:00 Discussion (led by??)
- >
- > 12:30 PM: Break for Lunch
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- >

- > Van der Schrier
- > Nanne Weber
- > J. Jones (yes?)
- >
- > 15 minute coffee & refreshments
- >
- > M Widmann (yes?)
- > B. Reichert
- > M.Barriendos
- >D. Handorf
- >
- > 5:00 Discussion (led by H. Von Storch)
- >
- > 5:30 PM Break for Day
- >
- > 5:30-7:00 PM Reception, MuralRoom,Clark Hall
- >
- > Day 4: Friday April 20
- >
- > 9:00AM Summary Discussion {led by M.Mann, H.Von Storch}
- > Topics: Future paleoclimate research priorities and directions; plans
- > for a meeting article; possible special issue of Journal of Climate;other matters?
- >
- > 12:00 END OF WORKSHOP
- >
- >
- >
- >
- > Professor Michael E. Mann
- > Department of Environmental Sciences,Clark Hall

> Charlottesville, VA 22903

>

>e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.shtml>

>

From: Sent: To:

Cc:

Subject:

Michael E.Mann <mann@virginia.edu> Tuesday, March 20, 2001 9:41AM Oyvind.Nordli@dnmi.no

Michael E. Mann; Brenda Morris

RE: draft of program

<x-html>

<html>

Hi Oyvind,<br>

<br>

Thanks,I had you in there but accidentally left you out of the draft program. Will place you in session ...<br>  
<br> mike<br> <br> At 08:34AM 3/20/01+0100,Oyvind.Nordli@dnmi.no wrote:<br> <blockquote type=cite class=cite cite>&nbsp;  <br> <font size=4 color="#0000FF">Dear Mike,</font><br> &nbsp;  <br> <font size=4 color="#0000FF">Thank you very much for the draft of the program.</font><br> <font size=4 color="#0000FF">It is OK for me to have a short presentation concerning</font><br> <font size=4 color="#0000FF">the latest climate reconstructions achieved by the Norwegian Norpast project.</font><br> <font size=4 color="#0000FF">So please, put my presentation in session 1: Climate reconstructions of the North Atlantic</font><br> <font size=4 color="#0000FF">and neighbouring regions.</font><br> &nbsp;  <br> <font size=4 color="t0000FF">(Zlyvind</font><br> <blockquote type=cite class=cite cite><font face="tahoma" size=2>-----Original Message--<br> <b>From:</b> Michael E. Mann [[eudora="autourl">mailto:mann@multiproxy.evsc.virginia.edu</a>\]<br>](mailto:mann@multiproxy.evsc.virginia.edu)

<b>Sent:</b> Monday, March 19, 2001 10:57 PM<br> <b>To:</b> Brendaw Morris;mann@virginia.edu;  
storch@gkss.de;wanner@giub.unibe.ch;Oyvind.Nordli@dnmi.no;jones@gkss.de; weber@knmi.nl<br>

<b>Subject:</b> draft of program<br> <br> Dear All,<br> <br> Here is my first stab at a program.  
Comments welcome. We should get this first draft out to the participants before I leave for EGS (this Friday).

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</b>8:30 AM: <br>

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9:00AM SESSION 1:&nbsp;Climate Reconstructions of the North Atlantic and Neighboring Regions (Session Chair:??; Rapporteur: ??)<br> <br> E. Cook<br> J. Luterbacher<br> H. Wanner<br> <br>

15 minute coffee & refreshments<br>

<br>

R. Brazdil?<br>

J. Guiot?<br>



<br>

12:00 Discussion (led by ??)<br>

<br>

12:30 PM:Break for Lunch<br>

<br>

2:00PM SESSION 2:&nbsp;&nbsp; Century-scale/Millennia! Continental Drought&nbsp;  (Session Chair: E. Cook; Rappateur: ??)<br> <br> Malcolm Hughes<br> Connie Woodhouse<br> <br>

15 minute coffee & refreshments<br>

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Kate Laird?<br> Harvey Weiss<br>

<br>

5:00 Discussion (led by J. Overpeck)<br> <br>

5:30PM Break for Day<br>

<br>

<b>Day 2: Wednesday April18<br>

<br>

</b>8:45 AM Refreshments<br>

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15 minute coffee & refreshments<br>

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<br>

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12:30 PM:Break for Lunch<br>

<br>

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<b>Day 3: Thursday April 19<br>

<br>

</b>8:45 AM Refreshments<br>

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Chair: ??; Rapporteur:

??)<br>

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Jonathan Overpeck<br> Tom Crowley<br>

Judith Lean<br>

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15 minute coffee & refreshments<br>

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<br>

12:30 PM: Break for Lunch<br>

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Chair: ??; Rapporteur: ??)<br> <br> Van der Schrier<br> Nanne Weber<br> J. Jones (yes?)<br> <br>



<http://www.evsc.virginia.edu/faculty/people/mann.shtml>

Professor Michael E. Mann

Department of Environmental Sciences, Clark

Hall

University of Virginia

Charlottesville, VA 22903

e-mail: [mann@virginia.edu](mailto:mann@virginia.edu) Phone: (804) 924-7770 FAX: (804) 982-2137

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Subject:

Michael E. Mann <mann@virginia.edu> Tuesday, March 20, 2001 4:41 AM Oyvind.Nordli@dnmi.no

Michael E. Mann; Brenda Morris

RE: draft of program

<html>

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*Reconstructing Late Holocene Climate* Charlottesville, Virginia April 17-20, 2001

a scientific workshop sponsored by PAGES/CLIVAR, NSF and NOAA (Earth Systems History), European organizations (Hans, others???)

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<b>Day 3: Thursday April 19<br>

<br>

</b>8:45 AM Refreshments<br>

9:00AM SESSION 5: Empirical and Model-Based Assessments of Forcings and Forced Climate Variability (Session

Chair: ??; Rapporteur: ??) Jonathan Overpeck Tom Crowley Judith Lean

15 minute coffee & refreshments

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15 minute coffee & refreshments

M Widmann (yes?) B.Reichert

M. Barriendos D. Handorf

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5:30 PM Break for Day

5:30-7:00 PM Reception, Mural Room, Clark Hall Day 4: Friday April 20

9:00 AM Summary Discussion (led by M.Mann, H. Von Storch) Topics: Future paleoclimate research priorities and directions; plans for a meeting article; possible special issue of *Journal of Climate*; other matters?

12:00 END OF WORKSHOP



Professor Michael E. Mann  
Department of Environmental Sciences,  
Clark Hall

University of Virginia

Charlottesville, VA 22903

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From: Sent: To:

Cc:

Subject:

Oyvind.Nordli@dnmi.no

Tuesday, March 20, 2001 12:35 AM Michael E. Mann

Brenda Morris

RE:draft of program

<x-html>

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML4.0 Transitional/fEN"> <HTML><HEAD> <META content="text/html; charset=iso-8859-1" http-equiv=Content-Type> <META content="MSHTML5.00.2722.2800" name=GENERATOR></HEAD> <BODY> <DIV>&nbsp;</DIV> <DIV><FONT color=#0000ff size=4><SPAN class=300132107-

2003200>IDear Mike,</SPAN></FONT></DIV> <DIV><FONT color=#0000ff size=4><SPAN class=300132107-

20032001></SPAN></FONT>&nbsp;</DIV>

<DIV><FONT color=#0000ff size=4><SPAN class=300132107-20032001>Thank you very much for&nbsp;the draft of the program.</SPAN></FONT></DIV> <DIV><FONT color=#0000ff size=4><SPAN class=300132107-20032001>It is OK for me to have a short presentation concerning</SPAN></FONT></DIV> <DIV><FONT color=#0000ff size=4><SPAN class=300132107-20032001>the latest climate reconstructions achieved by the Norwegian Norpast project.</SPAN></FONT></DIV> <DIV><FONT color=#0000ff size=4><SPAN class=300132107-20032001>So please, put my presentation in session 1:Climate reconstructions of the North Atlantic</SPAN></FONT></DIV> <DIV><FONT color=#0000ff size=4><SPAN class=300132107-20032001>and neighbouring regions.</SPAN></FONT></DIV>

<DIV><FONT color=#0000ff size=4><SPAN class=300132107-20032001></SPAN></FONT>&nbsp;</DIV>

<DIV><FONT color=#0000ff size=4><SPAN class=300132107-2003 2001>Oyvind</SPAN></FONT></DIV>

<BLOCKQUOTE

style="BORDER-LEFT: #0000ff 2px solid; MARGIN-LEFT: 20px; MARGIN-RIGHT: 0px; PADDING-LEFT: 20px">

<DIV align=left class=OutlookMessageHeader dir=ltr><FONT face=Tahoma size=2>-----Original Message-----

<BR><B>From:</8> Michael E.Mann [mailto:mann@multiproxy.evsc.virginia.edu]<BR><B>Sent:</B> Monday, March 19,

200110:57 PM<BR><B>To:</B> Brendaw Morris;mann@virginia.edu; storch@gkss.de; wanner@giub.unibe.ch;Oyvind.Nordli@dnmi.no;jones@gkss.de; weber@knmi.ni<BR><B>Subject:</8> draft of program<BR><BR></DIV></FONT>Dear AII,<BR><BR>Here is my first stab at a program. Comments welcome. We should

get this first draft out to the participants before I leave for EGS (this Friday). When we've finalized a first draft, we can send it out to the list of participants to (a) confirm that they don't object to their roles/slots and there are no obvious conflicts w/ dates,etc.,and (b) so we can

specific topic from them.<BR><BR>Only those participants who have confirmed their attendance (either through Brenda as indicated on spreadsheet, or

through me specifically) are currently in the program. I have currently constructed the program so that there is room for expansion in almost all sessions (the average presentation should be no more than 30 minutes duration, and presently it would be longer than that given the number of indicated participants).<BR><BR>I have included neither myself nor Hans in the presentations, viewing us instead as the primary conveners of the workshop,

with responsibility for leading introduction, summary discussion, etc.&nbsp;

I've have however included the other co-conveners {Oyvind,Julie,Nanne, Heinz) in the speaking program. In either case,let me know if you are not happy w/ that.<BR><BR>I'll look forward to receiving comments, particularly with regard to individuals I've forgotten, individuals for whom I'm unsure of

329

-----  
the appropriate session (question marks indicated) and suggestions for names of session chairs,discussion leaders, and rappateurs for currently unfilled

slots (question marks indicated). Also, note that names are not currently in any particular order.This doesn't make sense until we have tentative titles

for topics.<BR><BR>mike<BR><BR>p.s. Brenda:please look over to make sure that the times, events etc. are consistent, and if there is anything I've forgotten...<BR><BR>Also,can you doublecheck w/ Jennifer Geisler on indicated U.S. participants. For example,I know that Evans,Cane,Reichert have all

indicated to me they are coming, yet they aren't on the list. What about

Battisti? Sarachik? We need to know

quick...<BR><BR> <BR><B><I>Reconstructing

Late Holocene Climate<BR><BR></I>Charlottesville, Virginia<BR>April 17-20,

2001  
a scientific workshop sponsored by PAGES/CLIVAR, NSF and NOAA (Earth Systems History), European organizations (Hans, others?)  
Day 1: Tuesday  
April 17  
8:30 AM:

Refreshments; Welcoming Remarks (M. Mann; H. von Storch) Logistics

(Brenda Morris)  
9:00 AM SESSION 1: Climate Reconstructions of the

North Atlantic and Neighboring Regions (Session Chair: ?; Rapporteur:

?)  
E. Cook  
J. Luterbacher  
H. Wanner  
15 minute coffee

& refreshments  
R. Brazdii  
J. Guiot  
12:00 Discussion

(led by ?)  
12:30 PM: Break for lunch  
2:00 PM SESSION

2: & Century-scale/Millennial Continental Drought (Session Chair: E.

Cook; Rapporteur: ?)  
Malcolm Hughes  
Connie Woodhouse  
15 minute coffee

& refreshments  
Kate Laird  
Harvey Weiss  
3:00 Discussion (led by J.

Overpeck)  
5:30

PM Break for Day  
Day 2: Wednesday April 18  
8:45 AM

Refreshments  
9:00 AM SESSION 3: Records of ENSO and tropical Variability (Session Chair: ?;

Rapporteur: ?)  
Mark Cane  
Julie Cole  
15 minute coffee &

refreshments  
Mike Evans  
Konrad Hughen  
12:00 Discussion (led

by ?)  
12:30 PM: Break for Lunch  
2:00 PM SESSION 4: & Large-Scale

Empirical Climate Reconstruction (Session Chair: ?; Rapporteur: ?)  
Ray

Bradley  
Scott Rutherford  
15 minute coffee & refreshments  
Aiexey

Kaplan  
Keith Briffa  
3:00 Discussion (led by M. Mann)  
5:30 PM Break for

Day  
Day 3: Thursday April

19  
8:45 AM Refreshments  
9:00 AM SESSION 5: Empirical and Model-Based

Assessments of Forcings and Forced Climate Variability (Session Chair: ?; Rapporteur: ?)  
Jonathan

Overpeck  
Tom Crowfey  
Judith Lean  
15 minute coffee & refreshments  
H.

Renssen  
F. Wagner  
R. Webb  
12:00 Discussion (led by ?)  
12:30 PM: Break

for Lunch  
2:00 PM SESSION 6: & Modei/Pafeo Data Comparison and

Paleodata Model Assimilation (Session Chair: ?; Rapporteur:

?)  
Van der Schrier  
Nanne Weber  
J. Jones (yes?)  
15 minute coffee &

refreshments  
M Widmann (yes?)  
B. Reichert  
M. Barriendos  
D.

Handorf  
3:00 Discussion (led by H. Von Storch)  
3:30 PM Break for

Day  
3:30-7:00 PM Reception, Mural Room, Clark Hall  
Day 4: Friday & April

20  
9:00 AM Summary Discussion (led by M. Mann, H. Von

Storch)  
Topics:

Future paleoclimate research priorities and directions; plans for a meeting

article; possible special issue of Journal of Climate; other matters?  
12:00 END OF

WORKSHOP  
X-SIGSEP

X-



<x-html>

<html>

Dear All,<br>

<br>

Here is my first stab at a program. Comments welcome. We should get this first draft out to the participants before I

leave for EGS (this Friday).

When we've finalized a first draft, we can send it out to the list of participants to (a) confirm that they don't object to their roles/slots and there are no obvious conflicts w/ dates,etc., and (b) so we can get a specific topic from them.<br> <br> Only those participants who have confirmed their attendance (either through Brenda as indicated on spreadsheet, or through me specifically) are currently in the program.I have currently constructed the program so that there is room for expansion in almost all sessions (the average presentation should be no more than 30 minutes duration,and presently it would be longer than that given the number of indicated participants).<br> <br> I have included neither myself nor Hans in the presentations,viewing us instead as the primary conveners of the workshop, with responsibility for leading introduction, summary discussion, etc.&nbsp;I've have however included the other co- conveners (Oyvind,Julie, Nanne, Heinz) in the speaking program. In either case, let me know if you are not happy w/ that.<br> <br> I'll look forward to receiving comments, particularly with regard to individuals I've forgotten, individuals for whom I'm unsure of the appropriate session (question marks indicated),and suggestions for names of session chairs, discussion leaders, and rappateurs for currently unfilled slots (question marks indicated). Also, note that names are not currently in any particular order.This doesn't make sense until we have tentative titles for topics.<br> <br> mike<br>

<br> p.s. Brenda:please look over to make sure that the times, events etc.

are consistent, and if there is any thing I've forgotten...<br> <br> Also, can you doublecheck w/ Jennifer Geisler on indicated U.S.

participants. For example,I know that Evans,Cane, Reichert have all indicated to me they are comni g,yet they aren't on

the list. Wha t about Battisti? Sarachik? We need to know quick...<br> <br>

<br>

<b><i>Reconstructing Late Holocene Climate<br> <br> </i>Charlottesville, Virginia<br> April 17-20, 2001<br> <br>

</b><i>a scientific workshop sponsored by&nbsp;</i>PAGES/CLIVAR, NSF and NOAA (Earth Systems History), European organizations (Hans, others????}<br> <br> <b>Day 1: Tuesday April 17<br> <br>

</b>8:30 AM: <br> Refreshments;<br>



12:30 PM:Break for Lunch<br>

<br>

2:00PM SESSION 4:&nbsp;&nbsp;   Large-Scale Empirical Climate Reconstruction&nbsp;   {Session Chair:??;  
Rappateur:

??<br> <br> Ray Bradley<br> Scott Rutherford<br> <br>

15 minute coffee & refreshments<br>

<br>

Alexey Kaplan<br> Keith Briffa<br>

<br>

5:00 Discussion (led by M. Mann)<br>

<br>

5:30 PM Break for Day<br>

<br>

<b>Day 3:Thursday April19<br>

<br>

</b>8:45 AM Refreshments<br>

9:00AM SESSION 5:&nbsp;    Empirical and Model-Based Assessments of Forcings and Forced Climate  
Variability (Session

Chair: ??; Rappateur:

??<br>

<br>

Jonathan Overpeck<br> Tom Crowley<br>

Judith Lean<br>

<br>

15 minute coffee & refreshments<br>

<br>

H. Renssen<br> F. Wagner<br> R. Webb<br>

12:00 Discussion (led by ??)<br>

<br>

12:30 PM: Break for lunch<br>







>

>

>

>Nancy E. Williams

>Office of Vice President and Provost

>982-2334

>

to: DEANS AND DEPARTMENT CHAIRS

from: BARBARA NOLAN, VICE PROVOST

subject: INTER NATIONAL RESIDENTIAL COLLEGE

date: 9/15/00

Attached are the job descriptions and the call for nominations and applications for the positions of Principal and the Director of Studies for the new International Residential College. Would you kindly distribute the descriptions to your faculty.

Thank you.

Nancy E. Williams

Office of Vice President and Provost

982-2334

Content-Id: <v04011700b5ebaf33c4f4@[209.145.71.155].0.0>

Content-Type: application/wordperfect6;name="irc\_job\_descriptionsl.wpd"

; x-mac-type="2E575036"

; x-mac-creator="57504332"

From: Sent: To:

Subject:

Hans.von.Storch@gkss.de on behalf of Hans von Storch <Hans.von.Storch@gkss.de> Thursday, September 07, 2000 2:53 PM

Michael E. Mann

Re: workshop on "Reconstructing Late Holocene Climate"

Dear Mike,

it is my experience that most participants can cover their travel costs, but that one should have some funding available for those who truly need it. It would be certainly impossible to persuade our German ministry to put a large amount of travel money on the table after they have funded various projects with sufficient travel money. I guess the same is true for most of the other Europeans.

In any case, I would need a break down of the costs for approaching the ministry. The on-campus costs as well as the administrative assistant costs should be limited. If you consider it useful, we could do some of the assistant work here in Germany.

A break up of costs could have a format as on average X from country Y,

a% need funding of b \$ ----> aaaa for D

bbbb for NL

ecce for CH

dddd for USA

on campus costs

bbbb

assistant      eeee total      fffff

I will ask Nanne Weber from KNMI how much they paid for the March 1999 work shop in utrecht.

So far I have asked the German ministry for \$5000, but I am willing to ask for when we have agreed on a guess of overall costs, and how much we would expect from the other partners. My own organisation may throw another \$5000 in on top of the travel costs for the participants of my group.

Maybe we should talk on the phone? Regards

Hans

"Michael E. Mann" wrote:

> Hi Hans,

>

> Sorry been so long responding. I've been travelling, etc.

>

> In typical past PAGES/CLIVAR meetings I have been to, funding was

> available for all invited participants. Attendance might suffer

> significantly if this is not the case. We could say that limited

> travel support is available, and hope that those who can afford pay

> themselves. In certain cases, this has been done. But I would guess we

> need a minimum of \$50,000 in travel support (an average of

> 1K/participant, realizing some traveling from greater distances will

> require more, and hoping some cover expenses themselves), to be

>provided by a combination of Euro and U.S. funding.

>

>Additional support would be required for facilities (rental of

>on-campus facilities for the workshop, basic catering (e.g. pads of

> paper, coffee, pastrys, all the stuff you always expect!),

>administrative assistant costs,etc (I don't believe that either you

>or I have the time to do all the administrative stuff ourselves!). I

>am forwarding this to my colleague Jonathan Overpeck and Mark Eakin of

> NOAA who have more experience in these matters,and can perhaps advise

>as to how we need to proceed? Peck, Mark? Your sage advice would be much appreciated!

>

>More soon,

>

>mike

>

>At 10:30 AM 8/15/00 +0200,Hans von Storch wrote:

>>Dear Mike,

> > 2000\$ per person,i.e., 20,000 \$in total If then each country

> >would provide \$5000, financial problems would be solved.What do you think?

>>

>>For me, 9-13 April 2000 is ok.

>>

>>Regards

Hans von Storch  
Institute of Hydrophysics;GKSS Research Center  
Max-Planck-Strasse;21502 Geesthacht;Germany

Phone:+49 (4152)87-1831;fax:+49(4152)87-2832 home fax: +49 4153 582 522 ph + 49 4153 543 36

<http://w3g.gkss.de/staff/storch>

From: Sent: To:

Cc:

Subject:

Michael E. Mann <[mann@multiproxy.evsc.virginia.edu](mailto:mann@multiproxy.evsc.virginia.edu)>

Wednesday, August 23, 2000 2:04 PM Hans von Storch; Michael E. Mann [Hans.von.Storch@gkss.de](mailto:Hans.von.Storch@gkss.de)

Re: workshop on "Reconstructing Late Holocene Climate"

Hi Hans,

Sorry been so long responding. I've been travelling, etc.

In typical past PAGES/CLIVAR meetings I have been to, funding was available for all invited participants. Attendance might suffer significantly if this is not the case. We could say that limited travel support is available, and hope that those who can afford pay themselves. In certain cases, this has been done. But I would guess we need a minimum of \$50,000 in travel support (an average of 1K/participant, realizing some traveling from greater distances will require more, and

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this to my colleague Jonathan Overpeck and Mark Eakin of NOAA who have more experience in these matters, and can perhaps advise as to how we need to proceed? Peck, Mark? Your sage advice would be much appreciated!

More soon, mike

At 10:30 AM 8/15/00 +0200, Hans von Storch wrote:

>Dear Mike,

> 2000\$ per person, i.e., 20,000 \$ in total. If then each country would

>provide \$5000, financial problems would be solved. What do you think?

>

> For me,9-13 April 2000 is ok.

>

>Regards

>

> Hans

>

>

>At 15:57 02.08.00-0400,you wrote:

> oops. Sorry, forgot the attachment. Here it is...

>

> mike

>

>At 03:55PM 8/2/00-0400, Michael E. Mann wrote:

>>Dear Hans and others...

>>

>> I'd like to move forward w/ plans for the spring '00 workshop in "11

>> (I've tweaked our 11

which seems to general for the workshop



»description--I've attached as a word97 file the revised workshop

»description for those who may not yet have seen it).

>>

»I've copied this email to Keith Alverson of PAGES/CLIVAR (who has been

»guide enough to endorse this workshop), Steve Coleman of the NSF Earth

»Systems History program (who has graciously offered to help w/

»funding), and individuals at the the World Data Center for

»Paleoclimatology in Boulder (Mark Eakin and Connie Woodhouse), to

»provide any advice they can regarding the various items/issues brought up in this email.

>>

»It is my assumption that Hans and I will be co-hosting and sharing

»chief "local ". One thing we will need is some

»administrative/organizational/travel

»support. Typically, in the past, this has been provided through the

»donation of one or more administrative assistants from UCAR/JOSS,

»presumably through NSF and NOAA. Perhaps some of the recipients here

»can advise me on this?

>>

»I'm assuming that the workshop will involve no more than about 50-60

»mutually agreed upon invited participants from the U.S., Europe, and

»elsewhere. Anything larger than this would probably be unworkable on a

»number of levels. I'm certain that we already each have many

»individuals in mind, so widdling down to a list of 50 or 60 may be

»challenging. It would be useful to start to get an idea (perhaps from

»my colleagues from NOAA and

»NSF) regarding the typical cost of such an event (and per participant),

»and to find out from Hans how much the other governments (German+

»Swiss/Dutch/Norway) have pledged, so we can figure out how much

»funding we would need to supplement that at the U.S. end.

>>

>>As for timing, we had been discussing April in the past. We want to  
»avoid any conflicts with the EGS Spring meeting (March 26-30 2000). My  
»suggestion is perhaps the second week of April. Does anyone know of  
»any significant potential conflicts at that time?

>>

»Finally, it is important for us to agree upon a policy for  
»paleoclimate data use and submission. In past similar PAGES/CLIVAR  
»workshops, the groundwork has been laid for international cooperation  
»in making paleoclimate data and model simulations accessible to the  
>>community. I believe that this is essential for types of undertakings  
»(model and empirical proxy-based paleoclimate reconstruction) being  
»highlighted by our workshop. Thus one important contribution will be  
>>to try to agree upon some protocol for international cooperation  
»regarding data submission/exchange, etc. I believe we need to work  
»closely w/ individuals at the World Data Center for Paleoclimatology  
»in Boulder CO (head: Mark Eakin, chief scientist: Connie  
»Woodhouse) to try to make this happen.

>>

» I'll look forward to comments and feedback from anyone regarding any  
»of the above issues, and to us beginning to move forward in making  
>>this event  
>happen.

>>>>

>>>>

>>>>

»»543 36

>>>>

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>>>>

>>>>"

>>>>

Max-Planck-Strasse; 21502 Geesthacht;Germany

Phone:+49(4152)87-1831;fax:+49(4152)87-2832 home fax: +49 4153 582 522 ph + 49 4153

>>>

>> Professor Michael E. Mann

>> Department of Environmental Sciences,Clark Hall

>> University of Virginia

>> Charlottesville, VA 22903

>>>

>> FAX: (804) 982-2137

>> <http://www.evsc.virginia.edu/faculty/people/mann.html>

>>>

>>>

>>> Hans von Storch

>> Institute of Hydrophysics, GKSS,Geesthacht,Germany

>>><http://w3g.gkss.de/staff/storch> storch@gkss.de

>>>

>>

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>

>

> Hans von Storch GKSS Research Centre <http://w3g.gkss.de/staff/storch>

>storch@gkss.de presently: Kaspervej 2,4673 Roedvig, Denmark ph: + 45 -

>5650 6760

Professor Michael E. Mann

Department of EnvironmentalSciences, Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail:mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137  
<http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To:

Cc:

Subject:

Dear Keith,

I will attend the meeting. Cheers      Jean

Jean Jouzel <jouzel@lsce.saclay.cea.fr> Monday, August 14, 2000 5:35 AM

Keith Alverson; Jonathan Overpeck; Jean Claude Duplessy; abeouchi@ccsr.u-tokyo.ac.jp;

Keith Briffa; mcane@ldeo.columbia.edu; martin.claussen@pik-potsdam.de; Julia Cole;  
michael.gagan@anu.edu.au; syljous@asterix.saclay.cea.fr; mann@virginia.edu; Thomas Stocker; Andreas  
Villwock

Will Steffen

Re: clivar/pages WG meeting and session at IGBP Open Science Conference july 2001

At 15:55 +0200 9/08/00, Keith Alverson wrote:

>Dear CLIVAR/PAGES Working Group.

>

> Based on the feedback from my last email! have put together a 1

>page proposal for a clivar/pages session at the Global Change open

>science conference next July (<http://www.sciconf.igbp.kva.se>). The  
>proposal has been narrowed to concentrate on ENSO and is just a draft  
>at this point,open for any changes suggested  
>  
> The second pages is a table of the WG members that might be  
>convinced to attend this conference and session. If possible we will  
>try to organize a  
>1/2 day planning meeting of the working group on the side. If a?  
>appears by your name, please send me some idea of your possible attendance.  
>  
> Feedback needs to get to me in the next few weeks as the session  
>proposals are due at IGBP by the end of August.  
>  
>Keith  
>  
>cc: Will Steffen  
>  
>-  
>Keith Alverson  
>Science Officer  
>IGBP-PAGES International Project Office Brenplatz 2  
>3011Bern  
>Switzerland  
>  
>Tel:+4131312 3133  
>Fax: +4131312 3168  
>Email: [alverson@pages.unibe.ch](mailto:alverson@pages.unibe.ch)  
><http://www.pages.unibe.ch>  
>

>

>Attachment converted: Macintosh HD:CLIVAR/PAGES GC.OSM session

>(WDBN/MSWD) (0001C7DB)

Jean Jouzel

Laboratoire des Sciences du Climat et de l'Environnement

UMR CEA-CNRS 1572

CEA Saclay, Orme des Merisiers

91191 Gif sur Yvette, FRANCE

tel : 33 (0) 169 08 77 13 fax : 33 (0) 169 08 77 16

Portable: 33 (0).6 84 75 96 82

e-mail : jouzel@lsce.saclay.cea.fr

From: Sent: To:

Cc:

Subject:

Keith Alverson <keith.alverson@pages.unibe.ch>

Wednesday, August 09, 2000 9:55 AM

Jonathan Overpeck; Jean Claude Duplessy; abeouchi@ccsr.u-tokyo.ac.jp; Keith Briffa;  
mcane@ldeo.columbia.edu; martin.claussen@pik-potsdam.de; Julia Cole; michael.gagan@anu.edu.au;  
syljous@asterix.saclay.cea.fr; jouzel@lsce.saclay.cea.fr; mann@virginia.edu; Thomas Stocker; Andreas  
Villwock

Will Steffen

clivar/pages WG meeting and session at IGBP Open Science

Conference July 2001

Dear CLIVAR/PAGES Working Group.

Based on the feedback from my last email I have put together a 1page proposal for a clivar/pages session at the Global Change open science conference next July (<http://www.sciconf.igbp.kva.se>). The proposal has been narrowed to concentrate on ENSO and is just a draft at this point, open for any changes suggested

The second pages is a table of the WG members that might be convinced to attend this conference and session. If possible we will try to organize a

1/2 day planning meeting of the working group on the side. If a? appears by your name, please send me some idea of your possible attendance.

Feedback needs to get to me in the next few weeks as the session proposals are due at IGBP by the end of August. Keith

cc: Will Steffen

Keith Alverson

Science Officer

IGBP-PAGES International Project Office

Barenplatz 2

3011Bern

Switzerland

Tel:+4131312 3133

Fax: +4131312 3168



Email: [alverson@pages.unibe.ch](mailto:alverson@pages.unibe.ch) <http://www.pages.unibe.ch>

Attachment Converted: c:\program files\eudora\attach\CLIVARPAGES GC1.doc

From: Sent To:

Subject:

Keith Alverson <[keith.alverson@pages.unibe.ch](mailto:keith.alverson@pages.unibe.ch)>

Thursday, July 13, 2000 8:29 AM

Jonathan Overpeck; Jean Claude Duplessy; [abeouchi@ccsr.u-tokyo.ac.jp](mailto:abeouchi@ccsr.u-tokyo.ac.jp); Keith Briffa; [mcane@ldeo.columbia.edu](mailto:mcane@ldeo.columbia.edu); [martin.claussen@pik-potsdam.de](mailto:martin.claussen@pik-potsdam.de); Julia Cole; [michael.gagan@anu.edu.au](mailto:michael.gagan@anu.edu.au); [syUous@asterix.saclay.cea.fr](mailto:syUous@asterix.saclay cea.fr); [jouzel@lsce.saclay.cea.fr](mailto:jouzel@lsce.saclay.cea.fr); [mann@virginia.edu](mailto:mann@virginia.edu); Thomas Stocker; Andreas Villwock

CUVAR/PAGES

Dear CLIVAR/PAGES working group members,

The IGBP and WCRP are planning a large Global Change Open Science Conference in Amsterdam July 10-13, 2001. A request for session suggestions has been distributed. Attached is a draft clivar/pages session proposal

for your comments. I would like to send it to Will Steffen by the end of this month,so please send me any comments before then. For more information on the conference have a look at <http://www.sciconf.igbp.kva.se>.

Keith

>Dear All,

>

>Global Change Open Science Conference,Amsterdam,July 2001

>

>First,thanks to all of you for your inputs on the plenary programme.

>We received many useful comments and have incorporated nearly all of

>them (which was a challenge, given constraints on number o-f speakers!)

>We are now in the process of confirming speakers and chairs (over 50%

>confirmed

>already) and doing some fine-tuning. We'll circulate a near-final

>confirmed programme in about a month.

>

>But now we'd like to give more attention to planning the parallel and

>poster sessions,which are just as important, or even more important,

>than the plenary programme. Nearly all of you have had experiences

>organising big meetings,so we'd very much appreciate your continuing

>input to the OSC planning. We received many good suggestions at

>Cuernavaca and are now are starting to implement those - but more input is always welcome.

>

>PARALLEL SESSIONS- We can have 12 or 14 of these over two days,

>depending on final room configurations. Participation can vary from

>100 up to 1000 (the range of room capacities). In keeping with the

>overall integrative theme of the Conference, we are looking for

>parallel session themes that span the interests of several core

>projects, and across IGBP, WCRP and IHDP. Although the international

>organising committee suggested some 'place-holder' combinations, we'd

>really like the parallel sessions to come from a bottom up process.

>Three sessions have been proposed and will likely be accepted. The titles are:

>

> Science and the IPCC Process

>

> Putting People into the Earth System:Victims or Villains,

>Disturbance or Solution?

>

> Global Change and Fire

>

>Three more are actively being developed. They are:

>

> Earth System Observation

>

> Megacities and Sustainability

>

> Water and Food

>

>We would like to have the parallel session themes finalised around

>September. To propose a session,please send me:

>

>Title of the session

>

>Description of the session (one page or less, ideally with a

>prospective programme - i.e.,list of speakers)

>

>Organiser of the session

>

>Estimated attendance at the session

>

>POSTER SESSIONS - Abstract submissions will open in September, and

>before then, we need to decide on categories around which posters will

>be organised. Our current thinking is to have 8 or 9 major themes,

>with possible sub-themes (comments are welcome on this approach). We

>will probably get at least 500 abstracts, and probably more. We can

>accommodate up to 1000 without having to change posters (ie., all

>posters can be displayed for the entire Conference). Here is a list of

>proposed categories for the poster sessions:

>

>Earth System and Global Sustainability

>Looking Back to the Future (Palaeo Studies) Water Cycle, Water

>Resources, Water Security The Climate System Planetary Metabolism -

>Global Element Cycles Oceans and Coasts Atmosphere and its Interfaces;

>Air Quality Sustaining the Land: Food, Biodiversity and Other Services

>The Human Enterprise and G.C:Industry,Transport,Institutions,

>Vulnerability

>

>These are just suggestions- comments and criticisms welcome!!

>

>

>EVENING SPEAKER: We will have a public lecture during one evening of

>the Conference,in Amsterdam city. This will be a very high profile

>event as it is being sponsored by the major Dutch daily newspaper. We

>are looking for suggestions for the speaker- someone very dynamic and

>interesting (the 'Carl Sagan' of global change). Ideas are very welcome!!

>

>Cheers,

>Will

>

Attachment Converted: c:\program files\eudora\attach\CLIVARPAGES session.doc

From: Sent: To:

Subject:

Hans von Storch <storch@gkss.de> Monday, March 06, 2000 4:38 PM Michael E. Mann

Re: prospective workshop

ok. Hans

At 11:02 06.03.00 -0500, you wrote:

>HI Hans,

>

>Thanks for your message. The other meeting is small, but includes

>several participants I think we need to have (Keith Briffa, Jonathan

>Overpeck, Ray Bradley) which was the reason for my concern at the conflict.

>

>Irregardless of funding, I think that it is important that we attempt

>to coordinate w/ the international PAGES/CLIVAR effort, and it

>shouldn't be difficult to get this cooperation.

>

>I'll be in touch w/ Steve Coleman and Mark Eiken of NSF and NOAA

>(Paleoclimatology program). First I need to contact Frank Oldfield of

>PAGES. If we can get their "blessing" it helps w/ securing U.S.

>funding. Will be in touch again soon,

>

>mike

>

>At 09:16AM 3/6/00 +0100, you wrote:

» Mike, the problem is funding, right? You would not get US funding,

»ebcause

»it would draw from a US "PAGES/CLIVAR" fund? Or are there other

» reasons why it should be consistent with PAGES/CLIVAR?

»I had understood that you are not too keen to have our activities

»aligned to these programmes and their committees? Also I had understood

»that there would be a major difference in focus, namely that the

»"other" fall meeting would be a small meeting on data, while we have

»the systematic combination with models and other multi-proxy reconstructions in our mind.

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»Please note that the German group is MUCH larger than just GKSS:it

»includes AWI and GFZ as major proxy data producers as well, plus

>>various universities.

>>

>>Regards

>>

>>hans

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»»Perhaps there is room to get this in the PAGES/CLIVAR pipeline for

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»»would be a great opportunity to get some of the other European groups (e.g.

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»»work to get a workshop like this in the pipeline.

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>»o f somehow combining the two as Peck suggests (Hans has also

»»suggested this, and I would be happy to help in any way I can if you

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>>>>(unlike Ray or me), so they are key to any PAGES support. Let's see what they say.

>>>>>Thx, Peck

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>>>[http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html)

>>><http://www.ispe.arizona.edu/>

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>>Hans von Storch

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»(until 31. March 2000)

»Institute for Marine and Atmospheric Research Utrecht (IMAU)

»Princetonplein 5, PO Box 80 005, NL 3508 TA Utrecht, The Netherlands

»<http://w3g.gkss.de/staff/storch>

»fax: + 3130 254 3163, phone: +3130 253 3182

»private:Essenkamp 20,3732 De Bilt, + 3130 220 0863

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Hans von Storch

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private: + 31- 30- 220 0863 (Essenkamp 20,3732 AB De Bilt)

From: Sent: To:

Subject:

Hans von Storch <[h.vonstorch@phys.uu.nl](mailto:h.vonstorch@phys.uu.nl)> Monday, March 06, 2000 3:16 AM

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From: Sent: To:

Cc:

Subject:

Thanks Peck,

Michael E. Mann <mann@virginia.edu> Sunday, March 05, 2000 4:37 PM Jonathan Overpeck

rbradley@geo.umass.edu; mhughes@ltrr.arizona.edu; Dominique Raynaud;

pJones@uea.ac.uk; k.briffa@uea.ac.uk

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Jonathan Overpeck <[jto@u.arizona.edu](mailto:jto@u.arizona.edu)> Sunday, March 05, 2000 4:05 PM

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»Storch of GKSS (with additional interest on the part of the Dutch,and

»Swiss) to hold a workshop on paleoclimate data assimilation (empirical

»and model-based) for reconstruction of Holocene climate, which should

»be complementary to other planned PAGES/CLIVAR events in its mission

. »and emphasis. So far, the Germans, etc. have tentatively committed to

»support,but to make it work we need it to have the support of

» PAGES/CLIVAR, Euro,and U.S.funding agencies (NOAA/NSF) in

» particular.I have attached the latest draft announcement for your examination.

>>

» I undestand from Keith that there is a conflict w/ an already

»sponsored PAGES/CLIVAR workshop in October, so we are proposing to

»postpone. The workshop is to be held in Charlottesville (a great

»opportunity for you all to visit!) Virginia, and it should probably be

» no la ter than mid November for optimal weather conditions, etc.

» Holding it in the spring of next year would probably be too late.

>>

»Any suggestions, comments, help would be appreciated.

>>

» thanks,

>>

» mike

>>

» Attachment converted:Macintosh HD:paleo-cville002.doc (WDBN/MSWD)

>>(00009A41)

» Professor Michael E. Mann

» Department of Environmental Sciences,Clark Hall  
» University of Virginia  
» Charlottesville, VA 22903  
>>

>>e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137

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>

>Jonathan T. Overpeck

>Director,Institute for the Study of Planet Earth Professor,Department

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>[http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html)

><http://www.ispe.arizona.edu/>

>

>

From: Sent: To:

Subject:

Phil Jones <pJones@uea.ac.uk> Monday, January 20, 2003 10:59 AM mann@virginia.edu

Fwd: session organization

Mike,

I'd ignore the 60/40 advice. What we have is 18/32, more like 40/60 in favour of talks. Just submit what we agreed and see what happens!

Cheers

Phil

>X-Sender:gang@mailhost.geo.vu.nl

>X-Mailer: QUALCOMM Windows Eudora Version 5.1

>Date:Mon, 20 Jan 2003 16:47:20 +0100

>To: rahmstorf@pik-potsdam.de,rjs@gfdl.noaa.gov, P.J.VALDES@READING.AC.UK,

> GANG@geo.vu.nl,ANTONI.ROSELL@uab.es,A.LOTIER@BIO.UU.N ,

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> robert.berner@yale.edu, droyer@psu.edu, mark.pagani@yale.edu,  
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> net@ecmwf.int, michele.rienecker@gssc.nasa.gov,rmurnane@bbsr.edu  
>From: Gerald Ganssen <gang@geo.vu.nl>  
>Subject: session organization

>  
>Dear colleagues,

>  
>  
>sorry for my mistake,the ratio poster/talks should be 60/40 and not  
>vice versa!

>  
>With kind regards

>  
>Gerald

>  
>  
>  
> Dr. Gerald Ganssen  
> Faculty of Earth and Life Sciences  
> Vrije Universiteit  
> De Boelelaan 1085  
> 1081HV Amsterdam,The Netherlands  
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> fax: 003120 6462457  
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>  
><http://www.geo.vu.nl/-pal/index.htm>  
> <http://www.copernicus.org/egsagueug/index.html>  
>and If you are interested in carpets,have a look at

> <http://www.curiant.net>

>

Prof.PhilJones

Climatic Research Unit Telephone +44 (0) 1603 592090

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NR4 7TJ

UK

From: Sent: To:

Subject:

Dear Colleagues,

Gerald Ganssen <gang@geo.vu.nl> Wednesday, August 28, 2002 8:57 AM

janicot@lmd.ens.fr; rizzoli@mit.edu; D.B.Stephenson@reading.ac.uk;PWll@cam.ac.uk;  
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domraynaud@lgge.obs.ujf-grenoble.fr; christopher.shuman@gssc.nasa.gov

EGS- AGU-EUG organizer session form

all of you will be main convener during the next EGS/AGU/EUG assembly in Nice.

The still not definite programme of our section Climate: past, present,future can be visited on the EGS website:

<http://www.copernicus.org/egsagueug/index.html>

Up to now you did not complete the organizer session form for your session, please check names and addresses of the co-convener and write a short descriptive summary for your session.

My apologies for those who sent me this directly,maybe already months ago. But with the EGS system I cannot enter there to do this job.

Please do it asap,I get more and more requests for new sessions which overlap with already existing, in these cases your session description can give me the necessary arguments for not accepting some of those.

With kind regards

Gerald

Dr. Gerald Ganssen

Faculty of Earth and Life Sciences

Vrije Universiteit

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1081HV Amsterdam, The Netherlands tel.: 0031 20 4447369

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From: Sent: To:

Subject:

Gerald Ganssen <[gang@geo.vu.nl](mailto:gang@geo.vu.nl)> Wednesday, August 28, 2002 8:53 AM



janicot@lmd.ens.fr; rizzoli@mit.edu; D.B.Stephenson@reading.ac.uk;PW @cam.ac.uk;

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grenoble.fr; christopher.shuman@gsfc.nasa.gov

EGS-AGU-EUG organizer session form

Importance: High

Dear Colleagues,

all of you will be main convener during the next EGS/AGU/EUG assembly in Nice.

The still not definite programme of our section Climate: past, present, future can be visited on the EGS website:

<http://www.copernicus.org/egsagueug/index.html>

Up to now you did not complete the organizer session form for your session, please check names and addresses of the co-convener and write a short descriptive summary for your session.

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But with the EGS system I cannot enter there to do this job.

Please do it asap, I get more and more requests for new sessions which overlap with already existing, in these cases your session description can give me the necessary arguments for not accepting some of those.

With kind regards

Gerald

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From: Sent: To: Subject:

Gavin Schmidt <gschmidt@giss.nasa.gov> Monday, August 19, 2002 10:13 AM mann@virginia.edu

Euresco

Bern, 15 August 2002

Invitation to the 2nd Euroconference "Achieving Climate Predictability Using Paleoclimate Data" Barcelona (Spain), October 11-16, 2003

Dear Gavin

With this email I would like to invite you to be a speaker at the sec= and Euroconference "Achieving Climate Predictability Using Paleoclimate Data", to be held near Barcelona (Spain) from October 11 to 16, 2003. The goal of this conference is to continue to build a platform for scientific exchange between two climate research communities who are working on similar topics but come from different angles. Climate variability and predictability is an important theme in both CLIVAR and PAGES, which are the two leading international research initiatives under the umbrellas of WCRP and ICBG, respectively.

We, i.e. Martin Visbeck (Lamont-Doherty, Palisades) and Thomas Stocker (University of Bern) co-chair the organising committee of this meeting, and a draft programme has been formulated. The program covers observational and modeling aspects of climate predictability and attempts to integrate knowledge on past variability into the framework of what we know from present-day observations. Please find the tentative program below this letter.

The European Science Foundation, through the EURESCO program, is handling the administrative and organisational aspects of this conference. In the case of your positive response to our invitation, they will send you an official invitation for the conference with an indication of the expenses that are covered. We are confident, that we will have funding in place for all invited speakers covering the conference fee, accommodation, and travel.

The rules of Euroconferences is that neither abstracts nor papers have to be written before or after the conference. This should stimulate free discussion of maturing research and work in progress among the participants. Therefore, the burden on invited speakers is minimal.

In addition to the invited speakers, we have room for about 70 participants, mainly postdoctoral researchers and advanced PhD students, who will have the opportunity to present posters. To give you an indication, our first conference of this series in 2001 was overbooked by a factor of 4, indicating a strong need for such a platform of exchange.

Martin and I hope that you will be able to participate actively in this conference. Most of the success lies with a strong list of speakers.

We would appreciate if you could let us know by the end of August 2002 whether you are able to accept this invitation. We are looking forward to your reply.

Best regards

Thomas Stocker and Martin Visbeck

Thomas Stocker

Climate and Environmental Physics [stocker@climate.unibe.ch](mailto:stocker@climate.unibe.ch)

Physics Institute, University of Bern phone: +413163144 64

Sidlerstrasse 5 fax: +413163187 42

3012 Bern,Switzerland <http://www.climate.unibe.ch/>"stocker

UNTIL AUGUST 29, 2002:

LSCE-Vai=E9e, B=E2t.12, avenue de la Terrasse, F-91198 GIF-SUR-YV ffiE CEDEX

T=E91. :+33 169 82 43 62- Fax:+33 169 82 35 68 Room 309

EURESCO CONFERENCE

Achieving Climate Predictability Using Paleoclimate Data

11-16 October 2003

San Feliu de Guixols,Spain

Chair: Thomas Stocker, Physics Institute, University of Bern, Bern,Switzerland Vice-Chair: Martin Visbeck,Lamont- Doherty Earth Observatory,Palisades NY,USA

This conference is the second of a series with the goal to bring closer together two communities working on problems of climate dynamics. Two large international programmes, WCRP and IGBP have two respective core projects which are concerned with climate variability and dynamics. These are WCRP's CLIVAR and IGBP's PAGES. The project to hold consecutive conferences every 2 years was established in a special CLIVAR-PAGES working group, established a few

years ago. Members of this group are Abe-Ouchi(Jp),Briffa (UK),Cane {USA),Claussen (D),Cole (USA),Gagan (Aus), Joussaume (F),Jouzel (F), Mann (USA),Stocker (CH). The first conference took place in November 2001.

Meeting 2 - Draft Programme

## Session 1: Paleoclimate variability of the North Atlantic and beyond - data and models

Nalan Koc- Paleooceanography of the nordic seas Eystein Jansen - Paleooceanographic record of North Atlantic variability Phil Jones- Multiproxy reconstruction of North Atlantic variability Gerald Bond -Cycles during the Holocene; long-term natural variability Giancarlo Bianchi - Holocene periodicity in deep ocean flow south of Iceland Gerald Haug- High- resolution records from the tropical Atlantic J=FCrgen P=E4tzold- High-resolution coral records of climate variability Michael Schulz -Analysis of noisy cyclic paleoclimatic data Gavin Schmidt - Paleoclimate modelling

## Session 2: Modern circulation in the North Atlantic - data and models

Cecilia Mauritzen- Arctic- North Atlantic oceanographic connections Fritz Schott- Observation of deep Atlantic currents Bob Dickson - Ocean circulation in the modern North Atlantic-Arctic system John Marshall - High-resolution ocean models of the North Atlantic Monika Rhein - Observation of deep Atlantic currents Detlef Stammer - Ocean Reanalysis over the last 50 years Bill Johns - Variability in the Tropical Atlantic Terry Joyce- Decadal Change in the North Atlantic

## Session 3: The North Atlantic Oscillation, past, present and future

Hubertus Fischer- Ice core records of the NAO Julian Sachs- High resolution marine records of the NAO J=FCrg Luterbacher - Comparing paleoreconstructions of the NAO Carl Wunsch- Interpretation of short climate records with comments on NAO Andy Baker- NAO in speleothems David Thompson- Statistics of NAM and NAO Martin Visbeck- NAO and ocean circulation Mark Rodwell- NAO predictability James Hurrell- NAO and pressure modes in the summer season Arnaud Czaja- Coupled Air-Sea Interaction in the North Atlantic Carsten Eden - Decadal predictability of the NAO Yochanan Kushnir- Modes of variability in the Atlantic Sector

## Session 4: Potential future NA circulation changes and climate predictability

Pascale Delecluse - Modeling and predicting future North Atlantic climate change  
Susanna Corti - Regime shifts in atmospheric circulation modes  
Reto Knutti - Ensembles of future changes of the thermohaline circulation  
Jochem Marotzke - Abrupt climate change: combining models and observations  
Drew Shindell - Solar variability and climate: the Maunder Minimum  
John Mitchell - Modeling and predicting future North Atlantic climate change  
Tim Palmer - Modeling and predicting future North Atlantic climate change  
Axel Timmermann - Conceptual models of climate variability

Michael Vellinga - Coupled simulations of future circulation changes  
Richard Seager - Abrupt Climate Change, the Role of

the Atmosphere  
Rowan Sutton - Changes in the Atlantic MOC and their impacts

Scientific Organizing Committee Chair - Thomas Stocker (Switzerland)  
Vice-Chair - Martin Visbeck (USA)

Keith Alverson (Switzerland)  
Phil Jones (UK)

Jean Jouzel (France)  
Jonathan Overpeck (USA)

Organization and Management:

The bulk of this section is to be provided by the EURESCO office.

Additional publicity will be made available through the CLIVAR and PAGES International Project Offices including by their newsletters and email list servers.

From: Sent: To:

Subject:

Gerald Ganssen <gang@geo.vu.nl> Friday, April 19, 2002 7:45 AM

GANG@geo.vu.nl; BEAUFORT@cerege.fr; P.J.VALDES@reading.ac.uk; DOBENECK@uni-bremen.de; LLOURENS@geo.uu.nl; GASSE@cerege.fr; cdullo@geomar.de; aku@geus.dk; aabelmann@awi-bremerhaven.de; eysteinjansen@geol.uib.no; NALAN.KOC@npolar.no; antoni.rosell@uab.es; E.Rohling@soc.soton.ac.uk; S.COOKE@soc.soton.ac.uk; JOUZEL@Isce.saclay.cea.fr; P.JONES@uea.ac.uk; MANN@virginia.edu; LOUTRE@astr.ucl.ac.be; NEBOUT@ccr.jussieu.fr

NICE

Importance: High

Dear conveners and chairperson of Palaeoclimatology, a few remarks before we meet:

EGS asks all chairpersons to keep the time-schedule very tight, the speakers have 15 minutes and this includes discussion time.

If a talk gets cancelled and you know in advance, or a speaker does not show up (this happens) do not announce the next talk directly but spend the extra time either by spare talks or use this time for additional discussions.

In this way we avoid that people who come for one talk into the session on time miss the talk.

The tight schedule is even more important when during one time slot sessions change. This happens two or three times in the program. I would have preferred having 15 minutes extra for this change, but it was not possible with the overall schedule of our sessions.

I would like to bring the business meeting on Thursday, 25.4.12.3Q-14.00h in room Clio to your attention. This will be the business meeting of the newly formed section Climate:

"Past, Present, Future..." where possibly due to political reasons "...and Glaciology" was added, which to my opinion does

not sound very elegant.

Anyway, our interdisciplinary working group "Palaeoclimatology" from now on is merged with the modern Climate

Sciences. The old section OA was too big and now is splitted into Ocean, Atmosphere and Climate. There we will discuss more about the structure and the program for 2003.

I am happy to see you all next week and hope we can give a good and strong contribution to the meeting.

With kind regards

Gerald

Dr. Gerald Ganssen

Institute of Earth Sciences

Vrije Universiteit

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1081 HV Amsterdam, The Netherlands tel.: 003120 4447369

fax: 003120 6462457

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<http://www.geo.vu.nl/pa1>

<http://fwww.geo.vu.nl/users/pa1/staff/Ganssen.htm>

From: Sent: To:

Subject:

Gerald Ganssen <gang@geo.vu.nl> Monday, March 25, 2002 5:38 AM

GANG@geo.vu.nl;BEAUFORT@cerege.fr;P.J.VALDES@reading.ac.uk; DOBENECK@uni-bremen.de;  
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P.JONES@uea.ac.uk;MANN@virginia.edu; LOUTRE@astr.ucl.ac.be; NEBOUT@ccr.jussieu.fr

NICE sessions

Importance: High

Dear all,

finally, the PC sessions are scheduled again as originally and the preferences of all convenors are taken into account. Unfortunately, either because the convenors did not fill in or the submitted names have disappeared due to the latest

session shifts, there are no chairpersons on the web yet for sessions PC1, PC3 and PC6 (sorry Ton it's my fault for PC6 as I

was too busy to get the sessions scheduled correctly, yours had switched to Thursday!!!!).

If Eelco and Paul could send me the chairpersons for the different session parts (for Ton, I already know), I will try to still get it in via EGS on the web.

Anyway, please take care that you distribute the different session parts amongst the (co-)convenors that everyone indeed knows when to chair.

Sorry for this inconvenience. With kind regards

Gerald

Dr. Gerald Ganssen Institute of Earth Sciences Vrije Universiteit

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From: Sent: To:

Subject

Gerald Ganssen <gang@geo.vu.nl> Thursday, March 21, 2002 7:42 AM

GANG@geo.vu.nl; BEAUFORT@cerege.fr; PJ.VALDES@reading.ac.uk; DOBENECK@uni-bremen.de; LLOURENS@geo.LJu.ni; GASSE@cerege.fr; cdullo@geomar.de; aku@geus.dk; aabelmann@awi-bremerhaven.de; eysteinJansen@geol.uib.no; NALAN.KOC@npolar.no; antoni.rosell@uab.es; E.Rohling@soc.soton.ac.uk; S.COOKE@soc.soton.ac.uk; JOUZEL@Isce.saclay.cea.fr; P.JONES@uea.ac.uk; MANN@virginia.edu; LOUTRE@astr.ucl.ac.be; NEBOUT@ccrjussieu.fr

pc sessions

Importance: High

Dear .all,

me again....

just had a long phoncall conversation with Arne Richter. What had happened:

The president of OA did not do his job at all. As a result, some people within OA had to schedule the sessions at a very late stage. As the program had to be on the net already the changes within our PC sessions have not been mentioned either to the convenors nor to me. In the meantime all speakers have been informed about the day and time of the talk.

I could not accept the changes made without my knowledge, specially as after the change the preferences of three PC session chairpersons had been neglected. So I insisted on the original schedule as proposed (again, see

attached). Arne will redo our session distribution and people will be informed over the new day and time of their contribution.

Again, sorry for this.

It seems that this kind of mess happens every year. We will try to prevent this and find constructive solutions for this problem in the future.

With kind regards

Gerald

Attachment Converted: "C:\WINDOWS\DESKTOP\Attach\prosched.xls" Dr. Gerald Ganssen

Institute of Earth Sciences

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From: Sent: To:

Cc:

Subject:

Gerald Ganssen <gang@geo.vu.nl> Thursday, March 21, 2002 6:10 AM

GANG@geo.vu.nl; BEAUFORT@cerege.fr; PJ.VALDES@reading.ac.uk; DOBENECK@uni-bremen.de; LLOURENS@geo.uu.nl; GASSE@cerege.fr; cdullo@geomar.de; aku@geus.dk; aabelmann@awi-bremerhaven.de; eysteinJansen@geol.uib.no; NALAN.KOC@npolar.no; antoni.rosell@uab.es; E.Rohling@soc.soton.ac.uk; S.COOKE@soc.soton.ac.uk; JOUZEL@Isce.saclay.cea.fr; P.JONES@uea.ac.uk; MANN@virginia.edu; LOUTRE@astr.ucl.ac.be; NEBOUT@ccrJussieu.fr

Dr. Arne Richter

complaints about schedule

Importance: High

Dear colleagues,

attached you will find the schedule for all PC sessions as I originally submitted to the EGS office. I took into account the wishes of ALL main convenors.

As I obviously was the first chairman of the three who have to share the room facilities (together with BG and OA), my schedule was on the web as I had submitted it and I was happy about it.

Yesterday I realised that changes have been made, and I get complaints by several people.

I only have access to the pc sessions and sent my schedule to the BG and OA persons,so they could fit their schedule in. I do not know who has changed the original schedule and why, nor I was informed about it.

I will contact Arne Richter by phone and try to sort it out and get back to the original schedule.

I am sorry for all this as it is not my policy to get people who do the work angry, even that they are thinking about not coming to Nice this year.

Hoping to bring you better news,soon with kind regards

Gerald

Attachment Converted: "C:\WINDOWS\DESKTOP\Attach\prosched.xls"

Dr. Gerald Ganssen Institute of Earth Sciences Vrije Universiteit

De Boelelaan 1085

1081HV Amsterdam,The Netherlands tel.:003120 4447369

fax: 003120 6462457

e-mail: gang@geo.vu.nl

<http://www.geo.vu.nl/pal> <http://www.geo.vu.nl/users/pal/staff/Ganssen.htm>

From: Sent: To:

Subject:

Gerald Ganssen <gang@geo.vu.nl> Monday, June 24, 2002 9:31AM

ULBRICH@meteo.uni-koeln.de; PWil@cam.ac.uk; B.MCAVANEY@bom.gov.au; gottfried.kirchengast@uni-graz.at; LI@Imdjussieu.fr; W.STURGES@uea.ac.uk; P.J.VALOES@reading.ac.uk; a.lotter@bio.uu.nl; oberh@gfz-potsdam.de; a.s.cohen@open.ac.uk; mel.reasoner@sanw.unibe.ch; MANN@virginia.edu; Laurent.Labeyrie@lsce.cnrs-gif.fr; BEAUFORT@cerege.fr; EYSTEIN.JANSEN@geol.uib.no; ms@gpi.uni-kiel.de; keith.alverson@pages.unibe.ch; paul.pearson@bristol.ac.uk; nedelec@lmtg.ups-tlse.fr; h.a.armstrong@durham.ac.uk; l.clarke@bangor.ac.uk; cdullo@geomar.de; jeanpierre.henriet@rug.ac.be; juergen.mienert@ibg.uit.no

EGS-AGU-EUG Climate sessions for 2003

Importance: High

Dear colleagues,

about 10 days ago I sent you a mail w.r.t. the chairpersonship for next years' EGS-AGU-EUG meeting in Nice. We are supposed to have finished this preliminary schedule by June 28th. Then the EGS office will contact the dedicated main conveners for description of the sessions and compiling the list of co-conveners with full affiliation etc.

Unfortunately, I did not get a reply from you up to now.

Please confirm your willingness to chair the respective session asap. With kind regards

Gerald

attached the spreadsheet as it looks up to now

>Dear all,

>

>from all the information I got I compiled the preliminary programme of

>the

section "Climate: past,present, future" for the EGS-AGU-EUG meeting 2003 (see attached file). This message is sent to the main conveners (as far as I got the names). I would like to ask you to confirm that you would like to organize the respective session,to fill, add, cancelthe names of co-conveners and their e-mail addresses.

>A session which is organized by conveners from one institute is not

acceptable, the European dimension and of the topic should be reflected by the nationalities of the conveners, American co-conveners are very welcome, certainly as AGU is joining next year.

>In the compilation I tried to incorporate all suggestions. In the joint

programme meeting with the colleagues from AGU and EUG in Nice, it was decided that a session which attracts less than 14 abstracts ( 1block with

7 oral presentations and 7 posters -the 50/50% rule) will not survive. In this case the contributions will be put into the

"Open session".

>Please, send any changes you would like to make directly to me,I will

forward them to the EGS-office, see the message from EGS to the programme committee, copied below:

» We will

»have uploaded these programmes by 6 June,and they will become

»accessible for you only through an additionalbotton "PC Draft

» Programme" on the Joint Assembly Home Site.



>>

» You will then have the possibility to nominate conveners and/or  
»co-conveners and/or new sessions until 28 June. Please, send all your  
»entries to the EGS Office (egs@copernicus.org). We will upload all  
» your information immediately.From July to September the programme  
» will then be accessible for the public. However, the public will not  
»be able to c hange sessions and/or to nominate conveners or  
»co-conveners for sessions which are regarded by you to be final.

>>

» We expect that all conveners forwarded by you have been approached by  
» you and have agreed to serve in their position. We will contac t them  
»later on and ask them to upload their session information by the  
»"Session Information Form" online directly onto the Web.

>

>If you have any questions, please do not hesitate to contact me.

>

>With kind regards

>

>Gerald

>

>

Attachment Converted:"C:\WINDOWS\DESKTOP\Attach\CL 2003,020624.xls"

Dr. Gerald Ganssen

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fax: 003120 6462457

e-mail: [gang@geo.vu.nl](mailto:gang@geo.vu.nl)

<http://www.geo.vu.nl/pal>

<http://www.copernicus.org/egsagueug/index.html>

From: Sent: To:

Subject:

Gerald Ganssen <[gang@geo.vu.nl](mailto:gang@geo.vu.nl)> Thursday, June 13, 2002 6:03 AM  
[janicot@lmd.ens.fr](mailto:janicot@lmd.ens.fr); [J.M.SLINGO@reading.ac.uk](mailto:J.M.SLINGO@reading.ac.uk); [J.M.SLINGO@reading.ac.uk](mailto:J.M.SLINGO@reading.ac.uk); [ULBRICH@meteo.uni-koeln.de](mailto:ULBRICH@meteo.uni-koeln.de); [PWll@cam.ac.uk](mailto:PWll@cam.ac.uk); [B.MCAVANEY@bom.gov.au](mailto:B.MCAVANEY@bom.gov.au); [TVKUZ@izmiran.rssi.ru](mailto:TVKUZ@izmiran.rssi.ru);

gottfried.kirchengast@uni-graz.at; JRB@gfy.ku.dk; U@lmdJussieu.fr; W.STURGES@uea.ac.uk;  
Martin.Beniston@unifr.ch; mas@mssl.ucl.ac.uk; P.J.VALDES@reading.ac.uk; a.lotter@bio.uu.nl; oberh@gfz-  
potdam.de; a.s.cohen@open.ac.uk; hugo@stfx.ca; mel.reasoner@sanw.unibe.ch; MANN@virginia.edu;  
Laurent.Labeyrie@lsce.cnrs-gif.fr; E.ROHUNG@soc.soton.ac.uk; aabelmann@awi-  
bremerhaven.de;jan.backman@geo.su.se; nalan.koc@npolar.no; BEAUFORT@cerege.fr;  
EYSTEIN.JANSEN@geol.uib.no; ms@gpi.uni-kiel.de; rgersonde@awi-bremerhaven.de;jbUma@awi-  
bremerhaven.de;nedelec@lmtg.ups-tlse.fr; h.a.armstrong@durham.ac.uk;  
l.clarke@bangor.ac.uk;kroo@geo.vu.nl;  
cdullo@geomar.de;jeanpierre.henriet@rug.ac.be;juergen.mienert@ibg.uit.no; rschneid@uni-bremen.de;  
domraynaud@glaciog.ujf-grenoble.fr; christopher.shuman@gsfc.nasa.gov

Climate: past, present, future preliminary programme 2003

Importance: High

Dear all,

from all the information I got I compiled the preliminary programme of the section "Climate: past, present, future" for the EGS-AGU-EUG meeting 2003 (see attached file). This message is sent to the main conveners (as far as I got the names). I would like to ask you to confirm that you would like to organize the respective session, to fill, add, cancel the names of co-conveners and their e-mail addresses.

A session which is organized by conveners from one institute is not acceptable, the European dimension and of the topic should be reflected by the nationalities of the conveners, American co-conveners are very welcome, certainly as AGU is joining next year.

In the compilation I tried to incorporate all suggestions. In the joint programme meeting with the colleagues from AGU

and EUG in Nice, it was decided that a session which attracts less than 14 abstracts ( 1 block with

7 oral presentations and 7 posters -the 50/50% rule) will not survive. In this case the contributions will be put into the

"Open session".

Please, send any changes you would like to make directly to me, I will forward them to the EGS-office, see the message from EGS to the programme committee, copied below:

>We will

>have uploaded these programmes by 6 June, and they will become

>accessible for you only through an additional button "PC Draft  
>Programme" on the Joint Assembly Home Site.  
>  
>You will then have the possibility to nominate conveners and/or  
>co-conveners and/or new sessions until 28 June. Please, send all your  
>entries to the EGS Office (egs @copernicus.org). We will upload all your  
>information immediately. From July to September the programme will then  
>be accessible for the public. However, the public will not be able to  
>change sessions and/or to nominate conveners or co-conveners for  
>sessions which are regarded by you to be final.  
>  
>We expect that all conveners forwarded by you have been approached by  
  
>you and have agreed to serve in their position. We will contact them  
>later on and ask them to upload their session information by the  
>"Session Information Form" online directly onto the Web.

If you have any questions, please do not hesitate to contact me. With kind regards

Gerald

Attachment Converted: "C:\WINDOWS\DESKTOP\Attach\CL 2003,020612.xls" Dr. Gerald Ganssen

Faculty of Earth and Life Sciences

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fax: 003120 6462457

e-mail: gang@geo.vu.nl

<http://www.geo.vu.nl/> pal <http://www.copernicus.org/egsagueug/index.html>

From: Sent: To:

Subject:

Gerald Ganssen <gang@geo.vu.nl> Tuesday, May 21, 2002 8:55 AM

GANG@geo.vu.nl; BEAUFORT@cerege.fr; P.J.VALDES@reading.ac.uk; DOBENECK@uni-

bremen.de; LLOURENS@geo.uu.ni; GASSE@cerege.fr; cdullo@geomar.de; aku@geus.dk; aabelmann@awi-bremerhaven.de; eystein.jansen@geol.uib.no; NALAN.KOC@npolar.no; antoni.rosell@uab.es;

E.Rohling@soc.soton.ac.uk; S.COOKE@soc.soton.ac.uk; JOUZEL@Isce.saclay.cea.fr;

P.JONES@uea.ac.uk;MANN@virginia.edu;

LOUTRE@astr.ucl.ac.be; NEBOUT@ccr.jussieu.fr

conveners report...

Importance: High

Dear (co-)convener of EGS 2002,

I would like to thank all of you for your contribution as convenor and chairperson of this years EGS Assembly.

We had a total of about 150 contributions in the field of palaeoclimate and all sessions which I could participate went very smoothly as all chairpersons acted very well and kept the time-schedule very tight.

As convener it is your duty to write a short report about your session and send it to the EGS office. Then it will be taken up on the web. Please do!!!!

We are now preparing the EGS-AGU-EUG programme for next year under the umbrella of the new section "Climate:

past, present, future" where palaeoclimate hopefully will continue growing. Hope to see you all back in Nice next year.

With kind regards

Gerald

Dr. Gerald Ganssen Institute of Earth Sciences Vrije Universiteit

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fax: 003120 6462457

e-mail: gang@geo.vu.nl

<http://www.geo.vu.nl/> pal <http://www.geo.vu.nl/users/pa1/staff/Ganssen.htm>

From: Sent: To:

Subject:

Gerald Ganssen <gang@geo.vu.nl> Wednesday, March 20, 2002 5:05 AM

GANG@geo.vu.nl; BEAUFORT@cerege.fr; PJ.VALDES@reading.ac.uk; DOBENECK@uni-bremen.de; LLOURENS@geo.uu.nl; GASSE@cerege.fr; cdullo@geomar.de; aku@geus.dk; aabelmann@awi-bremerhaven.de; eysteinjansen@geol.uib.no; NALAN.KOC@npolar.no; antoni.rosell@uab.es; E.Rohling@soc.soton.ac.uk; S.COOKE@soc.soton.ac.uk; JOUZEL@lsce.saclay.cea.fr; PJONES@uea.ac.uk; MANN@virginia.edu; LOUTRE@astr.ucl.ac.be; NEBOUT@ccr.jussieu.fr

EGS chairpersons

Importance: High

Dear colleagues,

on March 8 we all received a mail by Arne Richter concerning the Nice programme (I am not very sure if we all did, indeed).

Here Arne asks to fill in the names of the chairpersons for the respective sessions. As far as I can see, nobody did up to now.

I urgently ask the main-convenors - after checking with all their co-convenors - to do that a.s.a.p.!

Further I suggest that for the poster sessions all convenors are responsible and mentioned as chair-persons and indeed are present during the official poster session hours. This is important to stress the importance of the posters w.r.t. the talks.

For PhilJones: As you can see your medal lecture is scheduled different than I suggested, I hope this not to be a problem.

With kind regards

Gerald

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fax: 003120 6462457

e-mail: gang@geo.vu.nl

<http://www.geo.vu.nl/> pal <http://www.geo.vu.nl/users/pal/staff/Ganssen.htm>

From: Sent: To:

Subject:

Gerald Ganssen <gang@geo.vu.nl> Thursday, January 24, 2002 6:21AM

GANG@geo.vu.nl; BEAUFORT@cerege.fr; PJ.VALDES@reading.ac.uk; DOBENECK@uni-

bremen.de; LLOURENS@geo.uu.nl; GASSE@cerege.fr; cdullo@geomar.de; aku@geus.dk; aabelmann@awi-  
bremerhaven.de; eysteinjansen@geol.uib.no; antoni.rosell@uab.es;

E.Rohling@soc.soton.ac.uk; JOUZEL@Isce.saclay.cea.fr; PJONES@uea.ac.uk; MANN@virginia.edu;  
LOUTRE@astr.ucl.ac.be

EGS abstract evaluation



Importance: High

Dear convenors,

this is a reminder, that the submitted abstracts are now available on the web (see copy below).

The designed convenors have to do the job, if not agreed otherwise within the group of (co-)convenors. Please communicate with each other to make sure the job will be done!

**PLEASE, LET ME KNOW BY E-MAIL WHEN YOU FINISHED THE ORGANIZATION OF YOUR SESSION AND IF YOU HAVE ANY PROBLEM WITH IT!**

**PLEASE TAKE CARE THAT THE PERCENTAGE BETWEEN ORAL AND POSTER PRESENTATION IS ABOUT 50/50.**

>Irrespectively, your Convener's Overview will be accessible on

>Wednesday, 23 January 2002, at 00:00 GMT until Thursday, 31 January 2002, at 24:00 GMT. In the

>meantime you may study the Convener's Guidelines at

>[http://www.copernicus.org/EGS/egsga/nice02/convener\\_guideLines.htm](http://www.copernicus.org/EGS/egsga/nice02/convener_guideLines.htm)

>

>To provide sufficient time for you to fulfill your tasks properly, we

>have divided the

>workload into two parts:

>

>Part 1: 23-26 January 2002

>-----

>for compilation of your Session by adding contributions only you have received or  
>which were gathered in the so-called NO SESSION to your Session, by  
transferring  
>contributions to other "true" Sessions or to the NO SESSION, or by  
>rejecting contributions (NO SESSION= free session for parking  
>contributions which are not/cannot be associated with an appropriate  
>Session of the Assembly  
Programme).

>

>Part 2: 27-31 January 2002

>-----

>for organizing the oral and poster sub-sessions and for recommending

certain support

>applications, i.e., to classify now the contributions of your Session

>into oral and

>poster sub-sessions, to select solicited papers, and to arrange the

>papers

in each sub-

>session separately in the order of their presentation. Abstracts of authors applying for

>financial support should be reviewed critically with regard to their excellence and

>importance for your Session. Only max. ONE application can be supportedI

Kind regards

Gerald

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fax: 003120 6462457

e-mail: gang@geo.vu.nl

<http://www.geo.vu.nl/pal> <http://www.geo.vu.nl/users/pal/staff/Ganssen.htm>

From: Sent: To:

Subject:

Dear conveners,

Gerald Ganssen <gang@geo.vu.nl> Tuesday, December 18, 2001 9:00 AM

GANG@geo.vu.nl; BEAUFORT@cerege.fr; P.J.VALDES@reading.ac.uk; DOBENECK@uni-

bremen.de; LLOURENS@geo.uu.nl; GASSE@cerege.fr; cdullo@geomar.de; aku@geus.dk;

aabelmann@awi-bremerhaven.de; eysteinJansen@geol.uib.no; antoni.rosell@durham.ac.uk;

E.Rohling@soc.soton.ac.uk; JOUZEL@Isce.saclay cea.fr; P.JONES@uea.ac.uk; MANN@virginia.edu;

LOUTRE@astr.ucl.ac.be

Announcing PC sessions

I just sent around the programme of the IWG Palaeoclimatology in general. Please announce your session within the group of possibly interested colleagues.

During the last board meeting of EGS it was decided to split the large section of Ocean and Atmosphere into three sections:

Atmospheric Sciences

Ocean Sciences

Climate Sciences

Our PC will be within the Climate Sciences.

There were some discussions about it, as lots of Paleoceanographers might feel a bit lost within this group if strictly defined.

This structure has finally been agreed upon also in the view of EGS 2003 the joint venture of EGS, AGU and EUG.

I hope that we from our discipline(s) will be able to make EGS 2002 a success and play an important role in 2003. It's up to us.

With kind regards, Merry Christmas and a good start for 2002. Gerald

Dr. Gerald Ganssen

Institute of Earth Sciences

Vrije Universiteit

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fax:003120 6462457

e-mail:gang@geo.vu.nl

<http://www.geo.vu.nl/pal> <http://www.geo.vu.nl/users/pal/staff/Ganssen.htm>

From: Sent: To:

Subject:

Dear colleagues,

Gerald Ganssen <gang@geo.vu.nl> Monday, April 02, 2001 12:52 PM

GANG@geo.vu.nl; BEAUFORT@cerege.fr; P.J.VALDES@reading.ac.uk; DOBENECK@uni-

bremen.de; LLOURENS@geo.uu.nl; GASSE@cerege.fr; cdullo@geomar.de; aku@geus.dk; aabelmann@awi-bremerhaven.de; eystein.jansen@geol.uib.no; antoni.rosell@durham.ac.uk; E.Rohling@soc.soton.ac.uk; JOUZEL@Isce.saclay.cea.fr; P.JONES@uea.ac.uk; MANN@virginia.edu

IWG PC program 2002

attached you find the program as agreed upon during our business meeting and slightly changed after some more discussions.

Kind regards

Gerald

Attachment Converted: "C:\WINDOWS\DESKTOP\Attach\IWG PC sessions 20021.doc"

Dr. Gerald Ganssen Institute of Earth Sciences Vrije Universiteit

De Boelelaan 1085

1081HV Amsterdam, The Netherlands tel.: 003120 4447369

fax: 003120 6462457

e-mail: gang@geo.vu.nl

<http://www.geo.vu.nl/pal> <http://www.geo.vu.nl/users/pal/staff/Ganssen.htm>

From: Sent: To:

Subject:

Dear colleagues,

Gerald Ganssen <gang@geo.vu.nl> Monday, April 02, 2001 12:52 PM

GANG@geo.vu.nl; BEAUFORT@cerege.fr; P.J.VALDES@reading.ac.uk; DOBENECK@uni-bremen.de; LLOURENS@geo.uu.nl; GASSE@cerege.fr; cdullo@geomar.de; aku@geus.dk; aabelmann@awi-bremerhaven.de; eysteinjansen@geol.uib.no; antoni.rosell@durham.ac.uk; E.Rohling@soc.soton.ac.uk; JOUZEL@Isce.saclay.cea.fr; P.JONES@uea.ac.uk; MANN@virginia.edu

IWG PC program 2002

attached you find the program as agreed upon during our business meeting and slightly changed after some more discussions.

Kind regards

Gerald

Attachment Converted: "C:\WINDOWS\DESKTOP\Attach\IWG PC sessions 20022.doc"

Dr.Gerald Ganssen Institute of Earth Sciences Vrije Universiteit

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1081HV Amsterdam, The Netherlands tel.: 003120 4447369

fax: 003120 6462457

e-mail:gang@geo.vu.nl

<http://www.geo.vu.nl/pal> <http://www.geo.vu.nl/users/pal/staff/Ganssen.htm>

From: owner-paleoclimate-list@lists.colorado.edu on behalf of Catherine Stickley

<c.stickley@ucl.ac.uk>

Sent: To: Subject:

Dear Colleagues

\*Apologies for cross-postings\*

Friday, March 30, 2001 6:37 AM paleoclimate-list@lists.colorado.edu PAGES-PEPli Conference.

Past Climate Variability Through Europe and Africa.

27 - 31 August 2001. Centre des Congrès, Aix-en-Provence, France.

This is a reminder about the IGBP-PAGES PEPIII palaeoclimatology conference. The deadline for reduced fees is

SATURDAY MARCH 31 (tomorrow!).

However you may register up to June 30, at the higher rate.

Reduced rate fees Full/Students = 1600/1100 French Francs (deadline 31/03/01) Higher rate fees Full/Students =

1900/1400 French Francs (deadline 30/06/01).

The conference aims to synthesise our current understanding of climate variability and its impacts through Europe and Africa (the PEPIII transect) and will consist of a number of plenary presentations from invited speakers and a series of poster sessions open for all participants. The plenary sessions will place the PEPIII transect both within a global climatic context and in relation with other palaeoclimatic programs, and will highlight new results along the transect.

The accepted keynote speakers are:

Frank Oldfield, Sylvie Joussaume, Eystein Jansen, Pieter Grootes, Lonnie Thompson, Christian Schlichter, Mike Edmunds, Stein-Erik Lauritzen, Luc Ortlieb, Tom Johnson, Stefan Kroepelin, Rob Marchant, Dominique Jolly, Vera Margraf, Daniel Olago, Mohammed Umer (tbc), Hilaire Elenga (tbc) and Bisi Souwnmi (tbc). There will also be presentations from the PEPIII Science

leaders: Keith Briffa, Atte Korhola, Ian Snowball, Keith Barber, Pavel Tarasov, John Lowe, Jef Vandenberghe, Tony Stevenson, Neil Roberts, Rachid Cheddadi, Donatella Magri, Nejib Kallel, Fekri Hassan, Philip Hoelzmann, Dirk Verschuren, Mike Talbot, Eric Odada, Alayne Street-Perrott, Louis Scott, Julia Lee-Thorp and Tim Partridge.

Further details on how to register can be found at the conference website:

<http://www.geog.ucl.ac.uk/ecrc/pep3/aix2001/>

Please note that the poster abstract submission deadline is extended to MONDAY APRIL 30.





EGS

Importance: High

<x-flowed>

Dear Phil and Mike,

I will unfortunately arrive in Nice on thursday morning just fou our session {I have meeting in Paris wednesaday). I hope it will go well.

What is your feeling about the mail below. I would like to discuss this with you. See you thursday {I hope).

Jean

>X-Sender: gang@mailhost.geo.vu.nl

>X-Priority: 1 {Highest}

>Date: Thu, 22 Mar 2001 16:44:05 +0100

>To: GA NG@geo.vu.nl, BEAUFORT@CEREGE.FR, P.J.VALOES@R EADING.AC.UK,

> DOBENECK@uni-bremen.de, LLOURENS@GEO.UU.NI, GASSE@CEREGE.FR,

> aeisenhauer@geomar.de,cdullo@geomar.de, jbijma@awi-bremerhaven.de,

> aku@geus.dk,aabelmann@awi-bremerhaven.de,eystein.jansen@geol.uib.no,

> laurent.Labeyrie@lsce.cnrs-gif.fr, tjeerd@nioz.ni,

> antoni.rosell@durham.ac.uk,zivp@geo.vu.nl,mconte@whoi.edu,

> dkroon@glg.ed.ac.uk, gang@geo.vu.nl,dobeneck@uni-bremen.de,

> P.J.VALDES@READING.AC.UK, p.jones@uea.a c.uk,

> Eelco.J.Rohling@soc.soton.ac.uk, cdullo@geomar.de, jouzel

>From: Gerald Ganssen <gang@geo.vu.nl>

>Subject: alternative for IWG Pala eoclimatology 2002

>Status:

>

>Dear colleagues,

>

>below (also attached) you find a concept alternative for the sessions

>in

>2002 instead of leaving the sessions as they are this year. The reason

>is that we are supposed to make the IWG stronger.

>

>

>Alternative for 2002:

>

>Sessions IWG Palaeoclimatology:

>

>PC1. From process studies to reconstruction of the

>palaeoenvironment: advances in palaeoceanography and -climatology:

>Convener:Beaufort, L.; Co-Convener(s): Ganssen,G.M., Valdes,P.J.,

>von Dobeneck,T.

>

>PC2. Monsoon variability and global climate changes:

>Convener:Laurens, L.; Co-Convener(s): Beaufort,L., Gasse,F.

>

>

>NEW: Towards an uniform (global) time scale for the late Pleistocene as

>basis for paleoclimate reconstructions. (Laurens,Shackleton, Bard)

>

>

>PC3. Northern and southern hemisphere climate change and

>interhemispheric ocean interaction: leads and lags:

>Convener: Kuijpers, A.;Co-Convener(s): Abelmann, A.,Jansen, E.

>

>Combine with NEW: HOLOCENE SEA ICE VARIABILITY IN ARCTIC APPROACHES

>(Kuijpers)

>

>

>

>PCS. The1000year cord:

>Convener: Dullo, W.-C.;Co-Convener(s):Eisenhauer,A.

>Combine with:

>OA28.01 Study of past climates (co-sponsored by PC): Climate of

>the past millennium

>Convener: Jouzel,J.; Co-Convener(s): Jones, P.O., Mann, M.E.

>

>

>

>

>NEW: Climate Change, human (hominid) development and archeology (nn)

>

>

>

>

>Combine PC4,6,7

>PC4. Foraminifera as proxies in palaeoceanography: geochemical

>signals, processes and applications:

>Convener: Ganssen,G.M.;Co-Convener(s): Bijma,J.,Kroon, D.

>PC6. Deep sea corals; environmental conditions and

>Paleoceanography:

>Convener:van Weering,T.C.;Co-Convener(s): Dullo,W.-C., Labeyrie, L.

>PC7. The use of coccolithophore-based proxies in  
>palaeoceanography: biomarkers and coccolith carbonate:  
>Convener: Ziveri, P.;Co-Convener(s): Conte, M.,Roseii-Melle, A.  
>  
>Intro: Faunal- and floral-based proxies in Palaeoceanography: validation  
>and application  
>  
>  
>  
  
>  
>0A28.02 Study of past climates (Co-sponsored by PC): From an  
>hypothetic snowball Earth  
>to the climatic environment of the hominides  
>Convener:Ramstein,G.;Co-Convener(s): Valdes, P.J.  
>  
>  
>Please think about it and comment, also in the view of the joined  
>EGS/AGU meeting in 2003.  
>  
>We have to come with a final programme for 2002 during our IWG meeting.  
>  
>Kind regards  
>  
>Gerald  
>  
>Dr. Gerald Ganssen  
>Institute of Earth Sciences  
>Vrije Universiteit  
>De Boelelaan 1085

>1081HV Amsterdam, The Netherlands  
>tel.: 003120 4447369  
>fax: 003120 6462457  
>e-mail: gang@geo.vu.nl  
>  
><http://www.geo.vu.nl/pal>  
><http://www.geo.vu.nl/users/pal/staff/Ganssen.htm>

Jean Jouzel  
Laboratoire des Sciences du Climat et de l'Environnement  
UMR CEA-CNRS 1572  
CEA Saclay, Orme des Merisiers  
91191 Gif sur Yvette, FRANCE  
tel : 33 (0) 169 08 77 13 fax : 33 (0) 169 08 77 16  
Portable: 33 (0).6 84 75 96 82  
e-mail :jouzel@lsce.saclay.cea.fr --- - - - - -

</x-flowed>

From: Sent: Subject:

P.Davies and J. Sommeria <aosta@icg.to.infn.it> Wednesday, April 04, 2001 3:23 PM  
Grand Combin Summer School: THE FLUID DYNAMICS OF COASTAL SEAS, CLOSED  
BASINS AND LAKES (2nd announcement)

Grand Combin Summer School on:

"Fundamental Problems in Geophysical and Environmental Fluid Dynamics"

2001 Course Announcement (2nd announcement)

THE FLUID DYNAMICS OF COASTAL SEAS, CLOSED BASINS AND LAKES

!!!!!!!!!!!!!!!!!!!!!!I!!!!!!!!!!!!!!!!!!!!!!III!!!!!!!!!!!!!!!!!!!!!!II!!!!!!!!!!

!!!!PLEASE, DELIVER THIS ANNOUCEMENT TO EVERYONE MAY BE INTERESTED!!!!

!!!!!!!!!!!!!!!!!!!!!!I!!!!!!!!!!!!!!!!!!!!!!II!!!!!!!!!!!!

\* Date and location: June 13-23, 2001. Conference Center of St. Oyen, Aosta, Italy.

\* Description: This intensive ten-days course teaches the fluid dynamics of coastal areas and closed basins, stressing the fundamental aspects.

It is intended for graduate students or researchers, either involved in practical field studies, or with a more general background in fluid dynamics. The dynamics of internal and surface waves, gravity currents, upwelling and wind stress effects, interaction with bottom topography will be covered. The mixing effects, the transport of solutes and sediments, with applications to biological activity will be discussed

as well.

\* Lecturers:

S. Allen {Vancouver, Canada}          C. Amos (Southampton, UK) E. Barthelemy {Grenoble, France} P. Davies (Dundee, UK)

G. Holloway {Vancouver, Canada}   L. Maas (Texel, NL) T. Osborn (Baltimore, USA)      P. Roed (Oslo, Norway) C. Staquet (Grenoble, France)      A. Wuest (Switzerland)

\* Directors:

Prof. Joel Sommeria (LEGI/CORIOLIS, Grenoble, France) Prof. Peter Davies {University of Dundee, Dundee, UK}

\* Scientific Secretary:

Luca Montabone (Istituto di Cosmogeofisica - CNR, Torino, Italy)

\* DEADLINE FOR APPLICATIONS: April 15th, 2001

There are no fees for participation to the school, only local expenses. Partial financial support may be available if you write motivations

in the application form and you send two recommendation letters by two referees.

For information and applications please visit the school homepage at <http://www.icg.to.infn.it/grandcombin> or contact the Scientific Secretary:

Luca Montabone

Istituto di Cosmogeofisica- CNR Corso Fiume 4, I-10133, Torino, Italy Phone: +39 0116306808

FAX : +39 0116604056

e-mail: [aosta@icg.to.infn.it](mailto:aosta@icg.to.infn.it)

CONTENTS OF THE COURSE Main Lectures:

Free flow processes:

P. Davies: plumes, gravity currents, interactions with topography. P. Roed: upwelling, wind stress effects.

E. Barthelemy: surface waves. Interaction with boundaries:

G. Holloway: California currents of the Arctic (and other) Mediterranean sea(s).

L. Maas: tides and internal waves in closed basins. S. Allen: bottom topography effects.

Transport, mixing and applications:



C. Staquet: mixing processes in stratified fluids.

T. Osborn: mixing effects and their influence on biological activity. C. Amos: sediment transport.

A. Wuest: lake dynamics.

From: Sent: Subject:

P.Davies and J. Sommeria <aosta@icg.to.infn.it> Wednesday, February 07, 2001 11:44 AM

Grand Combin Summer School: THE FLUID DYNAMICS OF COASTAL SEAS, CLOSED  
BASINS AND LAKES

Grand Combin Summer School on:

"Fundamental Problems in Geophysical and Environmental Fluid Dynamics"

2001 Course Announcement

THE FLUID DYNAMICS OF COASTAL SEAS, CLOSED BASINS AND LAKES

\* Date and location: June 13-23, 2001. Conference Center of St. Oyen, Aosta, Italy.

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as well.

\* Lecturers:

S. Allen (Vancouver, Canada) C. Amos (Southampton, UK) E. Barthelemy (Grenoble, France) P. Davies (Dundee, UK) G. Holloway (Vancouver, Canada) L. Maas (Texel, NL)

T. Osborn (Oregon, USA) P. Roed (Oslo, Norway)

C. Staquet (Grenoble, France) A. Wuest (Switzerland)

\* Directors:

Prof. Joel Sommeria (LEGI/CORIOLIS, Grenoble, France) Prof. Peter Davies (University of Dundee, Dundee, UK)

\* Scientific Secretary:

Luca Montabone (Istituto di Cosmogeofisica - CNR, Torino, Italy)

\* Deadline for applications: April 15th, 2001

For information and applications please visit the school homepage at <http://www.icg.to.infn.it/grandcombin> or contact the Scientific Secretary:

Luca Montabone

Istituto di Cosmogeofisica - CNR Corso Fiume 4, 1-10133, Torino, Italy Phone: +39 0116306808

FAX : +39 0116604056

e-mail: [aosta@icg.to.infn.it](mailto:aosta@icg.to.infn.it)

CONTENTS OF THE COURSE Main Lectures:

Free flow processes:

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E. Barthelemy: surface waves. Interaction with boundaries:

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L. Maas: tides and internal waves in closed basins.

S. Allen: bottom topography effects. Transport, mixing and applications:

C. Staquet: mixing processes in stratified fluids.

T. Osborn: mixing effects and their influence on biological activity. C. Amos: sediment transport.

A. Wuest: lake dynamics.

From: Sent: Cc:

Subject:

Jerry Comcowich <comco@soest.hawaii.edu> Monday, December 18, 2000 8:11 PM  
mehta@eos913.gsfc.nasa.gov

TesVDisregard- NASA-IPRC-CUVAR Workshop on Decadal Climate Variability

TEST/DISREGARD

a&bw/jmc

\*\*\*end\*\*\*

Attachment Converted: C:\Program Files\Eudora\Attach\draft-program.doc

NASA-IPRC-CLIVAR Workshop on Decadal Climate Variability East-West Center, Univ. of Hawaii, Manoa,  
Hawaii, USA

8-12 January 2001

## Draft Program

Monday, 8 January 2000

8:00AM

8:30-9:15 AM

Continental breakfast

Opening remarks

Session 1: Decadal-multidecadal climate variability as seen via paleoclimate data

9:15AM Issues in simulating and estimating the true range of climate variability over the last 500 years

J.T. Overpeck, A.D. Robertson, D. Rind, E. Mosley-Thompson, G.A. Zielinski, J.L. Lean and R. Healy; Uni.v of Arizona, USA

9:35AM Dendroclimatic signals in long tree-ring records from high-elevation forests in the Nepal Himalayas Edward R. Cook and Paul J. Krusic; LDEO, USA

9:55 AM Southeast Asian tree-ring data network: Potential for long-term dendroclimatic reconstruction of monsoon indices

Brendan Buckley, Rosanne D'Arrigo, Nathsuda Pumijumnong and Mike Barbetti; LDEO, USA

10:15 AM-10:45 AM      Coffee break

10:45 AM

inferred from

Tropical decadal variability during the 19th century

Indo-Pacific coral records

Julie Cole; Univ. of Arizona, USA

11:05 AM      Observed North Atlantic multidecadal variability in proxy and instrument data

M.E.Mann and T.L. Delworth; Univ. of Virginia, USA

11:25 AM      A comparison of the variability of a climate model with palaeo- temperature estimates from a network of tree-ring densities.

Mat Collins, Tim Osborn, Simon Tett, Keith Briffa, and Fritz Schweingruber; Univ. of Reading, UK

11:45 PM      Quarter-Millennium Oscillation of global SST during last

600 years

Liping Wang; Univ. of Maryland, USA

12:05 PM-1:30PM      Lunch

\*\*\*\*\*

Session 2:

variability

## Observations of decadal-multidecadal climate

1:30PM Warming of the earth's climate system

Sydney Levitus; NOAA/NODC, USA

2:10PM Tropical-subtropical ocean circulations and decadal climate variability

Vikram Mehta; Univ. of Maryland, USA

2:30PM Decadal Variability and Predictability in River Flows in

SE South America and Teleconnections with the NAO Andrew W. Robertson; UCLA, USA

2:50PM Observations of atmosphere-ocean coupling in the North Atlantic

A. Czaja and J.Marshall; MIT, USA

3:10PM Decadal variations in the tropical South Atlantic and linkages to the Pacific

Kingtse Mo and Sirpa Hakkinen; NCEP, USA

3:30PM-4:00PM Coffee break

4:00PM Interdecadal Trends of OLR and Relative Humidity from NCEP/NCAR Reanalysis

Shi-Keng Yang, M. Kanamistu, Alvin J. Miller, and W. Ebisuzaki; NCEP, USA

4:20PM An Estimation of the Impact of Urbanization on North American Cities

Using NCEP/NCAR Reanalysis and Station Observations Eugenia Kalnay and Ming Cai; Univ. of Maryland, USA

4:40PM-6:30PM Discussion

Topic: Paleo-climate data

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Tuesday,9 January 2001

Session 2: (continued)

Observations of decadal-multidecadal climate variability

8:00AM Continental breakfast

8:30PM Variations in the atmospheric energy budget and surface fluxes

Kevin Trenberth; NCAR, USA

8:50AM Decadal-interdecadal SST variability and regional climate teleconnections

William K. M. Lau and H. Weng; NASA/GSFC,USA

9:10AM Interdecadal Variability of Climate in China \_During the 20th Century

Wang Shaowu;Institute for Atmospheric Physics,China

9:30AM The trends of planetary wave activities during recent 40 years in the Northern Hemisphere winter  
Chen Wen; Institute of Atmospheric Physics, China

9:50AM Influence of the Recent Decadal Weakening of the East Asian  
Winter Monsoon on the North Pacific Climate Hisashi Nakamura; Univ. of Tokyo, Japan

10:10 AM-10:40 AM Coffee break

10:40 AM Structure of decadal climate variability of the wind-driven gyre  
Rui Xin Huang; Woods Hole Oceanographic Institution, USA

11:00 AM Pathways and variability of the shallow tropical-subtropical cell  
in the western Atlantic  
F. Schott, M. Hamann, C. Boning, J. Kroger, M. Latif, K. Lohmann; Univ. of Kiel, Germany

11:20AM

and

Temperature and Transport Variability in the Indonesian Sea

Southeastern Indian Ocean from longterm XBT sampling Susan Wijffels and Gary Meyers; CSIRO Division of  
Marine

Research, Australia

11:40 AM Observations of the time varying shallow tropical/subtropical overturning  
circulation in the Pacific Ocean

M. J. McPhaden and D. Zhang; NOAA/PMEL, USA



12:00 -1:30PM Lunch

1:30PM Midlatitude Wind Forcing and Subduction of Temperature Anomalies

Tomoko Inui; MIT,USA

1:50PM Low-frequency Variability of the Kuroshio Extension System

and its Impact on the Wintertime SST Field in the Mid-latitude North Pacific Bo Qiu; University of Hawaii, USA

2:10 PM Decadal variability of Kuroshio transport and midlatitude North Pacific SST

D. Zhang, W.E. Johns, T.N.Lee, and M.J. McPhaden; University of Washington,USA

Session 3: Interaction between naturaldecadal-multidecadal climate variability and anthropogenic climate change

2:30PM Forcings and chaos in decadal climate change: experiments with the

GISS

512000 model

James Hansen; NASA/GISS, USA

Session 4: Modeling and predictability of decadal-multidecadal climate variability

2:50PM Basin scale SST anomalies generated by NAO-like dipole forcing plus Gulf Stream advection

Martin Visbeck and Gerd Krahnann; Lamont-Doherty Earth Observatory,USA

3:10PM Variability of North Atlantic heat transport and its effects on the atmosphere

R. Sutton and B. Dong; Univ. of Reading, UK

3:30PM PREDICATE- Mechanisms and Predictability of Decadal Fluctuations in Atlantic European Climate

R. Sutton and D. Frame; Univ. of Reading, UK

3:50PM Remote and Local Forcing Mechanisms for Decadal Variability in the Tropical and Subtropical Atlantic Ocean

Jiayan Yang and Terrence M. Joyce; Woods Hole Oceanographic Institution, USA

4:10PM-4:30PM Coffee break

4:30 PM-6:00 PM Discussion

Topic: Observed variability

6:00PM- Reception

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Wednesday, 10 January 2001

8:00AM Continental breakfast

Session 4: (continued)

## Modeling and predictability of decadal multidecadal climate variability

8:30AM Atmospheric Response to Changes in Atlantic Cross-equatorial

SST Gradient: Tropical Feedback and Extratropical Teleconnection Shang-Ping Xie, Y. Okumura, A. Numaguti and Y. Tanimoto; Univ. of Hawaii, USA

8:50 PM The low-frequency variability of the tropical Atlantic Ocean

Sirpa Hakkinen and Kingse Mo; NASA Goddard Space Flight Center, USA

9:10PM Subtropical-tropical oceanic connections in the Atlantic

Alban Lazar; Univ. of Maryland, USA

9:30AM Multidecadal Variability in the South Atlantic

Ilana Wainer, Univ. of Sao Paulo, Brazil

9:50AM Decadal-scale variability in the Indonesian Throughflow

and its impact on the Indo-Pacific climate Roxana Wajsowicz; Univ. of Maryland, USA

10:10 AM-10:40 AM Coffee break

10:40 AM Anatomy of the Latif-Barnett Mode: Structures and Phasing

Arthur Miller, Niklas Schneider, and David Pierce; Scripps Institution of Oceanography, USA

11:00 AM Anatomy of the Latif-Barnett Mode: Feedbacks and

Stochastic Resonance

Niklas Schneider, David Pierce, and Arthur Miller; Scripps Institution of Oceanography, USA

11:20AM Pacific Interdecadal Variability: analysis of observed upper ocean temperature and OGCM simulations

YiChao; Jet Propulsion Laboratory, USA

11:40 AM Multidecadal variability in a linear perturbation ocean model: A coupled upper-/deep-ocean mode

Jeff Drbohlav and Fei-Fei Jin; University of Hawaii, USA

12:00-1:30 PM Lunch

1:30PM Extratropical forcing of the Tropical Pacific: Anomaly propagation within the ventilated thermocline

Scott Harper and George Philander; Princeton Univ., USA

1:50 PM Decadal variations of the strength of the Pacific Subtropical Cells

and their effect on the tropical heat balance Masami Nonaka, Shang-Ping Xie, and Julian P. McCreary, Jr.; Univ. of

Hawaii, USA

2:10PM Decadal oscillation over the North Pacific simulated by a coupled ocean-atmosphere-land system model

Y. Yu, Y. Guo, X. Zhang; Institute of Atmospheric Physics, China

2:30PM Slow Free Modes of the Tropical Ocean Dynamical Adjustment

Fei-Fei Jin; Univ. of Hawaii, USA

2:50PM        An atmospheric connection between the mid-latitudes and tropics  
on decadal time scales- model results and observational consistency Dan Vimont; University of  
Washington,USA

3:10PM        Midlatitude air-sea interaction in an idealized coupled model  
Sergey Kravtsov, Andrew W. Robertson and Michael Ghil; UCLA, USA

3:30AM        Comparisons of Decadal Variations of Measured Radiative Fluxes in the  
Tropics with Recent Climate Model Simulations.  
B. A. Wielicki, T. Wong, R. Allan, T. Slingo, B. Soden, T. Gordon, J. Kiehl, D.  
Randall, S.-K. Yang; NASA/Langley, USA

3:50AM        Decadal Variations in Tropical Water Vapor: An Evaluation of Satellite  
Observations and a Model Simulation  
Brian J. Soden and Steven R. Schroeder; GFDL, USA

4:10 PM-4:40 PM    Coffee break

4:40AM        Decadal Variability in the NSIPP-1AGCM  
Siegfried Schubert and Max Suarez; NASA/Goddard Space Flight Center, USA

5:00PM-6:30PM    Discussion  
Topic: Mechanisms

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Thursday, 11 January 2001

8:00AM Continental breakfast

Session 4:

(continued)

Modeling and predictability of decadal multidecadal climate variability

8:30 AM Tropical Pacific/Atlantic Ocean interactions at multi-decadal timescales

Mojib Latif;MPI,Germany

8:50AM Potential predictability in coupled models

George J. Boer;Canadian Center for Climate Modeling and Analysis, Canada

9:10AM The Relative Roles of Initial and Boundary Conditions in Decadal

Climate

Predictability

Mat Collins and Myles Allen, Univ. of Reading, USA

Session 5: High-latitude ocean-ice-atmosphere processes that lead to decadal-multidecadal climate variability

9:30AM Decadal-scale sea ice variations and their relation to a seasonally varying

index of the North Atlantic Oscillation

John E. Walsh, Brian T. Hill, William L. Chapman, and Diane H.Portis;Univ. of Illinois, USA

9:50AM Decadal variability of Arctic climate based on observations and model results

Andrey Proshutinsky, Naval Postgraduate School, USA

10:10 AM-10:40 AM Coffee break

10:40 AM Variability of deep convection and watermass transformation

in the Labrador Sea: Observations and model comparisons F. Schott, C. Mertens, J. Fischer, C. Boning, J. Dengg and C.

Eden; Univ. of Kiel, Germany

11:00 AM Simulated North Atlantic multidecadal variability

T.L. Delworth and M.E. Mann; GFDL, USA

11:20 PM Atlantic

Arctic freshwater export and its possible role in North

decadal climate variability

Andrew J. Weaver and Marika M. Holland; Univ. of Victoria, Canada

11:40 PM A Thermally Driven THC Oscillation In A Coupled GCM Wei Cheng, Rainer Bleck, Claes Roath, Univ. of Miami, USA

12:00 PM Decadal variability in high northern latitudes as simulated by

an intermediate-complexity climate model Frank Selten; KNMI, The Netherlands

12:20 PM-1:30 PM Lunch

1:30PM Stratospheric-Tropospheric Interactions: Their Role in the Arctic Oscillation

Brent A. McDaniel; Georgia Institute of Technology, USA

1:50PM Tri-Decadal Variations in the NE Pacific Sub- polar Gyre and Related Climate Indices

Gary S.E. Lagerloef; Earth and Space Research, USA

2:10PM Low-frequency Variability of the Kuroshio Extension System

and its Impact on the Wintertime SST Field in the Mid-latitude North Pacific Bo Qiu; University of Hawaii, USA

Session 6: Interaction between natural decadal-multidecadal and interannual climate variabilities

2:30PM PDO Modification of U.S. ENSO Climate Impacts

James J. O'Brien and Mark C. Bove; Florida State University, USA

2:50PM Influence of North Pacific Oscillation SST patterns on ENSO/North America Teleconnections

David W. Pierce, Tim P. Barnett, and Niklas Schneider; Scripps Institution of Oceanography, USA

3:10PM Decadal Variations in the atmospheric response to ENSO Arun Kumar; NCEP, USA

3:30PM Interdecadal modulation of ENSO's impact on Australia in observations

and a coupled general circulation model and its implications for seasonal forecasting of wheat yields Scott Power, Rob

Colman, Holger Meinke; BMRC, Australia



3:50PM Tropical Pacific SST decadal variability and interannual teleconnections  
with Australian rainfall

Gerald A. Meehl and Julie M. Arblaster; NCAR, USA

4:10 PM-4:00 PM Coffee break

4:20PM Possible Roles of Atlantic Oscillations on the Weakening Indian  
Monsoon -  
ENSO Relationship

C.-P. Chang, P. A. Harr and J. Ju; Naval Postgraduate School, USA

4:40PM ENSO and the Asian-Australian monsoon in a new version of the MRI coupled GCM  
Akio Kitoh, Seiji Yukimoto and Yoshiteru Kitamura; MRI, Japan

5:00PM The Relationship between Westerly Wind Bursts and ENSO and its Decadal  
Variability  
Usan Yu; Woods Hole Oceanographic Institution, USA

5:20PM-6:30PM Discussion

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Friday, 12 January 2001

8:00AM Session 6: (continued)

8:30AM Pacific?

Continental breakfast

Interaction between natural decadal-multidecadal and interannual climate variabilities

Is Decadal Variability in the Pacific generated in the Equatorial

Mark A. Cane and Alicia Karspeck; Lamont-Doherty Earth Observatory, USA

8:50AM A Delayed Action Oscillation Mechanism Shared by Biennial,

Interannual, and Decadal Signals in the Pacific Basin Warren B. White, Yves M. Tourre, Balaji Hajagopalan, Yochanan

Kushnir, Mathew Barlow; Scripps Institution of Oceanography, USA

9:10AM Evidence of decadal trends observed in the Pacific and the Indian  
Oceans

and Atmospheres and their role in the ENSO events predicted with a coupled ocean-atmosphere model over 1980-2000

Claire Perigaud, Pierre Florenchie and JP Boulanger; Jet propulsion Laboratory, USA

9:30AM Decadal Amplitude Modulations of ENSO: Physical Mechanism and  
Predictability

A. Timmermann; IPRC Hawaii, USA

9:50AM

ENSO Modulation: 1960-1980 versus 1980-2000

Liping Wang; University of Maryland, USA

10:10 AM

events

Q. Zhang

Decadal variability and anomalous development of 1990s ENSO

10:30 PM-11:00 AM Coffee break

Session 7: Observing and data assimilation systems for decadal- multidecadal climate variability

11:00 AM A Plan for Measuring Climatic Scale Global Precipitation

Variability: The

Global Precipitation Mission

Eric A. Smith; Florida State University, USA

11:20AM Ocean observing system requirements for decadal climate variability

C. Koblinsky; NASA/Goddard Space Flight center, USA

11:40 AM Prospects for observing long-term variability with sea surface heights

Gary T. Mitchum; Univ. of South Florida, USA

12:00 Detecting decadal variability using data assimilation

James A. Carton; Univ.of Maryland, USA

12:20 PM-1:30PM Lunch

1:30PM-5:00PM Discussion

5:00PM End of Workshop

1

1

Attachment Converted: C:\Program Files\Eudora\Attach\draft-program.win95.doc

From: Sent: To:

Subject:

Hans.von.Storch@gkss.de on behalf of Hans von Storch <Hans.von.Storch@gkss.de> Monday, November 06, 2000 4:39 PM

Michael E. Mann

Re:charlotteville

Thanks ,Mike, and Good Night! Hans

"Michael E. Mann" wrote:

>Dear all,

>

> I see no problem in terms of numbers. As long as the individuals can

>support expenses through a combination of internal and govt. support,

> I think this is fine...

>

>In the case of the U.S., we will probably be supporting about 12-15

> individuals w/ a budget of \$8,000 (after taking out expenses for

>facilities, and administrative assistant}...

>

>mike

>

>At 10:29 PM 11/6/00 +0100,Hans von Storch wrote:

>>Hi folk s (hi folk, for at bruge et skandinavisk sprog),I have a

>>problem with the number of German participants (own funding) ... we

>>have 12, but we aimed at 10. The reason is that we have so many

>>partnerns in our KIHZ project. Do you think that's a problem? Names are given on the attached

>>webpage. hans <http://w3g.gkss.de/staff/storch/charlotteville.money.htm>

>>--

>>-----

>> Hans von Storch  
>> Institute of Hydrophysics;GKSS Research Center  
>> Max-Planck-Strasse; 21502 Geesthacht;Germany  
>> Phone:+49 (4152) 87-1831; fax: +49 (4152) 87-2832  
>> home fax: +49 4153 582 522 ph + 49 4153 543 36  
>> <http://w3g.gkss.de/staff/storch> Content-type:  
>>text/html; name=charlotteville.money.htm; charset=us-ascii  
>>Content-disposition: inline;filename=charlotteville.money.htm  
>>Content-transfer-encoding: 7BIT Content-Base:  
>>"<http://w3g.gkss.de/staff/storch/charlotteville.money.htm>"  
>>Content-Location:"<http://w3g.gkss.de/staff/storch/charlotteville.money.htm>" Workshop: "Reconstructing Late Holocene Climate"  
>>in Charlottesville,Va.17-20 April2001 Covenors: Mike Mann (U of  
>>Virginia), Hans von Storch (GKSS Research Centre,Germany), Nanne  
>>Weber (KNMI,Netherlands), Heinz Wanner (U of Bern,Switzerland) and  
>>&Oslash;yvind Nordli (Norway) others). We expect costs for  
>> and on-site and preparationalorganisational work:\$ 2500  
  
>>-travel costs for invitees:\$2500 for UK and others, \$1000 for UK.  
>>Thus,we would need funding of 32,500\$.The following amounts have  
>>been tentatively agreed to: 10,000 \$ from US agencies  
>>10,000 \$from German agencies (confirmed by Storch)  
>> 5,000 \$ from Dutch agencies (confirmed by Weber)  
>> 5,000\$ from Swiss agencies (confirmed by Wanner)  
>> 2,000 \$ from Norwegian agencies (confirmed by Nordli) Additionally,  
>>we could charge a moderate fee from the participants for covering unexpected  
>>costs. this webpage  
>>  
>>Suggested participants form participating partners:  
>> US: M. Mann, R. Bradley, Hughes,J. Overpeck,T. Crowley,£. Cook, R.

>>Webb,M.Cane, M. Evans, D.Battisti,K. Hughen,J. Lean,J. Cole,H.

>>Diaz, B. Reichert (15) D: H. von Stoch. F. Gonzalez,J . Jones, M. Widmann, J .

>>Negendank,A. Schwalb,Brathauer, H. Miller, M.Schwager,U.Cubasch, A.

>>Lücke,D. Handorf (12) NL: N. Weber,G.vander Schrier,H. Renssen, B.

>>van Geel,R . vanderWal (5, max 5) CH: H. Wanner,C. Pfister,T.

>>Stocker, J. Luterbacher (4) N: Øvind Nordli, Eiliv Larsen and

>>Hans Petter Sejrup, (3)

>>

>>

>>The Europeans select 9 invitees from this list R. Glaser

>>(Würzburg), M.Claussen (D), Barriendos (Barcelona,ES), Brazil

>>(Brno,CZ), P. Jones, K. Briffa,T. Osborn (UK),J.Guiot (F),J.

>>Beer(?),K.R. Laird,D. Verschuren or F. Gasse (N.African lakes),

>>J.Pätzold or T.Felis (Bremen). (Sofar 14)

>>

>>Other participants (no costs)

>>Mark Eakin (NOAA),Steve Coleman (NSF)

>>

>>

>>

>>

>

> Professor Michael E. Mann

> Department of Environmental Sciences,Clark Hall

> University of Virginia

> Charlottesville, VA 22903

>

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> <http://www.evsc.virginia.edu/faculty/people/mann.html>

Hans von Storch

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<http://w3g.gkss.de/staff/storch>

From: Sent: To:

Subject:

Hans.von.Storch@gkss.de on behalf of Hans von Storch <Hans.von.Storch@gkss.de> Monday, November 06, 2000 4:30 PM

Heinz Wanner; Oyvind Nordli; Michael E. Mann; weber@knmi.nl; jones@gkss.de

charlotteville

Hifolks (hi folk, for at bruge et skandinavisk sprag), I have a problem with the number of German participants (own funding) ... we have 12, but we aimed at 10. The reason is that we have so many partners in our KIHZ project. Do you think that's a problem? Names are given on the attached webpage.

hans

<http://w3g.gkss.de/staff/storch/charlotteville.money.htm>



Hans von Storch

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Phone:+49(4152)87-1831;fax:+49(4152)87-2832 home fax: +49 4153 582 522 ph + 49 4153 543 36

<http://w3g.gkss.de/staff/storch>

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Content-transfer-encoding:7BIT

Content-Base: "http://w3g.gkss.de/staff/storch/charlotteville.money.htm" Content-Location: "http://w3g.gkss.de/staff/storch/charlotteville.money.htm"

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<meta name="GENERATOR" content="Mozilla/4.73 [en] (XII; U;SunOS 5.5.1sun4m) [Netscape]"> </head>

<body text="#000000" bgcolor="#FFFFFF" link="#0000FF" vlink="#FF0000" alink="#000088">

<font size=+2>Workshop: "Reconstructing Late Holocene Climate"</font> <p>in Charlottesville, Va.

<p>17-20 April 2001

<p><u>Covenors:</u> Mike Mann (U of Virginia), Hans von Storch (GKSS Research Centre,Germany), Nanne Weber

(KNMI, Netherlands), Heinz Wanner (U of Bern, Switzerland) and &Oslash;yvind Nordli (Norway)

<p>We expect about 50 participants, about 35 would come from various interested partners (for instance: 10 US,10

German, 5 Dutch, 5 Swiss and 3 Norwegian

+ 2 others). These participants would cover their own travel costs.

+Another

15 participants would be invited (for instance 5 US, 5 UK, 5 others).

<p>We expect costs for

<br>- local arrangement and on-site and preparational organisational

work: \$ 2500

<br>- travel costs for invitees: \$2500 for UK and others, \$1000 for UK.

<p>Thus, we would need funding of 32, 500\$.

<p>The following amounts have been tentatively agreed to:

<p>10,000 \$ from US agencies

<br>10,000 \$ from German agencies (confirmed by Storch) <br> 5,000 \$ from Dutch agencies (confirmed by Weber) <br> 5,000 \$ from Swiss agencies (confirmed by Wanner) <br> 2,000 \$ from Norwegian agencies (confirmed by Nordli) <p>Additionally, we could charge a moderate fee from the participants for covering unexpected costs.

<p>Purpose and scope of the workshop are described in <br>

<http://w3g.gkss.de/staff/storch/charlotteville.0401.htm> this webpage </a>

<br>

<br>

<u>Suggested participants from participating partners:</u> <br>

<p>US: M. Mann, R. Bradley, Hughes, J. Overpeck, T. Crowley, E. Cook, R. Webb, M. Cane, M. Evans, D. Battisti, K. Hughen, J. Lean, J. Cole, H. Diaz, B. Reichert (15)

<p>D: H. von Stach, F. Gonzalez, J. Jones, M. Widmann, J. Negendank, A. Schwalb, Brathauer, H. Milller, M. Schwager, U. Cubasch, A. L&uuml;cke, D. Handorf (12)

<p>NL: N. Weber, G. vander Schrier, H. Renssen, B. van Geel, R. vanderWal (5, max 5)

<p>CH: H. Wanner, C. Pfister, T. Stocker, J. Luterbacher (4)

<p>N: &Oslash;vind Nordli, Eiliv Larsen and Hans Petter Sejrup, (3)

<br><br><br><u>The Europeans select 9 invitees from this list</u>

<br>R. Glaser (W&uuml;rzburg), M. Claussen (D), Barriendos (Barcelona,ES),Brazdil (Brno, CZ), P. Jones, K. Briffa,T. Osborn (UK), J. Guiot (F),J. Beer(?), K.R.Laird,D. Verschuren or F. Gasse (N.African lakes),J.P&uuml;zold or T. Felis (Bremen). (Safar 14)

<br><br><u>Other participants</u> (no costs) <br>Mark Eakin (NOAA),Steve Coleman (NSF)

<br>&nbsp;

<br>&nbsp;

<br>&nbsp;

<br>&nbsp;

</body>

</html>

From: Sent: To:

Subject:

Nanne Weber <weber@knmi.nl> Wednesday, November 01, 2000 4:48 AM  
storch@gkss.de;mann@multiproxy.evsc.virginia.edu; wanner@giub.unibe.ch; Oyvind.Nordli@dnmi.no;  
jones@gkss.de;weber@knmi.nl

European list

I agree with Hans suggestions to reduce the list of the European invitees. That is

-leave out Glaser (I don't know him/her)

- invite P. Jones and K. Briffa from CRU, not T. Osborn as he seems unable to come anyway

-invite K.R. Laird (she is from Canada, by the way)

and F. Fasse (France), but not D. Verschuren

- invite J. Patzold (Bremen), not T. Felis

-not invite J. Beer, as his expertise is already well covered by J. Lean

This leaves us with 9 people.

My criterion for inviting people has been to have some people with a background in modelling and/or climatology and/or data analysis and to have representatives from different data groups (documentary, corals, trees, etc.). I think that we should not aim at complete coverage of any type of data, as that would imply having at least three times as many people as we have now.

It is a good idea to start to invite people, at least informally, as soon as we have semi-finalised our list.

Nanne

+++++!-+++++

Dr. S. L. Weber

Royal Netherlands Meteorological Institute (KNMI) P.O.Box 201, 3730 AE De Bilt

The Netherlands

phone+31302206756 e-mail weber@knmi.nl

fax +3130 2202570 <http://www.knmi.nl/> weber

+++++

From: Sent: To:

Subject:

Hans.von.Storch@gkss.de on behalf of Hans von Storch <Hans.von.Storch@gkss.de> Tuesday, October 31, 2000 4:09 PM

Michael E. Mann; weber@knmi.nl;Oyvind Nordli; Heinz Wanner;jones@gkss.de

Re: charlotteville

Hi folks,

I think Mike's suggestion is a pragmatic and good one. I think we have heard suggestions of whom to invite from North

America,and Iam confident that Mike will deal fairly with the suggestions.

That leaves for us Europeans to fill our "delegations" (myself, Heinz and Oyvind have still slots open),and to agree on a list of 9 invitees. The actual list of names is on <http://w3g.gkss.de/staff/storch/charlotteville.money.htm>

I suggest that we skip Glaser and of the three CRU guys, one of the two N African lake guys and one of the two coral people. Then we would be left with a list of 10, which we would have to reduce by one name. When some of our dream invitees will turn out unavailable, we can come back to the names we have temporarily skipped from our list.

Well, I think we are close to an agreement. Hans

"Michael E. Mann" wrote:

> Hi Hans,

>

> Thanks too for your quick reply. Its a beautiful fall day here in

> Charlottesville . First major cold front of the season making its way

> through the area ...

>

> Yes, this sounds fine to me. I agree that we probably need to start

> contacting people now. Why don't we "informally" notify prospective

> participants over the next few weeks (I'll notify the 16 or so U.S.

> people, and leave it to you, Nanne, Heinz and others to notify the

> Europeans). Then, sometime in the next couple months, we can send out

> the formal invitations, indicating expected level of support, etc.

> Does this sound like a good plan to pursue?

>

> I'll be using Brenda Morris (my J. Climate editorial assistant) as the

>administrative assistant (she's happily agreed to take on this job).

>The advantage is that I can start asking her to do stuff for the

>workshop on good faith, with an understanding that the financial support will come in later.

>

> Please let me know how the above sounds. Thanks,

>

> mike

>

>At 07:54 PM 10/29/00 +0100, Hans von Storch wrote:

>>Hi Mike, thanks for this speedy response. Why don't we come to a

>>simply

>practical

>>solution, namely that you now pick 16 North American participants,

> >while we

>others

>>decide on the remaining 32. If you later find out that somebody

>>can't come

>and you

> >want to replace him or her: no problem. If somebody from here finds

>>that

>some other

>>US or Canadians should be invited, then they should say so.

>>

>>Be assured that we will be flexible in the whole process. But we need

>>to

>approach

>>the European participants asap - early booking helps to limit the budget.

>>

>>I think we can organize this relatively easily so that there will be

>>rather

>limited

> >pressure on you and your time.

>>

>>Regards

>>

>>Hans

>>

>>

>>

>>"MichaelE.Mann" wrote:

>>

>>> Hi Hans,

> >>

> » Yes, unfortunately, as I warned, I am \*extremely\* busy this

> »semester, and thus it is impossible for us to make too much

>»progress w/out some administrative support,etc. I cannot perform

>»the organizational tasks for this workshop without considerable

> »help.This is why I am seeking to secure the NSF support soon,so we can hire an administrative assistant.

> >>

>»With regard to your specific comments about participatns, etc.,

>»apparently we may have a misunderstanding here,particularly with

>»regard to the distinction between "participants" and "invitees". I

> »have been following what I believe is the standard procedure for

>»previous PAGES/CLIVAR meetings,which is what I see this as being.

> >>

> »In these cases,a list of participants has been agreed upon

> »beforehand by the planners, and there is in fact no distinction

>»between "participants" and "invitees" in general that I am familiar

>»with in past meetings,though certain participants often have more



>>prominent speaking roles. The group of participants are invited,  
> »and the available funding distributed among the subset (hopefully  
> »large) that respond positively to that invitation (in the case of  
>>the 16 or so U.S.participants I have listed,most have informally  
> »indicated to me that they can come.Incidentally,some of the  
> »Europeans on the list, e.g. Tim Osborn,have informally indicated to me that they probably cannot make it.  
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>>I have assumed from the start that we would have 40-50 total  
>>participants,with the breakdown among countries (or "partners" as  
> »you term it) discussed earlier, and would use the available funding  
> »to support as uniformly as possible among all participants. For  
> »administrative reasons,it appears that it will probably be easiest  
> »to use the funding internally within the participating countries,  
>>which works out just about right. This gives us about 8K(IOK  
>>provided by NSF-2K for adminstrative support and facilities costs) for about 16 U.S.  
> >> participants, or an average o f \$500 per participant, which should  
> »be appropriate.

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>>I'm assuming that the other support available from the  
> »participating European partners can then be used to defray costs  
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> » facilities support for the Charlottesville meeting). I would  
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> »Hopefully this clarifies things. Please let me know if there is  
>>still a communication gap with respect to the above.  
> >>

>>Thanks,

> >>

>>> mike

> >>

>>>At 05:14PM 10/29/00 +0100, Hans von Storch wrote:

>>>>Dea r Mike,

> >> >

>>>the speed of progress with planning our meeting is a bit bumpy.It

> >>seems that the money problems are solved, but we have some

>>>misunderstandings concerning participants.

>>>SO far we said that we have two groups, namely participants from

>>>the various partners,and invitees. The partner would essentially

> >>pay for their participants, whereas the funds would be used for

>>>the travel costs of the invitees plus general organisation costs.

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> >>a list of "your" participants, so that we all together can agree

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> >>Attached please find the latest planning.

> >> >

>>>Regards

> >> >

>>>>Hans

> >> >

> >> >

> >>>

>>><http://w3g.gkss.de/staff/storch/charlotteville.money.htm>

>

Hans von Storch

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Phone:+49(4152)87-1831;fax:+49(4152)87-2832 home fax:+49 4153 582 522 ph+ 49 4153 543 36

<http://w3g.gkss.de/staff/storch>

From: Sent: To:

Cc:

Subject:

Michael E. Mann <[mann@virginia.edu](mailto:mann@virginia.edu)> Sunday, October 29, 2000 5:23 PM Hans.von.Storch@[gkss.de](mailto:gkss.de)

Michael E. Mann

Re: charlotteville

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leave it to you, Nanne, Heinz and others to notify the Europeans). Then, sometime in the next couple months, we can send out the formal invitations, indicating expected level of support, etc. Does this sound like a good plan to pursue?

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>>><http://w3g.gkss.de/staff/storch/charlotteville.money.htm>

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>> >

Hans von Storch

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Phone:+49(4152)87-1831; fax:+49(4152)87-2832 home fax:+49 4153 582 522 ph+ 49 4153 543 36

»>http://w3g.gkss.de/staff/storch

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»>5.5.1

»sun4m) [Netscape]">

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»><body text="#000000" bgcolor="#FFFFFF" link="#0000FF" vlink="#FF0000"

»alink="#000088">

»><font size=+2>Workshop: "Reconstructing Late Holocene

»>Climate"</font> <p>in Charlottesville, Va.



»»<p>17-20 April 2001

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>> href="http://w3g.gkss.de/staff/storch/charlotteville.0401.htm">this

»»webpage</a>

»><br>&nbsp;

>> ><br>

»><u>Suggested participants form participating partners:</u> <br>

>>>

»><p>US:R. Bradley,Hughes,J. Overpeck, T. Crowley, E. Cook,R. Webb, M.

»Cane,M.Evans, D. Battisti, K. Huguen.D. Rind, J. Lean,J. Cole, E.

»Sarachik,C. Woodhouse,T. Delworth, H.Diaz,(max 10)

»><p>D: H. von Stach.F. Gonzalez/ J. Jones, M. Widmann,J.Negendank, H.

»Mittler,M. Schwager {7, max 10)

>>>

»><p>NL:N. Weber/ G.vander Schrier, H.Renssen, B. van Geel, R.

»>vanderWal

»(5, /max 5)

>>>

»><p>CH: H. Wanner/ C.Pfister,T. Stocker,J. Luterbacher (4, max 5)

>> >

»><p>N: &Oslash;vind Nordli (1; max 3)

>> >

>> >

>>>

»><br><br><br><u>Suggested invitees</u>

>> >

»><br>R. Glaser (W&uuml;rzburg), M. Claussen (D), Barriendos

»>(Barcelona, ES)1

»Brazdil (Brno,CZ), P. Jones/ K. Briffa,T. Osborn (UK),J. Guiot (F), T.

»Delworth (US),J. Beer(?) M.Barriendos (?), K.R. Laird, D. Verschuren or F.

»Gasse (N.African lakes),Bernhard Reichert,J.Patzold or T. Felis (Bremen) .

>> >

» >(10)

>> >

>>>

»><br><br><u>Other participants</u> (no costs) <br>Mark Eakin (NOAA),

»>Steve Coleman (NSF)

>> >

» ><br>&nbsp;

>> ><br>&nbsp;

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»></body>

»></html>

>> >

>>

» Professor Michael E. Mann

» Department of Environmental Sciences, Clark Hall

» University of Virginia

» Charlottesville, VA 22903

>>

»e-mail:mann@virginia.edu Phone:(804) 924-7770 FAX:(804) 982-2137

» <http://www.evsc.virginia.edu/faculty/people/mann.html>

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>

>von

Storch

>

> Research

Center

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Hans

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> Geesthacht; Germany

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University of Virginia

Charlottesville, VA 22903

e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137

<http://www.evsc.virginia.edu/faculty/Ipeople/mann.html>

From: Sent: To:

Subject:

Hans.von.Storch@gkss.de on behalf of Hans von Storch <Hans.von.Storch@gkss.de> Sunday, October 29, 2000 1:54 PM

Michael E. Mann

Re: charlotteville

Hi Mike, thanks for this speedy response. Why don't we come to a simply practical solution, namely that you now pick

16 North American participants, while we others decide on the remaining 32. If you later find out that somebody can't come and you want to replace him or her: no problem. If somebody from here finds that some other US or Canadians should be invited, then they should say so.

Be assured that we will be flexible in the whole process. But we need to approach the European participants asap - early booking helps to limit the budget.

I think we can organize this relatively easily so that there will be rather limited pressure on you and your time. Regards

Hans

"Michael E. Mann" wrote:

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> Yes, unfortunately, as I warned, I am \*extremely\* busy this semester,  
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>><http://w3g.gkss.de/staff/storch/charlotteville.money.htm>

>>-

>>-----

>> Hans von Storch

>> Institute of Hydrophysics; GKSS Research Center

>> Max-Planck-Strasse; 21502 Geesthacht; Germany

>> Phone: +49(4152)87-1831; fax: +49(4152)87-2832

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From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Sunday, October 29, 2000 1:42 PM Hans.von.Storch@gkss.de

Michael E. Mann

Re: charlotteville

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><br>R. Glaser (W&uuml;rzburg), M.Claussen (D), Barriendos (Barcelona,

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Brazdil (Brno,CZ), P.Jones, K. Briffa, T. Osborn (UK),J. Guiot (F),T. Delworth (US),J. Beer(?) M. Barriendos  
(?),K.R. Laird, D. Verschuren or F. Gasse (N.African lakes), Bernhard Reichert,J.Patzold or T.Felis (Bremen).

>

>(10)

>

>

><br><br><u>Other participants</u> (no costs) <br>Mark Eakin (NOAA),

>Steve Coleman (NSF)

>

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From: Sent: To: Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Sunday, October 29, 2000 12:23 PM Hans.von.Storch@gkss.de

Michael E. Mann

Re: charlotteville

Hi Hans,

Thanks too for your quick reply. Its a beautiful fall day here in Charlottesville . First major cold front of the season making its way through the area...

Yes, this sounds fine to me. I agree that we probably need to start contacting people now. Why don't we "informally" notify prospective participants over the next few weeks (I'll notify the 16 or so U.S. people, and leave it to you, Nanne, Heinz and others to notify the Europeans). Then, sometime in the next couple months, we can send out the formal invitations, indicating expected level of support, etc. Does this sound like a good plan to pursue?

I'll be using Brenda Morris (my J. Climate editorial assistant) as the administrative assistant (she's happily agreed to take on this job). The advantage is that I can start asking her to do stuff for the workshop on good faith, with an understanding that the financial support will come in later.

Please let me know how the above sounds. Thanks, mike

At 07:54 PM 10/29/00 +0100, Hans von Storch wrote:

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>> >

»»<br>R. Glaser (W&uuml;rzburg), M. Claussen (D),Barriendos  
»»(Barcelona,ES),  
»Brazdil (Brno,CZ), P.Jones,K. Briffa,T.Osborn (UK),J. Guiot (F), T.  
»Delworth (US),J. Beer(?) M.Barriendos (?), K.R. Laird, D. Verschuren or F.  
»Gasse (N.African lakes), Bernhard Reichert,J.Patzold or T. Felis (Bremen) .

>> >

»»(10)

>>>

>>>

»»<br><br><u>Other participants</u> (no costs) <br>Mark Eakin (NOAA },  
»»Steve Coleman (NSF)

>>>

»»<br>&nbsp;

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»»</body>

»»</html>

>> >

>>

>> Professor Michael E. Mann  
» Department of Environmental Sciences,Clark Hall  
» University of Virginia  
» Charlottesville, VA 22903

>>

»e-mail:mann@virginia.edu Phone: (804) 924-7770 FAX:(804) 982-2137

» <http://www.evsc.virginia.edu/faculty/people/mann.html>

>

>--

> -----

> Hans von Storch  
> Institute of Hydrophysics;GKSS Research Center  
> Max-Planck-Strasse; 21502 Geesthacht; Germany  
> Phone:+49(4152)87-1831;fax:+49(4152)87-2832  
> home fax: +49 4153 582 522 ph+ 49 4153 543 36

>

>ht tp://w3g.gkss.de/staff/storch

>

>

>

>

>

From: Sent: To:

Subject:

Hans.von.Storch@gkss.de on behalf of Hans von Storch <Hans.von.Storch@gkss.de> Sunday, October 29, 2000 11:14 AM

Michael E. Mann

charlotteville

Dear Mike,

the speed of progress with planning our meeting is a bit bumpy. It seems that the money problems are solved, but we have some misunderstandings concerning participants.

SO far we said that we have two groups, namely participants from the various partners, and invitees. The partner would essentially pay for their participants, whereas the funds would be used for the travel costs of the invitees plus general organisation costs.

That means, the partners have to list "their" participants. Nanne and Heinz the two groups. Do you think that you could come up with a list of "your" participants, so that we all together can agree on the list of invitees. As long as we do not know who of the North Americans is coming (or is assumed to come) in any case, we can not really discuss the invitee list.

Attached please find the latest planning. Regards

Hans

<http://w3g.gkss.de/staff/storch/charlotteville.money.htm>

Hans von Storch

Institute of Hydrophysics; GKSS Research Center

Max-Planck-Strasse; 21502 Geesthacht; Germany

Phone: +49(4152)87-1831; fax: +49(4152)87-2832 home fax: +49 4153 582 522 ph + 49 4153 543 36

<http://w3g.gkss.de/staff/storch>

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<font size=+2>Workshop: "Reconstructing Late Holocene Climate"</font> <p>in Charlottesville, Va.

<p>17-20 April 2001

<p><u>Covenors:</u> Mike Mann (U of Virginia), Hans von Storch (GKSS Research Centre, Germany),  
Nanne Weber

{ KNMI, Netherlands), Heinz Wanner (U of Bern, Switzerland) and &Oslash;yvind Nordli (Norway)

<p>We expect about 50 participants, about 35 would come from various interested partners (for instance: 10  
US, 10

German, 5 Dutch, 5 Swiss and 3 Norwegian

+ 2 others). These participants would cover their own travel costs.

+ Another

15 participants would be invited (for instance 5 US, 5 UK, 5 &nbsp; others).

<p>We expect costs for

<br>- local arrangement &nbsp; and on-site and preparational organisational work: \$ 2500

<br>- travel costs for invitees: \$2500 for UK and others, \$1000 for UK.

<p>Thus, we would need funding of 32,500\$.

<p>The following amounts have been tentatively agreed to:

<p>10,000 \$ from US agencies

<br>10,000 \$ from German agencies (confirmed by Storch) <br>&nbsp;5,000\$ from Dutch agencies  
(confirmed by Weber) <br>&nbsp;5,000\$ from Swiss agencies (confirmed by Wanner) <br>&nbsp;2,000  
\$ from Norwegian agencies (confirmed by Nordli) <p>Additionally, we could charge a moderate fee from the  
participants for covering unexpected costs.

<p>Purpose and scope of the workshop are described in &nbsp;<a href="http://w3g.gk  
ss.de/staff/storch/charlotteville.0401.htm">this webpage</a>

<br>&nbsp;

<br>

<u>Suggested participants form participating partners:</u> <br>

<p>US: R. Bradley, Hughes, J . Overpeck,T. Crowley, E. Cook, R . Webb, M. Cane, M. Evans, D. Battisti, K. Hughen. D. Rind,

J. Lean,J. Cole, E. Sarachik,C. Woodhouse,T. Delworth, H.Diaz, (max 10)

<p>D: H. von Stach. F. Gonzalez, J. Jones, M. Widmann,J. Negendank, H. Milller, M. Schwager (7, max 10)

<p>NL: N. Weber,G.vander Schrier, H. Renssen,B. van Geel, R. vanderWal (5, ,max 5)

<p>CH: H. Wanner, C. Pfister, T. Stocker,J . Luterbacher (4,max 5)

<p>N: &Oslash;vind Nordli (1; max 3}

<br><br><br><u>Suggested invitees</u>

<br>R. Gla ser (W&uuml;rzburg), M. Claussen (D), Barriendos (Barcelona,ES), Brazdil (Brno,CZ), P. Jones, K. Briffa,T. Osborn {UK},J. Guiot (F), T. Delworth (US),J. Beer(?) M. Barriendos (?),K.R. Laird, D.Verschuren or F.Gasse (N.African lakes), Bernhard Reichert,J.Patzold or T. Felis (Bremen) .

(10)

<br><br><u>Other participants</u> (no costs) <br>Mark Eakin (NOAA),Steve Coleman (NSF)

<br>&nbsp;

<br>&nbsp;

<br>&nbsp;

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</body>

</html>

From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Sunday, October 29, 2000 8:42 AM Hans.von.Storch@gkss.de

Michael E. Mann

Re: charlotteville

Hi Hans,

Yes, unfortunately, as I warned, I am *\*extremely\** busy this semester, and thus it is impossible for us to make too much progress w/out some administrative support, etc. I cannot perform the organizational tasks for this workshop without considerable help. This is why I am seeking to secure the NSF support soon, so we can hire an administrative assistant.

With regard to your specific comments about participants, etc., apparently we may have a misunderstanding here, particularly with regard to the distinction between "participants" and "invitees". I have been following what I believe is the standard procedure for previous PAGES/CLIVAR meetings, which is what I see this as being.

In these cases, a list of participants has been agreed upon beforehand by the planners, and there is in fact no distinction between "participants" and "invitees" in general that ram familiar with in past meetings, though certain participants often have more prominent speaking roles. The group of participants are invited, and the available funding distributed among the subset {hopefully large} that respond positively to that invitation (in the case of the 16 or so U.S. participants r have listed, most have informally indicated to me that they can come. Incidentally, some of the Europeans on the list, e.g. Tim Osborn,have informally indicated to me that they probably cannot make it.

I have assumed from the start that we would have 40-50 total participants, with the breakdown among countries {or "partners" as you term it) discussed earlier, and would use the available funding to support as uniformly as possible among all participants. For administrative reasons, it appears that it will probably be easiest to use the funding internally within the participating countries, which works out just about right. This gives us about 8K {10K provided by NSF-2K for administrative support and facilities costs) for about 16 U.S. participants, or an average of \$500 per participant, which should be appropriate.

I'm assuming that the other support available from the participating European partners can then be used to defray costs for European participants, with hopefully a modest additional contribution from the European partners towards administrative and facilities support for the Charlottesville meeting). I would happily leave it up to each of the partners to decide how this is best accomplished.

Hopefully this clarifies things. Please let me know if there is still a communication gap with respect to the above. Thanks,

mike

At 05:14 PM 10/29/00 +0100, Hans von Storch wrote:

>Dear Mike,

>

>the speed of progress with planning our meeting is a bit bumpy. It

>seems that the money problems are solved, but we have some

>misunderstandings concerning participants.

>SO far we said that we have two groups, namely participants from the

>various partners, and invitees. The partner would essentially pay for

>their participants, whereas the funds would be used for the travel



>costs of the invitees plus general organisation costs.

>

>That means,the partners have to list "their" participants. Nanne and

>Heinz the two groups. Do you think that you could come up with a list

>of "your" participants, so that we all together can agree on the list

>on invitees. As long as we do not know who of the North Americans is

>coming (or is assumed to come) in any case, we can not really discuss

>the invitee list.

>

>Attached please find the latest planning.

>

>Regards

>

>Hans

>

>

>

><http://w3g.gkss.de/staff/storch/charlotteville.money.htm>

>..

>-----

> Hans von Storch

> Institute of Hydrophysics;GKSS Research Center

> Max-Planck-Strasse; 21502 Geesthacht; Germany

> Phone:+49 (4152) 87-1831; fax: +49 (4152) 87-2832

> home fax:+49 4153 582 522 ph + 49 4153 543 36

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><http://w3g.gkss.de/staff/storch>

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> bgcolor="#FFFFFF" link="#0000FF" vlink="#FF0000" alink="#000088"> <font  
> size=+2> Workshop: "Reconstructing Late Holocene Climate" </font> <p> in  
> Charlottesville, Va.  
><p> 17-20 April 2001  
>  
><p><u>Covenors:</u> Mike Mann (U of Virginia), Hans von Storch (GKSS  
> Research Centre, Germany), Nanne Weber (KNMI, Netherlands), Heinz  
> Wanner (U of Bern,  
> Switzerland} and Øyvind Nordli {Norway)  
>  
><p> We expect about 30 participants, about 35 would come from various  
> interested partners (for instance: 10 US, 10 German, 5 Dutch, 5 Swiss  
> and 3 Norwegian  
> + 2 others). These participants would cover their own travel costs.  
> + Another  
> 15 participants would be invited (for instance 5 US, 5 UK, 5 &nbsp; others).  
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>organisational

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>costs.

><p>Purpose and scope of the workshop are described in&nbsp;<a

>href="http://w3g.gkss.de/staffIstorch/charlottevifie.0401.htm">this

>webpage</a>

><br>&nbsp;

><br>

><u>Suggested participants form participating partners:</u> <br>

>

><p>US: R. Bradley, Hughes, J.Overpeck,T. Crowley, E. Cook, R. Webb,

>M.Cane, M. Evans,D.Battisti, K. Hughen.D. Rind,J. Lean,J.Cole,

>E. Sarachik, C. Woodhouse, T. Delworth, H. Diaz,(max 10}

>

><p>D: H. von Stach. F. Gonzalez, J. Jones, M. Widmann,J . Negendank, H.

>Mllfler, M. Schwager {7, max 10}

>

><p>NL: N. Weber,G.vander Schrier,H. Renssen, B.van Geel,R.

>vanderWal (5,,max 5)

>

><p>CH: H. Wanner,C. Pfister,T.Stocker,J. Luterbacher (4, max 5)

>

><p>N: &Oslash;vind Nordli (1; max 3)

>

>

>

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>

><br>R. Glaser (W&uuml;rzburg), M.Claussen {D}, Barriendos (Barcelona,ES),Brazdil (Brno,CZ), P. Jones, K. Briffa,T. Osborn (UK),J. Guiot (F), T. Delworth (US},1. Beer(?) M. Barriendos (?), K.R.Laird, D. Verschuren or F. Gasse (N.African lakes), Bernhard Reichert,J.Patzold or T. Felis (Bremen) .

>

>(10)

>

>

><br><br><u>Other participants</u> (no costs) <br>Mark Eakin (NOAA),

>Steve Coleman (NSF)

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Received: from MannPC.virginia.edu (mannpc.evsc.Virginia.EDU [128.143.42.178]) by fsrv.clas.Virginia.EDU (8.9.3/8.9.3)

with SMTP id JAA16600;Tue,

03 Oct 2000 09:23:39 -0400

Date: Tue,03 Oct 2000 09:30:49 -0400

From: "MichaelE. Mann" <mann@muftiproxy.evsc.virginia.edu> Subject: Re: tentative list of invitees to Charlottesville meeting In-reply-to: <200010031001.KAA03364@bgwd17.knmi.nl>

X-Sender:mann@multiproxy.evsc.virginia .edu

To: Nanne Weber <weber@knmi.nl>, Hans.von.Storch@gkss.de, wanner@giub.unibe.ch, Oyvind.Nordli@dnmi.no, j.jones@gkss.de, weber@knmi.nl

Cc: mann@virginia.edu

Message-id: <3.0.6.32.20001003093049.00acb780@multiproxy.evsc.virginia.edu> MIME-version: 1.0

X-Mailer:QUALCOMM Windows Eudora Light Version 3.0.6 (32)

Content-type: text/plain; charset=us-ascii

Content-transfer-encoding:7BIT Dear Nanne and others,

Thanks for your message.

My understanding is that we're aiming for about 40-50 people, which would include about 15 from the U.S., and about

35-40 from the participating European countries.

I have already put together a list of U.S. participants that I believe need to be involved. It happens to overlap quite well those suggested by Nanne below. Not all will come:

R. Bradley M. Hughes J. Overpeck T.Crowley E. Cook

R. Webb M. Cane M. Evans D. Battisti K.Hughen D. Rind

J. Lean

J. Cole

E. Sarachik

C. Woodhouse

T. Delworth

In addition, we will need to invite program managers from the sponsoring U.S. agencies (these come free of expense!) Mark Eakin (NOAA)

Steve Coleman (actually, likely his replacement at NSF)

I'm happy to discuss this, and interested to see the list of proposed European participants...

I'll be teaching most of the day, and leaving in the afternoon for 1 week, so we should plan to discuss again after I return next week.

best regards, mike

At 10:01AM 10/3/00 GMT, Nanne Weber wrote:

>

>Dear friends,

>

>Hans von Storch, Oyvind Nordli and myself happened to meet last week at

>a workshop in Hamburg. We briefly discussed the Charlottesville

>meeting. All thought that it is timely to start inviting people to

>participate. Especially European participants

>would have to plan a trip to the US some time ahead...

>To make a start here, I prepared a tentative and incomplete list of the

>15 people to be invited by the conveners (and to be paid out of the

>workshop budget).

>I propose that everyone sends comments/additions to all, and I will

>volunteer to make the next synthesis list. Please add also the people

>to be invited by yourself.

>

>The draft which Hans send around earlier (the total funding, each one's

>financial contribution and number of participants) seemed OK to me. I

>think that it is likely that I can contribute as suggested; I will know

>for certain half november.

>

>Regards,

>

>Nanne

>

>

>

>+++++

>Dr. S. L. Weber

>Royal Netherlands Meteorological Institute (KNMI)

>P.O. Box 201,3730 AE De Bilt

>The Netherlands

>

>phone +3130 2206756

>e-mail weber@knmi.nl

fax +3130 2202570 <http://www.knmi.nlj-weber>

>+++++

>

>Draft list of invitees to Charlottesville meet ing,

>17-20 April 2001

>

>\*Ray Bradley, US

>

>\*Tom Crowley, US

>

>\*T. Delworth,US

>

>\*Joel Guiot,France

>

>\*Phil Jones, Keith Briffa and/or Tim Osborn,CRU, UK

>

>\*Judith Lean and/or Juerg Beer (solar variability)

>

>\*Thomas Stocker and/or Christof Appenzeller,Physics Institute, Bern

>

>

>

Professor Michael E. Mann

Department of Environmental Sciences, Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail: [mann@virginia.edu](mailto:mann@virginia.edu) Phone: (804) 924-7770 FAX: (804) 982-2137

<http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To:

Subject:

Dear friends,

Nanne Weber <[weber@knmi.nl](mailto:weber@knmi.nl)> Tuesday, October 03, 2000 6:01AM



storch@gkss.de; mann@multiproxy.evsc.virginia.edu; wanner@giub.unibe.ch; Oyvind.Nordli@dnmi.no;  
j.jones@gkss.de;weber@knmi.nl

tentative list of invitees to Charlottesville meeting

Hans von Storch,Oyvind Nordli and myself happened to meet last week at a workshop in Hamburg. We briefly discussed the Charlottesville meeting. All thought that it is timely to start inviting people to participate.Especially European participants

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I propose that everyone sends comments/additions to all, and I will volunteer to make the next synthesis list. Please add also the people to be invited by yourself.

The draft which Hans send around earlier (the total funding, each one's financial contribution and number of participants) seemed OK to me.I think that it is likely that I can contribute as suggested;I will know for certain half november.

Regards, Nanne

+++++

Dr. S. L. Weber

Royal Netherlands Meteorological Institute (KNMI) P.O. Box 201,3730 AE De Bilt

The Netherlands

phone +3130 2206756 e-mail weber@knmi.nl

fax +3130 2202570 <http://www.knmi.nl/> weber

+++++

Draft list of invitees to Charlottesville meeting,

17-20 April 2001

\*Ray Bradley, US

\*Tom Crowley, US

\*T. Delworth, US

\*Joel Guiot, France

\*Phil Jones, Keith Briffa and/or Tim Osborn, CRU, UK

\*Judith Lean and/or Juerg Beer (solar variability)

\*Thomas Stocker and/or Christof Appenzeller, Physics Institute, Bern

From: Sent To: Cc:

Subject:

Jonathan Overpeck <jto@u.arizona.edu> Tuesday, November 02, 1999 1:10 AM Michael E. Mann

niklaus schranz

Re: venice pc projection

I'll have my mac with me, and on it, I'll have the animation version with Mann blended to Jones to bring it up to 1998. Not sure if this will help, but hopefully the led panel will work with my mac (G3 powerbook)? Thx, Peck

>Dear Niklaus,

>

>Thanks very much for your message, and your efforts here. What you

>describe certainly sounds like our best option yet--I used this setup

>at GFDL, and it worked just great. Connectivity is the only

>remaining--! assume the LCD panel will come equipped w/ a cable/port

>connector that attaches to the standard auxilliary port on a PC laptop?

>As long as we have that, I think the setup will be more-than adequate

>for our needs (and an infinite improvement over nothing at all!). Thank

>again,

>

>mike

>

>05:12PM 11/1/99 +0100,niklaus schranz wrote:

>>Hi Mike and Peck

>>

>>Obviously it seems difficult for the Venice lot to turn up with

>>something suitable for PC projection.

>>

>>I can bring a color LCD panel for putting on an overhead projector

>>from the Bern Botany dept. This is not as bright as a video beamer,

>>but should be sufficient for a room of that size. Unfortunately the

>>university's video beamer can't be borrowed for more than a day.

>>

>>Please advise wheter we should bring the panel or if you found

>>something better.

>>

>>See you next week

>>

>>Niklaus

>>

>>

>>

>>Niklaus Schranz,Office Manager

>>

>>schranz@pages.unibe.ch

>>-----

>>

>>PAGES - Past Global Changes- InternationalProject Office

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tel:+4131312 3133 fax: +4131312 3168

<http://www.pages.unibe.ch>

> Professor Michael E. Mann  
> Department of Environmental Sciences, Clark Hall  
> University of Virginia  
> Charlottesville, VA 22903  
>

>e-mail: [mann@virginia.edu](mailto:mann@virginia.edu) Phone:(804) 924-7770 FAX: (804) 982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.html>

Jonathan T. Overpeck

Director, Institute for the Study of Planet Earth Professor, Department of Geosciences

715 N. Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721

tel: +1520 622-9062

direct tel:+1520 622-9065 fax: +1520 792-8795

From: Sent: To:

Subject:

Keith Briffa <[k.briffa@uea.ac.uk](mailto:k.briffa@uea.ac.uk)> Sunday, February 27, 2000 9:44 PM Michael E. Mann

Re: newest reconstruction

Mike

Tim should have sent you the above by now.

I also wanted to flag with you the fact that there is a pre-arranged meeting at the time you have suggested for a meeting on Palaeoclimate reconstructions (with Hans von Storch). Though the meeting I am referring to is relatively small-it may involve a number of people you may wish to have at your meeting e.g. Ed Cook, Ray Bradley, Jonathan Overpeck. Our meeting is concerned with the HIHOL project (High resolution Climate Variability in the Holocene) being sponsored by PAGES and NSF. This will provide a review issue of The Holocene journal. I would suggest a postponement of yours perhaps till spring 2000? There are loads of things we need to discuss well before then anyway - relating to collaborative research and general directions. I wonder if we have mutual attendance planned at any meetings before fall?

best wishes

with hopes of closer and mutually beneficial interaction.

Keith At 11:56 AM 2/25/00 -0500, you wrote:

>Dear Keith/Tim,

>

>I need your newest northern hemisphere density-based tree-ring

>reconstruction and appropriate reference for updating IPCC. Please send

>in ASCII format as soon as possible so we can incorporate. I hope all

>is well. Thanks,

>

>mike

>

>

>

> Professor Michael E. Mann

> Department of Environmental Sciences, Clark Hall

> University of Virginia

> Charlottesville, VA 22903

>

>e-mail: mann@virginia.edu Phone: {804} 924-7770 FAX:(804) 982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.html>

>

>

Dr. Keith Briffa, Climatic Research Unit, University of East Anglia, Norwich, NR4 7TJ, United Kingdom

Phone: +44-1603-592090 Fax: +44-1603-507784

From: Sent: To:

Cc.:

Subject:

satish kolluri <kolluri@comm.umass.edu> Thursday, March 11, 1999 11:00 AM memann@cas.umass.edu  
rbradley@geo.umass.edu

Hemispheric temps.

Dear Professors Mann and Bradley,

The following piece appeared in the op-ed page of today's TIMES OF INDIA.

Friday 12 March 1999

A thousand years of chills and fevers

By WILLIAM K STEVENS

THE NORTHERN Hemisphere has been warmer in the 20th century than in any other century of the last thousand years, according to this reconstruction of the hemispheric temperature record by scientists at the University of Massachusetts and the University of Arizona.

The sharp upward jump of the last 100 years, shown in maroon, was recorded by thermometers at and near the earth's surface. Earlier fluctuations, shown in orange and black, were reconstructed from "proxy" evidence of climatic change contained in tree rings, lake and ocean sediments, ancient ice and coral reefs.



The farther back in time the reconstruction is carried, the larger the range of possible error (light pink area on the accompanying graphic). Where the proxy and instrumental evidence overlap, they are in close accord. Taken together, the evidence indicates that the abrupt 20th-century warming ended a 900-year natural cooling trend.

Scientists who did the reconstruction cautioned that large uncertainties in the earlier centuries "preclude, as yet, any definitive conclusions" regarding the climate before about A.D. 1400. The scientists were Dr. Michael E.

Mann and Dr. Raymond S.

Bradley at the University of Massachusetts and Dr. Malcolm K. Hughes of the University of Arizona. Their report is to appear in the March 15 issue of Geophysical Research Letters.

The researchers determined in an earlier study that until the 20th century, a variety of mostly natural climatic factors combined to produce the fluctuations in temperature. But in this century, they found, the dominant influence has been emissions of heat-trapping greenhouse gases like carbon dioxide, which is emitted by the burning of fossil fuels like coal and oil.

Over the last century, the average

surface temperature of the globe has risen by about 1 degree Fahrenheit or a little more. By comparison, the earth is 5 to 9 degrees warmer now than in the depths of the last ice age some 20,000 years ago.

If greenhouse emissions are not reduced, scientists predict, the temperature will rise by another 2 to 6 degrees in the 21st century.

The best estimate is about 3.5

degrees, which would make the earth warmer than it has been in millions of years.

(NYT Svc)

India | IMetropolis | IWorld | IStocks | I Business | ISport | IEditorial!

For comments and feedback send Email

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From: Sent: To:

Cc:

Subject:

wsprigg@u.arizona.edu Monday, January 24, 2000 4:48 AM Michael E. Mann wsprigg@u.arizona.edu

Re: Sun-Climate (or, Solar Influences) Workshop

Dear Mike,

I understand. I was involved in the first IPCC and it nearly ate my lunch! I've just e-mailed Malcolm Hughes to see if he would step in.

Perhaps,if needed,you may help me twist his or someone else's arm.

I would very much like to create a poster-size version of your time series of climate variability to be viewed by those attending the workshop. Would you be willing to mail me a floppy with a digitized version of one (or more) temperature/rainfall/proxy time series? ( I suppose we could try an attachment to an e-mail, but I'm sometimes limited due to being technologically challenged.) Thanks for helping.

Bill

\*\*\*\*\*

Date: To: From: Subject:

Cc:

Sat, 22 Jan 2000 15:17:05 -0500 wsprigg@U.Arizona.EDU

"Michael E. Mann" <mann@virginia.edu>

Re:Sun-Climate (or,Solar Influences) Workshop

mann@virginia.edu

Dear Bill,

Unfortunately, I will not be able to attend the workshop as originally planned. Owing to IPCC-related responsibilities,I am already forced to miss several class periods of lecturing in a large introductory course that I am teaching this semester, and missing any further classes would be extremely frowned upon. This is my first major teaching responsibility in the new position I have taken at the University of Virginia. For this reason, I am forced to cut back on several workshops and conferences I had originally very much hoped and planned to attend.

I am sorry for this late notice, and hope that you will be able to make appropriate revisions in the program at this time. I believe that at least one or two collaborators of mine will be in attendance at the workshop, and can probably adequately represent the relevant work that I have been involved in.

Again,I apologize for having to cancelout on attending this important workshop. I hope you will understand. Please let me know if there is some way I can nonetheless be of further help.

best regards, mike mann

At 03:29PM 12/1/99 +0000, you wrote:

>Dear Dr. Mann,

>You are invited to join about thirty of your colleagues in a workshop

>to discuss lines of inquiry into connections between the Sun and

>variability in our climate. George Withbroe of NASA's Office of Space

>Science has asked for this workshop as an avenue to point NASA in the

>direction of a research agenda for the next decade. The workshop

>should help other agency science program managers and researchers as

>well.

>

>The workshop will be held over March 6-8, 2000,at the Westward Look

>Resort and Conference Center, in Tucson,Arizona. Since the format of

>the workshop is to encourage discussion, as opposed to a structured

>series of prepared presentations, attendance will be limited.

>

>The format for the workshop will be in plenary (several survey

>presentations that cover the principal lines of attack to explain Solar

>influences on climate) and breakout groups (discussion and debate that

>dig into the details of each of the principal research

>lines,with short presentations only as needed). Participants

>are encouraged to bring posters representing their work or thoughts on

>the topic. The 1998 Fall meeting of the AGU, the 1999 IUGG, and other

>recent meetings have described many statistical relationships between

>Sun and climate, and outlined possible physical reasons for them. This

>workshop will focus on the causes and mechanisms of these linkages.

>The workshop will produce a) the key scientific questions for given  
>lines of research, b) preferred research and monitoring strategies to  
>answer these questions, and c) rough indications of research and  
>monitoring priorities backed by a rationale. The breakout groups will  
>present their findings in plenary for discussion and for debating  
>integrated priorities.

>

>We are encouraging participants to arrive on March 5, 2000, and depart  
>mid-afternoon or later on March 8. The room rate for the Westward Look  
>is looking like \$130 per night for the first 35 people who register.  
>The Kitt Peak Observatory will be ours {actually for the first 20  
>people who sign up for transportation, dinner, and viewing@ \$35) for  
>Sunday evening, March 5. Unfortunately we do not have funds to support  
>participants. We will follow up with more details as they materialize.

>

>Your recent seminar on Capitol Hill concerning this subject came to my  
>attention. If you know of others who should not be overlooked in our  
>invitation list, please let me, Frank Eden or Katie Freese know.

>Our e-mails are given in the cc list above.

>

>Since participation is limited we would appreciate knowing as  
>soon as possible if you plan to attend. To respond or ask  
>questions, you may also reach me at 520-622-9014.

>

>We hope to see you in Tucson next year.

>Bill Sprigg

>

>

>

>

>

>

>

>

Professor Michael E. Mann

Department of Environmental Sciences, Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail: [mann@virginia.edu](mailto:mann@virginia.edu) Phone: (804) 924-7770 FAX: (804) 982-2137  
<http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To:

Cc:

Subject:

Michael E. Mann <[mann@virginia.edu](mailto:mann@virginia.edu)> Monday, November 13, 2000 6:01PM Scott Rutherford

Michael E. Mann

Re: Order from Apple

Hi Scott,

That sounds good. I'll be doing some grading for my two courses, but will also have some free time since I'll be done teaching. You are welcome to stay w/me,if you don't already have accomodations...

mike

At 05:05 PM 11/13/00 -0500,Scott Rutherford wrote:

>Mike,

>

>Thanks for the powerbook info.

>

>I've got some results from the verification run and have every thing

>processed (I think). I'm trying to narrow down a couple of things, but

>intend on posting the results tomorrow.

>

>I was planning on coming down either the weak of the 4lh through 8th or

>so or the following week 11-14 and flying out to AGU on the 14th.

>You're leaving on the 12th correct? So how does the week of 4-8 sound?

>

>-Scott

>

» HI Scott,

>>

» The powerbook has arrived. Will grab it and keep it in my office until

>>next time you come down.

>>

» Which leads me to the question: when we're you thinking about coming

»down next. It would be good for you to make it down before the holiday

» break, to get the AGU talk together and make some progress on the

»paper and the Osborn analyses. Let me know what you have in mind.

>>

>>Thanks,

>>

»mike

>>

>>X-Sender: mrt3s@m.mail.virginia.edu

>>X-Mailer:QUALCOMM Windows Eudora Pro Version 4.0.1

>>Date: Mon,13 Nov 2000 10:27:37-0500

>>>To: mann@virginia.edu

>>From: Mark Terry <mrt3s@virginia.edu>

>>Subject: Order from Apple

>>>

>>Your Powerbook has arrived from Apple Computer in Room 105. The

>>extra RAM & SaddleBag aren't here yet, but you can come pick up the

>>computer if you'd like.

>>>

>>>

>>> \_

>>Mark Terry

>>Purchasing

>>4-3766

>>>

>>>

>>

» Professor Michael E. Mann

» Department of Environmental Sciences,Clark Hall

» University of Virginia

» Charlottesville, VA 22903

>>



>>e-mail: mann@virginia.edu Phone:(804) 924-7770 FAX: (804) 982-2137

>> <http://www.evsc.virginia.edu/faculty/people/mann.html>

>

>-

>

> Scott Rutherford

>

> Currently sitting here:

>University of Virginia      University of Rhode Island

>Environmental Sciences      Graduate School of Oceanography

>Clark Hall      South Ferry Road

>Charlottesville, VA 22903      Narragansett,RI 02882

>e-mail: srutherford@virginia.edu      srutherford@gso.uri.edu

>phone: (804) 924-4669      (401) 874-6599

>fax: (804) 982-2137 (401) 874-6160

>

>

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<http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To:

Cc:

Subject:

MichaelE. Mann <mann@multiproxy.evsc.virginia.edu> Tuesday, April 30, 2002 10:59 AM

Edward Cook

nrg2p@virginia.edu; mann@virginia.edu

Re: Lamont

Follow Up Flag: Flag Status:

Follow up

Flagged

<x-ffowed>

OK, thanks a bunch Ed,

I've given our grants administrator Neal a heads up that he should be hearing from her, Mike

At 09:28AM 4/30/02 -0400, you wrote:

>Hi Mike,

>

>As far as I know,the money has arrived here at Lamont. Karen Hoffer,

>our Division Administrator, can check into the sta tus of the

>sub-contract. I will talk about it with her today.

>

>Cheers,

>

>Ed

>

»Dear Rosanne/Ed,

>>

» Any possibility you could check w/ the Lamont contracts people about

» the status of our sub-contract? I'm relying on this sub-contract, in

»part, to support Ben over the summer.I can probably scrounge around

» for money elsewhere in the meantime,but it would make things much

»easier if we could get this to clear within the next 2 weeks!

>>

» Thanks,

>>

»Mike

>>

>>

» Professor Michael E. Mann

» Department of Environmental Sciences,Clark Hall

» University of Virginia

» Charlottesville, VA 22903

>>

»e-mail: mann@virginia.edu Phone:(434) 924-7770 FAX: (434) 982-2137

>> <http://www.evsc.virginia.edu/faculty/people/mann.shtml>

>

>

>-

>=====

>Dr. Edward R. Cook  
>Doherty Senior Scholar  
>Tree-Ring Laboratory  
>Lamont-Doherty Earth Observatory  
>Palisades, New York 10964 USA  
>Phone: 1-845-365-8618  
>Fax: 1-845-365-8152  
>Email: drdendro@ldeo.columbia.edu

>=====

Professor Michael E. Mann  
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<http://www.evsc.virginia.edu/faculty/people/mann.shtml>

</x-flowed>

From: Sent: To:

Subject:

Malcolm Hughes <mhughes@ltrr.arizona.edu> Wednesday, July 12, 2000 3:41PM

Michael E. Mann

Re: Fred Singers message

Mike - I don't know what Tom's replying to- do you have a copy? Malcolm

Malcolm Hughes

Professor of Dendrochronology Laboratory of Tree-Ring Research University of Arizona

Tucson, AZ 85721

520-621-6470

fax 520-621-8229

From: Sent: To:

Subject:

Michael E. Mann <mann@virginia.edu> Friday, July 14, 2000 10:25 PM

Malcolm Hughes

Re: draft (rough!)

hi malcolm,

only one figure. It should be located at the end of the word file. I don't have it on my laptop at home, so can you double-

check. It is in the version of the word file that I sent, so it would be very strange if it didn't come through, though it might be a mac-vs-pc issue???

mike

At 02:52PM 7/14/00-0700,you wrote:

>Mike- I couldn't find the figures - could you send them separately?

>Cheers, Malcolm

>Malcolm Hughes

>Professor of Dendrochronology

>Laboratory of Tree-Ring Research

>University of Arizona

>Tucson, AZ 85721

>520-621-6470

>fax 520-621-8229

>

>

From: Sent:

To:

Michael E.Mann <mann@multiproxy.evsc.virginia.edu> Tuesday, February 22, 2000 5:12 PM

mann@virginia.edu

Attachment Converted: c:\program files\eudora\attach\pielke\_gcp\_98.pdf

Professor Michael E. Mann

Department of Environmental Sciences, Clark Hall

University of Virginia

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<http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent To:

Subject:

Kalee Kreider <[KKreider@environet.org](mailto:KKreider@environet.org)>

Thursday, June 06, 2002 9:10AM Michael E. Mann

RE:I'll be on CNBC tonight at 7:30PM

Funny, actually, one of the control room guys said "Whoa" kind of loudly when I delivered that line. Since they cut us so short I had to have a little fun

:)

Chris admitted that I beat him as soon as we were done--I actually almost said "commodore 64 and gopher sites" but then I thought that maybe not that many viewers used gopher sites. As for Apple, I love them, I would never slam them.

:)

I met Pielke, Jr. yesterday for lunch. We talked about his Dad, we should gossip! K Amy (Kalee) D. Kreider

Global Warming and Energy Campaigns Director National Environmental Trust

1200 18th Street, NW 5th Floor

Washington, DC 20036

Phone 202-887-8800

Fax 202-887-8877

--Original Message-----

From: Michael E. Mann [mailto:mann@virginia.edu] Sent: Wednesday, June 05, 2002 10:55 PM

To: Kalee Kreider

Subject: Re: I'll be on CNBC tonight at 7:30PM

Hey, saw you--you were great.

But, in fairness, you really should have granted the poor guy an Apple 2e!

mike

At 03:31PM 6/5/02 -0400, you wrote:

>Hi everyone,

>As an FYI, I'll be on CNBC's Capitol Report tonight at (I think it

>starts

>at 7PM EDT and I am supposed to be on, debating a guy from the Competitive

>Enterprise Institute live sometime after 7:30PM EDT).

>



>Wish me luck.

>KK

>

>Amy (Kalee) D. Kreider

>Global Warming and Energy Campaigns Director

>National Environmental Trust

>1200 18th Street, NW 5th Floor

>Washington, DC 20036

>Phone 202-887-8800

>Fax 202-887-8877

>

>

>

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<http://www.evsc.virginia.edu/faculty/people/mann.shtml>

From: Sent: To:

Subject:

Attachments:

John D. Albertson <[jdalbertson@virginia.edu](mailto:jdalbertson@virginia.edu)> Saturday, September 25, 1999 3:15 PM

Howard Epstein; Bill Kustas; Mike Mann NASA Proposal: Copy for your records NASA\_front\_matter.doc;  
NASA\_FINALdoc

Hello guys:

Well, the proposal is off to NASA. The deadline was met. Thank you all for the great contributions. I really think the underlying idea is excellent and that the approach that we laid out has serious merit. Any problems with the final product will have to be due to my lack of skill in blending your strong pieces together. I hope it is well received.

If not, we will get them on the next go around.

Cheers

John

1-----1

John D. Albertson

Environmental Sciences      Voice: 804-924-7241

Clark Hall      Fax: 804-982-2137

University of Virginia Email: [jdalbertson@virginia.edu](mailto:jdalbertson@virginia.edu)

Charlottesville, VA 22903    <http://www.people.virginia.edu/~jda4h>

1-----1

From: Sent: To:

Subject:





1 attach (in Word 6) the schedule for the April meeting. Each of you will have a STRICT 20 minutes. Plan for 15, with time for a question or two...the timing is tight.

let me know if you have any questions. Ray

Attachment Converted:c:\eudora\attach\April Symp-word 6.doc

Raymond S. Bradley

Professor and Head of Department Department of Geosciences University of Massachusetts Amherst, MA  
01003-5820

Tel: 413-545-2120

Fax:413-545-1200

Climate System Research Center: 413-545-0659 Climate System Research Center Web Site:

<<http://www.geo.umass.edu/climate/climate.html>

From: Sent: To:

Cc:

Subject:

Jonathan Overpeck <[jto@u.arizona.edu](mailto:jto@u.arizona.edu)> Sunday, October 31, 1999 12:11 PM

Keith Alverson

Michael E. Mann

Fwd: Re: PAGES-CUVAR meeting in Venice

>Hi Keith - I'm stuck in a small New Mexico town with a broken down  
>rental truck full of lab gear and samples. Don't know how long I'll be  
>here, but hopefully, I can get you a pile of scheduling feedback for

>Venice. The email below requests a projector for a presentation.  
>Any chance you can bring one from Bern? Mikes talk is early on in the  
>week. Perhaps you could rent a lightweight one if you don't have one? I  
>have one, but it's in use at a meeting in Tucson through the week, so I  
>can't bring it with me. Please let me AND Mike know if you can help. It  
>will be worth it if you can, and I'll bring another drought animation  
>too. Thanks! Peck

>X-From\_: mann@multiproxy.evsc.virginia.edu Tue Oct 26 12:07:13 MST 1999

>X-Sender: mann@multiproxy.evsc.virginia.edu

>Date: Tue, 26 Oct 1999 15:12:36 -0400

>To: "Jonathan T. Overpeck" <jto@ngdc.noaa.gov>

>From: "Michael E. Mann" <mann@multiproxy.evsc.virginia.edu>

>Subject: Re: PAGES-CLJVAR meeting in Venice

>

>Hey Peck,

>

>Just checking in. I hope the adjustment is going well...

>

>The rumour is that Malcolm may not be able to make it to Venice owing to

>his injuries, but I think the also-gimpy Ray Bradley will. I am hoping to

>figure out how to do animation of our reconstructions on my own laptop,

>which I intend to bring. May need some help from Ed Gille on that. The

>question for

>you: do you know if we will have the facilities to take video output

>from a laptop and project onto the screen (e.g.,with an LCD projector)?

>

>That has significant implications for the nature of my presentation,and

>for the possibility of animation. Let me know.Ihope all is well. See you

>soon,

>

>mike

>

>At 06:49 PM 9/19/99 -0700,you wrote:

>>Sounds good. I watched the Broncos loose again,happy that I'm moving to a

>>new state. Just two more boxes to pack (I think!). More later, read up on

>>Italian wine,Peck

>>

>>

>>Dr. Jonathan T.Overpeck

>>Head, NOAA Paleoclimatology Program

>>National Geophysical Data Center

>>325 Broadway E/GC

>>Boulder,CO 80303

>>

>>tel: 303-497-6172

>>fax: 303-497-6513

>>jto@ngdc.noaa.gov

>>

>>For OVERNIGHT (e.g., Fedex) deliveries,

>>PLEASE USE:

>>

>>Dr. Jonathan Overpeck

>>Head,NOAA Paleoclimatology Program

>>National Geophysical Data Center

>>325 Broadway E/GC

>>Boulder,CO 80303

>>

>>

>>

>>

>>

>>

>-----

> Department of Environmental Sciences,Clark Hall

> University of Virginia

> Charlottesville,VA 22903

>

>e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.html>

Jonathan T. Overpeck

Director,Institute for the Study of Planet Earth

Professor, Department of Geosciences

715 N. Park Ave.2nd Floor University of Arizona Tucson, AZ 85721 tel:+1520 622-9062

direct tel: +1520 622-9065 fax:+1520 792-8795

From: Sent: To:

Cc:

Subject:



Michael E. Mann <mann@virginia.edu> Tuesday, May 07, 2002 4:20 AM

Pamela Stambaugh

khoffer@admin.ldeo.columbia.edu;rosanne; nrg2p@virginia.edu; mann@virginia.edu

Re: finally!!!

Follow Up Flag: Flag Status:

Follow up

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<html>

Dear Pam,<br>

<br>

Can you update us on the status of the sub-contract award to U.Va? When I received word that the NOAA award was received by Columbia last February,I fully expected that our own sub-contract would be received at U.Va by the spring at the latest, and thus committed to support a graduate student over the summer on this project. Now summer is here, and still no money!<br> <br> I'm wondering what might be leading to these further delays, and if there is any way we can get this taken care of ASAP.&nbsp;I've cc'd this message to our grants administrator Neal Grandy

{nrg2p@virginia.edu). Please feel free to get in touch w/ him.<br> <br> Thanks in advance for your attention to this

matter,<br> <br> Mike Mann<br> <br> At 11:09 AM 2/28/02 -0500,you wrote:<br> <blockquote type=cite class=cite cite>hi Mike,<br> <br> <br> here it is, at last...<br> <br> cheers<br> Rosanne<br> <br> <br>

Date: Thu, 28 Feb 2002 10:56:49 -OSOO<br>

From: Pamela Stambaugh &lt;pam@admin.ldeo.columbia.edu&gt;<br> X-Accept-Language:en<br>

MIME-Version:1.0<br>

To:Karen Hoffer &lt;khoffer@admin.ldeo.columbia.edu&gt;<br>

CC: druidrd@ldeo.columbia.edu, drdendro@ldeo.columbia.edu<br>



Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Tuesday, May 07, 2002 4:45 AM

Karen Hoffer nrg2p@virginia.edu Re:finally!!!

Follow Up Flag: Flag Status:

Follow up

Flagged

<html>

Dear Karen,<br>

<br>

Thanks for your response. We'll look forward to hearing back,<br> <br> Mike<br> <br> At 08:26AM 5/7/02 - 0400, you wrote:<br> <blockquote type=cite class=cite cite>Mike--Thanks for the note.&nbsp;I did ask Pam to review the status of this la st week.<br> Pam wa s out of the office yesterday so hopefully we will have an answer today.&nbsp; I<br> fl hear anything,Iwill forward to you- <br> <br> Thanks Karen<br> <br> &quot;Michael E. Mann&quot;wrote:<br> <br> &gt; Dear Pam,<br> &gt;<br> &gt;Can you update us on the status of the sub-contract award to U.Va? When I<br> &gt; received word that the NOAA award was received by Columbia last February, I<br> &gt;fully expected that our own sub- contract would be received at U.Va by the<br> &gt; spring at the latest,and thus committed to support a graduate student over<br> &gt; the summer on this project.Now summer is here,and still no money!<br> &gt;<br> &gt;I'm wondering what might be leading to these further delays, and if there<br> &gt; is any way we can get this taken care of ASAP.&nbsp;&nbsp;&nbsp; I've cc'd this message to<br> &gt;our grants administrator Neal Grandy (nrg2p@virginia.edu). Please feel free<br> &gt; to get in touch w/ him.<br> &gt;<br> &gt; Thanks in advance for your attention to this matter,<br>

&gt;<br> &gt;Mike Mann<br> &gt;<br> &gt; At 11:09 AM 2/28/02 -0500, you wrote:<br> &gt;&gt;hiMike<br> &gt;&gt;

&gt;<br> &gt; &gt;<br> &gt;&gt;here it is, at last...<br> &gt; &gt;<br> &gt;&gt;cheers<br> &gt;&gt;Rosanne<br> &gt;&gt;





Pamela Stambaugh

nrg2p@virginia.edu

Re: finally!!! UALASKA UAF 02-0033

Follow Up Flag: Flag Status:

Follow up

Flagged

<html>

OK,thanks Pam...<br>

<br>

We'll look forward to hearing from Ruby,<br> <br> Mike<br> <br> At 08:11AM 5/7/02 -0400, you wrote:<br>

<blockquote type=cite class=cite cite>Mike,<br> <br> Subcontracts are issued from the Columbia University Office of

Projects and Grants.I have forwarded a copy of this email to the contact person: <br> <br> <b>Ruby Gatewood

</b>&nbsp;Phone: 212-854-6851<br>

email:rg292@columbia.edu <br>

<br>

Our agreement from the University of Alaska was signed off Feb. 12th. However,the period of performance is actually

8/16/01-8/15/02. The amount awarded for the University of Virginia subcontract is \$14,400. Perhaps this email can serve as a Letter of Intent so that your institution can set up an account while you are waiting for Ruby Gatewood to send the paperwork. <br> <br> Pam <br> &nbsp;<br> <br> &quot;Michael E. Mann&quot; wrote: <br> <blockquote type=cite class=cite cite>Oear Pam,<br> <br> Can you update us on the status of the sub-contract award to U.Va? When I <br> received word that the NOAA award was received by Columbia last February,I <br> fully expected that our own sub-contrac t would be received at U.Va by the <br> spring at the latest,and thus committed to support a graduate student over <br> the summer on this project. Now summer is here, and still no money! <br> <br> I'm wondering what might be leading to these further delays,and if there







e-mail: mann@virginia.edu Phone: {434} 924-7770 FAX: {434} 982-2137

<http://www.evsc.virginia.edu/faculty/people/rmann.shtml>

From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Tuesday, May 07, 2002 8:20AM

Pamela Stambaugh

khoffer@admin.ldgo.columbia.edu; rosanne;nrg2p@virginia.edu; mann@virginia.edu

Re: finally!!!

Follow Up Flag:

Flag Status:

Follow up

Flagged

<x-flowed> Dear Pam,

Can you update us on the status of the sub-contract award to U.Va? When I received word that the NOAA award was received by Columbia last February, I fully expected that our own sub-contract would be received at U.Va by the spring at the latest, and thus committed to support a graduate student over the summer on this project. Now summer is here, and still no money!

I'm wondering what might be leading to these further delays, and if there is any way we can get this taken care of ASAP. I've cc'd this message to our grants administrator Neal Grandy (nrg2p@virginia.edu). Please feel free to get in touch w/ him.

Thanks in advance for your attention to this matter, Mike Mann

At 11:09 AM 2/28/02 -0500, you wrote:

>hiMike,

>

>

>here it is, at last...

>

>cheers

>Rosanne

>

>

>Date: Thu,28 Feb 2002 10:56:49 -0500

>From:Pamela Stambaugh <pam@admin.ldeo.columbia.edu>

>X-Accept-Language: en

>MIME-Version: 1.0

>To: Karen Hoffer <khoffer@admin.ldeo.columbia.edu>

>CC: druidrd@ldeo.columbia.edu, drdendro@ldeo.columbia.edu

>Subject: Re:[Fwd: Prop. 9668 CIFAR/NOAA

>Status:

>

>Everyone,

>

>This award was signed off January 24th and returned to the U. of Alaska

>for countersignature It arrived at CU/OPG yesterday and they will set

>up an account ASAP.

>

>Period: 8/16/01- 8/15/02     \$85,946

>

>It appears that these "virtual" institutes that NOAA is creating such  
>as CIFAR, CICAR, etc add an extra layer that slows down the award  
>system. OPG indicated that they have been following up for many months.  
>Whether NOAA was late in getting the award to U.of Alaska or Alaska  
>has delayed in finalizing an award to us is not apparent. In any event,  
>it's in and I'll let you know as soon as an account number is in the  
>system for your use.

>

>Pam

>

>Rosanne D'Arrigo, Senior Research Scientist Tree-Ring laboratory  
>Iamont-Doherty Earth Observatory  
>61 Route 9W  
>Palisades, New York 10964  
>845 365 8617            845 365 8152 fax  
>email: druidrd@ldeo.columbia.edu

Professor Michael E. Mann

Department of Environmental Sciences, Clark Hall

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Charlottesville, VA 22903

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<http://www.evsc.virginia.edu/faculty/people/mann.shtml>

</x-flowed>

From: Sent: To: Cc:

Subject:

Follow Up Flag: Flag Status:

Michael E. Mann <mann@virginia.edu> Friday, May 24, 2002 6:17 AM

rosanne

drdendro@ldeo.columbia.edu; nrg2p@virginia.edu;pam@admin.ldeo.columbia.edu;

khoffer@admin.ldeo.columbia.edu; mann@virginia.edu

Re: finally!!!

Follow up

Flagged

<html>

Hi Rosanne,<br>

<br>

At first I thought this might be a joke? But apparently not...<br> <br> Well since we haven't yet received the subcontract from Lamont (although my understanding is that it is now on the way, and so we've set up a preliminary project here at U.Va now in expectation of receipt of the sub-contract shortly) we obviously haven't been able to do any work on this yet.&nbsp;A final report, before we've even received our funding??<br> <br> I have a graduate student that I intend to fund on this over the summer.<br> <br> Doesn't the project terminate



Subject:

Michael E. Mann <mann@multiproxy.evsc.virginia.edu>

Thursday, May 23, 2002 12:55 PM Brendaw Morris mann@virginia.edu

returned mail

Follow Up Flag: Flag Status:

Follow up

Flagged

<x-flowed> HIBrenda,

A package you mailed to Douglass just came back. This could be a problem, because I'm sure he is very anxious for the decision letter. Perhaps you should email him the decision letter and reviews directly in the meantime if you haven't done so, and apologize to him on our behalf for the mailing snafu. Apparently the address you sent it to is incorrect?

Please stop by to check this out, and pick up the other folders (the box is almost full) in there, when you have the chance.

Thanks, mike

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<http://www.evsc.virginia.edu/faculty/people/mann.shtml>

</x-flowed>

From: Sent: To:

Cc:

Subject:

Phil Jones < p.jones@uea.ac.uk> Friday, July 27, 2001 4:12 AM

Mike MacCracken; Michael E. Mann; Mike MacCracken

k.briffa@uea.ac.uk; rbradley@geo.umass.edu; mann@virginia.edu

Re: Proposed Sessions for IUGG Sapporo, 2003

<x-flowed>

Dear All,

I'd be happy to be involved in the two sessions you have me down for at the next IUGG (IAMAS). Following on from Mikes (Mann) email and Mikes (Mac) response it would be useful to alter the wording of the first to encourage people to come who are working on longer timescale Holocene variations (partly those with less well-resolved

proxies) and those

working on high-frequency proxies (principally for the last couple of thousand years}. We need to get both but will need to separate into well-defined sessions.

An additional thought would be to combine the two 'Holocene' sessions into a longer

session of 4-5 days, looking at the evidence/results in the first part and the causes/understanding in the second half.

I'll leave this up to you, Mike (Mac}.

For the land cover I suggest you contact Navin Ramankutty (nramanku@facstaff.wisc.edu). Navin has developed a land-use dataset since 1700 on a fine grid basis.

There is a paper

in Glob. Biogeochem.Cycles.13 (1999) 997-1027. Also Richard Betts at the Hadley Centre (richard.betts@metoffice.com) should be running the HC model with this land-use forcing history in the near future. So, there is a land-use dataset available at least since 1700, but

I would have thought it would be difficult to get anything as detailed for earlier times. Other sessions all seem good ideas.

Cheers

Phil

At 12:43 26/07/01-0400, Mike MacCracken wrote:

>Good ideas, with one caveat. A problem we have had is that we tend to  
>get sessions overlapping on topic, etc. and then on time--so what I was  
>hoping was we could have one symposium on the Holocene and then the  
>conveners can break up the days into early and late or whatever else  
>makes sense--but if we get topics too fine-scale, then we get problems  
>developing--some might not get papers, etc.--together, the effort can  
>be coordinated better, it seems to me.

>

>Mike

>



>At 11:49 AM -0400 7/26/01, Michael E. Mann wrote:

>>Dear Mike,

>>

>>Thanks-1 think the timing would be good,w/ the next IPCC perhaps

>>only beginning to gear up (depending on whether or not the FAR is

>>even in '2005 which I guess hasn't yet been decided?).

>>

>>I'd be happy to convene a session on the Holocene w/ any combination

>>of the others (Phil, Keith,Ray) you mentioned,but it might be

>>worthwhile to consider having both a "Holocene A" and "Holocene 8"

>>session divided roughly into early/mid Holocene and late Holocene

>>respectively. For the former,it might be useful to involve others

>>like Jean Jouzel or Sandy Tudhope who are interested in things like

>>the 8.2 and 4.2 kyr BP events and changes from early to mid-Holocene

>>in ENSO variability, and can better address those themes, while

>>others of us might be better suited to convening a "late Holocene"

>>session that would revisit many of the issues that came up in the

>>Charlottesville Workshop last spring (an Eos meeting report should be

>>out at some point hopefully!). It might be useful to involve

>>Jonathan Overpeck here as well, which would help coordinate (both in

>>terms of scheduling,but also in terms of themes) what we're trying to accomplish w/ international PAGES/CLIVAR (Peck is the chair of this).

>>

>>I'll be interested to hear what the others think too.

>>

>>Cheers,

>>

>>mike

>>

>>If we do go through w/ this session,it will be important for those

>>of us

>>

>>At 11:19 AM 7/26/01-0400, you wrote:

>>»Two more things--please suggest any possible other people who might

>>>be willing to serve as conveners.

>>>

>>»And, of course,I do need responses at this point by this Friday.

>>>

>>»Thanks, Mike

>>

>>

>> Professor Michael E. Mann

>> Department of Environmental Sciences, Clark Hall

>> University of Virginia

>> Charlottesville, VA 22903

>>

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>> <http://www.evsc.virginia.edu/faculty/people/mann.shtml>

Prof.Phil Jones

Climatic Research Unit Telephone +44 (0) 1603 592090

School of Environmental Sciences Fax +44 (O) 1603 507784

University of East Anglia

Norwich NR4 7TJ UK

Email p.jones@uea.ac.uk

</x-flowed>

From: Sent: To:

Subject

Jonathan Overpeck <jto@u.arizona.edu> Tuesday, July 03, 2001 6:42 PM

Michael E. Mann

Re: FINAL DRAFT EOS MEETING REPORT

<x-flowed>

all sounds good, the cafe's beckon. cheers, Peck

>HI Peck,

>

>Thanks-! can bring a bunch of copies of the Eos piece. I already

>talked to Ellen Mosely Thompson, and she said she'll shepherd it

>through the review process...

>

>Yes, I can give reports on both the C'ville workshop (though the Eos

>piece might speak largely for itself) and on IPCC. There are also some

>interesting developments from the latest NOAA CCDD panel meeting that

>are worth discussing, which we can discuss more informally...

>

>talk to you soon,

>

>mike

>

>

>At 01:48PM 7/3/01-0700, you wrote:

» Hi Mike- I think you're done a good job of soliciting comments etc

» (to put in mildly) and the product looks better as a result. Thx.

>>

»Can you give a brief (ca. 10 minute) overview at the PAGES/CLIVAR mtg?

»Also, might be good to bring ca. 12 copies (double sided or

»something) of the EOS report to go with you verbal overview.

>>

» Make sense? It would also be great to get your help in leading the

»IPCC discussions- ie where does the IPCC process stand, and what is

»the state of the art in terms of what is needed from the PAGES/CLIVAR

»community over the next few years. Thomas Stocker might not make it,

>>so I wanted to warn you.

>>

» Thanks! See you soon in a nice place, peck

>>

»>Dear All,

>>>

>>I propose we add Martin Widmann to the list of authors as well, given

>>his contribution to the discussions. If Eos complains there are too

>>many authors,we'll deal w/ that at a later time.

>>>

>>Please let me know within the next 24 hours if you have any final

>>comments,and if you do not wish to sign your name to this (ie,

>>either you feel you are unworthy,or you are in disagreement w/ the  
>>content--hopefully not!). Lack of a response will be accepted as your  
>>blessing of both the content and your co-authorship of the piece.

>>>

>>Iwill submit this to Eos electronically on Friday, since I will be  
>>away for the following 10 days,returning (August 16th) too close to  
>>the 3 month submission deadline.

>>>

>>Thanks for all your help. I think this report is something we can all  
>>be proud of, and I look forward to more interaction and collaboration  
>>among the group, including hopefully funding for an international  
>>pilot project as we propose here. I'll look forward to peoples'  
>>further thoughts regarding the latter.

>>>

>>>Cheers,

>>>

>>mike

>>>

>>>

>>>

>> Professor Michael E. Mann  
>> Department of Environmental Sciences,Clark Hall  
>> University of Virginia  
>> Charlottesville, VA 22903

>>>

>>e-mail:mann@virginia.edu Phone: (804) 924-7770 FAX:(804) 982-2137

>> <http://www.evsc.virginia.edu/faculty/people/mann.shtml>

>>Attachment converted: Macintosh HD:meetingreport-revised.doc

>>(WDBN/MSWD) (0001C871)

>>

>>--

»Jonathan T. Overpeck

»Director,Institute for the Study of Planet Earth Professor,

»Department of Geosciences

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»Tucson, AZ 85721

»direct tel: +1520 622-9065

»fax:+1520 792-8795

>>[http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html)

»<http://www.ispe.arizona.edu/>

>

>

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<http://www.ispe.arizona.edu/>

</x-flowed>

From: Sent: To:

Subject:

Jonathan Overpeck <jto@u.arizona.edu> Tuesday, July 03, 2001 8:21 PM

Michael E. Mann

Re: FINAL DRAFT EOS MEETING REPORT

<x-flowed>

no,no, no,you're thinking of the coffee shops... they're nice too,but if you're going to one of them,I'm bringing the video camera.

Cheers,peck

>hey, I'm all for the cafes--but don't expect any cappuccinos at them cafes...

>

>see you there,

>

>mike

>

>At 03:42 PM 7/3/01-0700,you wrote:

»all sounds good,the cafe's beckon.cheers,Peck

>>

>>>HI Peck,

>>>

>>Thanks-I can bring a bunch of copies of the Eos piece. I already

>>talked to Ellen Mosely Thompson, and she said she'll shepherd it

>>through the review process...

>>>

>>Yes,I can give reports on both the C'ville workshop ( though the Eos

>>piece might speak largely for itself) and on IPCC. There are also

>>>some interesting developments from the latest NOAA CCDD panelmeeting

>>that are worth discussing, which we can discuss more informally...

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>>talk to you soon,

>>>

>>mike

>>>

>>>

>>>At 01:48 PM 7/3/01-0700, you wrote:

»» Hi Mike- I think you're done a good job of soliciting comments etc

>>>(to put in mildly) and the product looks better as a result.

>>>>Thx.



>>>>

»»Can you give a brief (ca. 10 minute) overview at the PAGES/CLIVAR

»»mtg? Also,might be good to bring ca. 12 copies (double sided or

»»something) of the EOS report to go with you verbal overview.

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»»Make sense? It would also be great to get your help in leading the

»»IPCC discussions - ie where does the IPCC process stand,and what is

»»the state of the art in terms of what is needed from the

»»PAGES/CLIVAR community over the next few years. Thomas Stocker might

>>>>

>>>>

>>>>

Professor Michael E. Mann

Department of Environmental Sciences, Clark Hall

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>>>>

-

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>>-

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</x-flowed>

From: Sent: To:

Cc:

Subject:

Michael E.Mann <mann@virginia.edu> Tuesday, July 03, 2001 5:49 PM Jonathan Overpeck

mann@virginia.edu

Re: FINAL DRAFT EOS MEETING REPORT

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>>

» Cheers,

>>

» mike

>>

>>

>>

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<http://www.evsc.virginia.edu/facultyIpeople/mann.shtml>

</x-flowed>

From: Sent: To:

Cc:

Subject:

Michael E. Mann <[mann@holocene.evsc.virginia.edu](mailto:mann@holocene.evsc.virginia.edu)> Tuesday, July 18, 2000 2:14 PM

Ray Bradley [mhughes@lrr.arizona.edu](mailto:mhughes@lrr.arizona.edu)

Re: short communication

p.s. I'd like to suggest Overpeck, Karl, Crowley, Cook as reviewers. Any alternative suggestions, objections, etc?

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Charlottesville, VA 22903

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<http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent To:

Cc

Subject:

James Hack <jhack@cgd.ucar.edu> Friday, June 23, 2000 9:40 AM Michael E.Mann

James J.Hack

Re:JCL 3353

>

>Dear Jim,

>

>Would like to help, but w/ my own editorial responsibilities now at J.

>Ciim., along w/ IPCC and other things, there is no extra time.

>

>Sorry I can't be of more help at this time.

>

>best regards,

>

>mike

>

Sorry about that, Mike. I now remember that you recently became an editor for J. Climate. I wouldn't have asked had I

not been so dense!

Got any suggestions for other reviewers in this area? It uses a "perfect model" approach to the problem (low res quasi-geostrophic model integrated for nearly 100 years) to look at things like relationships between predictability and flow patterns, etc. A strong statistical component to the material.

Thanks in advance for any suggestions, and sorry about my oversight. Jim

James J. Hack

Editor, Journal of Climate

National Center for Atmospheric Research

1850 Table Mesa Drive

Boulder, Colorado, USA 80303

Iphone: 303-497-1387

Ifax : 303-497-1324

Iemail: [jhack@ncar.ucar.edu](mailto:jhack@ncar.ucar.edu)

---

From: Sent: To: Subject:

Caspar Ammann <[ammann@ucar.edu](mailto:ammann@ucar.edu)> Tuesday, May 14, 2002 2:48 PM

Michael E. Mann

solar paper

Follow Up Flag:

Flag Status:

Follow up

Flagged

Mike,

here is our initial solar manuscript in review in Atmospheric-,Solar and Terrestrial Physics (Elsevier). Caspar

Caspar M. Ammann

National Center for Atmospheric Research Climate and Global Dynamics Division- Paleoclimatology  
Advanced Study

Program

1850 Table Mesa Drive

Boulder,CO 80307-3000

email: ammann@ucar.edu tel: 303-497-1705 fax: 303-497-1348

Attachment Converted: "C:\WINDOWS\DESKTOP\Attach\final\_complete\_with\_fig.pdf"

From: Sent: To:

Subject:

Jonathan Overpeck <jto@u.arizona.edu> Wednesday, November 01, 2000 2:42 PM Michael E. Mann

Re: EI article

amazing... thx for the hound-dogging,Peck

Jonathan T. Overpeck

Director,Institute for the Study of Planet Earth Professor,Department of Geosciences

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<http://www.geo.arizona.edu/Faculty/Pages/Overpeck.J.html>

<http://www.ispe.arizona.edu/>

From: Sent: To:

Subject:

Hans.von.Storch@gkss.de on behalf of Hans von Storch <Hans.von.Storch@gkss.de> Monday, November 06, 2000 4:39 PM

Michael E. Mann

Re: charlotteville

Thanks, Mike, and Good Night! Hans

"Michael E. Mann" wrote:

> Dear all,

>

> I see no problem in terms of numbers. As long as the individuals can

> support expenses through a combination of internal and govt. support,

> I think this is fine...

>

> In the case of the U.S., we will probably be supporting about 12-15

> individuals w/ a budget of \$8,000 (after taking out expenses for

> facilities, and administrative assistant}...

>

> mike

>

> At 10:29 PM 11/6/00 +0100, Hans von Storch wrote:

>> Hi folks (hi folk, for at bruge et skandinavisk sprog), I have a

>> problem with the number of German participants (own funding) ... we

>> have 12, but we aimed at 10. The reason is that we have so many

>> partners in our KIHZ project. Do you think that's a problem? Names are given on the attached

>> webpage. hans <http://w3g.gkss.de/staff/storch/charlotteville.money.htm>

>>--

>>-----

>> Hans von Storch

>> Institute of Hydrophysics; GKSS Research Center

>> Max-Planck-Strasse; 21502 Geesthacht; Germany

>> Phone: +49 {4152} 87-1831; fax: +49 {4152} 87-2832  
>> home fax: +49 4153 582 522 ph + 49 4153 543 36  
>> http://w3g.gkss.de/staff/storch Content-type:  
>>text/html; name=charlotteville.money.htm;charset=us-ascii  
>>Content-disposition: inline; filename=charlotteville.money.htm  
>>Content-transfer-encoding: 7BIT Content-Base:  
>>"http://w3g.gkss.de/staff/storch/charlotteville.money.htm"  
>>Content-location: "http://w3g.gkss.de/staff/storch/charlo  
>>tteville.money.htm" Workshop: "Reconstructing Late Holocene Climate"  
>>in Charlottesville, Va. 17-20 April 2001 Convenors: Mike Mann (U of  
>>Virginia), Hans von Storch (GKSS Research Centre, Germany), Nanne  
>>Weber (K NMI, Netherlands), Heinz Wanner (U of Bern,Switzerland) and  
>>&Oslash;yvind Nordli (Norway) others). We expect costs for  
>> and on-site and preparational organisational work:\$ 2500  
  
>>-travel costs for invitees: \$2500 for UK and others, \$1000 for UK.  
>>Thus,we would need funding of 32,500\$.The following amounts have  
>>been tentatively agreed to:10,000 \$from US agencies  
>>10,000 \$from German agencies (confirmed by Storch)  
>>.5,000 \$from Dutch agencies (confirmed by Weber)  
>> 5,000\$ from Swiss agencies (confirmed by Wanner)  
>> 2,000 \$ from Norwegian agencies (confirmed by Nordli} Additionally,  
>>we could charge a moderate fee from the participants for covering unexpected  
>>costs. this webpage  
>>  
>>Suggested participants form participating partners:  
>> US: M.Mann, R. Bradley,Hughes, J. Overpeck,T. Crowley, E.Cook, R.  
>>Webb, M.Cane, M. Evans,D. Battisti, K. Hughen,J.Lean,J. Cole, H.  
>>Diaz, B. Reichert (15) D:H. von Stoch. F.Gonzalez, J. Jones, M. Widmann,J.  
>>Negendank, A. Schwab, Brathauer, H. Miller, M. Schwager,U.Cubasch, A.

>>L&uuml;cke,D.Handorf (12} NL:N.Weber,G.vander Schrier, H. Renssen,B.

>>van Geel, R. vanderWal (5, max 5) CH: H. Wanner,C.Pfister, T.

>>Stocker, J.Luterbacher (4) N: &Oslash;vind Nordli, Eiliv Larsen and

>>Hans Petter Sejrup, (3 }

>>

>>

>>The Europeans select 9 invitees from this list R. Glaser

>>(W&uuml;rzburg), M. Claussen (D), Barriendos (Barcelona, ES), Brazdil

>>(Brno, CZ), P. Jones, K. Briffa, T.Osborn (UK),J. Guiot (F),J.

>>Beer(?), K.R. Laird, D. Verschuren or F. Gasse (N.African lakes),

>>J.P&uuml;told or T. Felis (Bremen). (Sofar 14)

>>

>>Other participants (no costs)

>>Mark Eakin (NOAA),Steve Coleman (NSF)

>>

>>

>>

>>

>

> Professor Michael E. Mann

> Department of Environmental Sciences,Clark Hall

> University of Virginia

> Charlottesville, VA 22903

>

>e-mail:mann@virginia.edu Phone:(804) 924-7770 FAX: (804) 982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.html>



Hans von Storch

Institute of Hydrophysics;GKSS Research Center

Max-Planck-Strasse; 21502 Geesthacht; Germany

Phone:+49(4152)87-1831;fax: +49(4152)87-2832 home fax: +49 4153 582 522 ph + 49 4153 543 36

<http://w3g.gkss.de/staff/storch>

From: Sent: To:

Subject:

Jonathan Overpeck <jto@u.arizona.edu>

Tuesday, July 03, 2001 4:48 PM Michael E. Mann

Re: FINAL DRAFT EOS MEETING REPORT

<x-flowed>

Hi Mike- I think you're done a good job of soliciting comments etc (to put in mildly) and the product looks better as a result. Thx.

Can you give a brief (ca. 10 minute) overview at the PAGES/CLIVAR mtg? Also, might be good to bring ca. 12 copies

(double sided or

something) of the EOS report to go with your verbal overview.

Make sense? It would also be great to get your help in leading the IPCC discussions- ie where does the IPCC process stand, and what is the state of the art in terms of what is needed from the PAGES/CLIVAR community over the next few years. Thomas Stocker might not make it, so I wanted to warn you.

Thanks! See you soon in a nice place, peck

>Dear All,

>

>I propose we add Martin Widmann to the list of authors as well, given

>his contribution to the discussions. If Eos complains there are too

>many authors, we'll deal w/ that at a later time.

>

>Please let me know within the next 24 hours if you have any final

>comments, and if you do not wish to sign your name to this (ie, either

>you feel you are unworthy, or you are in disagreement w/ the

>content--hopefully not!). Lack of a response will be accepted as your

>blessing of both the content and your co-authorship of the piece.

>

>I will submit this to Eos electronically on Friday, since I will be

>away for the following 10 days, returning (August 16th) too close to

>the 3 month submission deadline.

>

>Thanks for all your help. I think this report is something we can all

>be proud of, and I look forward to more interaction and collaboration

>among the group, including hopefully funding for an international pilot

>project as we propose here. I'll look forward to peoples' further

>thoughts regarding the latter.

>

>Cheers,

>

>mike

>

>

> -

> Professor Michael E.Mann

> Department of Environmental Sciences,Clark Hall

> University of Virginia

> Charlottesville,VA 22903

>

>e-mail: mann@virginia.edu Phone: {804} 924-7770 FAX: {804} 982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.shtml>

>Attachment converted:Macintosh HD:meetingreport-revised.doc

>{WDBN/MSWD) (0001C871)

Jonathan T. Overpeck

Director,Institute for the Study of Planet Earth Professor, Department of Geosciences

Mail and Fedex Address:

Institute for the Study of Planet Earth

715 N. Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721

direct tel: +1520 622-9065

fax: +1520 792-8795 [http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.htm](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.htm) <http://www.ispe.arizona.edu/>

</x-flowed>

From: Sent: To:

Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Tuesday, July 03, 2001 1:49 PM Jonathan Overpeck

mann@virginia.edu

Re: FINAL DRAFT EOS MEETING REPORT

<html>

Hi Peck,<br>

<br>

Thanks--I can bring a bunch of copies of the Eos piece. I already talked to Ellen Mosely Thompson, and she said she'll shepherd it through the review process...<br> <br> Yes,I can give reports on both the C'ville workshop (though the Eos piece might speak largely for itself) and on IPCC. There are also some interesting developments from the latest NOAA CCDD panel meeting that are worth discussing,which we can discuss more informally...<br> <br> talk to you soon,<br>

<br> mike<br> <br> <br> At 01:48PM 7/3/01-0700, you wrote:<br> <blockquote type=cite class=cite cite>Hi Mike - I think you're done a good job of soliciting comments etc (to put in mildly) and the product looks better as a result. Thx.<br> <br> Can you give a brief (ca. 10 minute) overview at the PAGES/CLIVAR mtg? Also, might be good to bring ca.

12 copies (double sided or something) of the EOS report to go with you verbal overview.<br> <br> Make sense? It would

also be great to get your help in leading the IPCC discussions - ie where does the IPCC process stand, and what is the state of the art in terms of what is needed from the PAGES/CLIVAR community over the next few years. Thomas Stocker might not make it, so I wanted to warn you.<br> <br> Thanks! See you soon in a nice place, peck<br> <br> <blockquote type=cite class=cite cite>Dear All,<br> <br> I propose we add Martin Widmann to the list of authors as well, given his contribution to the discussions. If Eos complains there are too many authors, we'll deal w/ that at a later time.<br> <br> Please let me know within the next 24 hours if you have any final comments, and if you do not wish to sign your name to

this (ie, either you feel you are unworthy, or you are in disagreement wf the content--hopefully not!).Lack of a response

will be accepted as your blessing of both the content and your co-authorship of the piece.<br> <br> I will submit this to Eos electronically on Friday, since I will be away for the following 10 days, returning (August













-----  
  
From: Sent: To:

Subject:

Jonathan Overpeck <jto@u.arizona.edu> Monday, July 02, 2001 12:47 PM

jto@u.arizona.edu; Jean-Claude.Duplessy@lsce.cnrs-gif.fr; keith.alverson@pages.unibe.ch;  
villwock@plotin.ifm.uni-kiel.de; jouzel@lsce.saclay.cea.fr; k.briffa@uea.ac.uk; martin.claussen@pik-  
potsdam.de; jcole@geo.arizona.edu; mann@multiproxy.evsc.virginia.edu; stocker@climate.unibe.ch

PAGES/CUVAR Meeting July 14 Amsterdam

<x-html>

<!doctype html public "-//W3C//DTD W3 HTML//EN"> <html><head><style type="text/css"><!-- blockquote,  
dl,ul,ol, li {

margin-top:0;margin-bottom: 0} -></style><title>PAGES/CLIVAR Meeting July 14  
Amsterdam</title></head><body>

<div>Hiall - Attached as a MS Word doc { and also below as text) is a draft agenda for our meeting in  
Amsterdam on the

14th of July. The PAGES office will let us all know where the meeting is (with directions, we hope).

The attached draft is just that - a draft. Please feel free to let us know if you would like anything added, deleted or changed.

PLEASE NOTE that we have assigned leaders for each presentation. We hope there will be a overhead projector at our meeting place, and you should come prepared to make a brief presentation where noted in the agenda {overheads are optional}.  
We look forward to seeing you in Amsterdam, and also to hearing from you if you have any comments. Note that any comments should be sent by this Friday. Also note that we'll start the meeting by finalizing the agenda, so it's never too late!  
Thanks, Peck and Jean-Claude

Meeting of the PAGES/CLIVAR Working Group  
July 14, 2001  
Amsterdam  
DRAFT  
AGENDA  
Meet&nbsp;8:30AM to

4:30PM; with breaks

1) Welcome, finalize agenda {Overpeck and Duplessy}

2) Report on CLIVAR progress (Jouzel and Villwock)

3) Report on relevant PAGES progress {and IGBP reorganization} (Aiverson)

4) reports from recent P/C activities  
a) European Holocene workshop {Briffa}

b) Virginia Holocene workshop {Mann}

c) US NAS Abrupt Change Study (Stocker and Overpeck)

d) NASA Decadal Variability Mtg and Program {Mann, Cole, Overpeck}

e) PMIP progress&nbsp; {Jouzel?}

f) IPCC Update, including what's going to be needed for next one {Mann, Stocker, all}

g) US CLIVAR/PAGES {Overpeck}

h) ESF 'holivar' initiative (Aiverson)

i) what else? Other national reports?

4) reports on P/C activities planned for next 18 months

a) European Abrupt Change Mtg {Duplessy and Aiverson}

b) Drought Meeting (Overpeck)

c) Norwegian mtgs (Duplessy and Overpeck)

d) North Atlantic mtgs (Aiverson, Duplessy and Overpeck)

e) others?



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[http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html) <http://www.ispe.arizona.edu/>

From: Sent: To:

Subject:

Jonathan Overpeck <jto@u.arizona.edu> Wednesday, June 13, 2001 3:00 PM Michael E. Mann

Re: oops. Here is the attachment.

<x-flowed>

Mike - well written. Cheers,Peck

Jonathan T. Overpeck

Director,Institute for the Study of Planet Earth Professor,Department of Geosciences

Mail and Fedex Address:

Institute for the Study of Planet Earth

715 N. Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721

direct tel: +1520 622-9065 fax: +1520 792-8795 [http://www.geo.arizona.edu/Faculty\\_Pages/Overpeck.J.html](http://www.geo.arizona.edu/Faculty_Pages/Overpeck.J.html)  
<http://www.ispe.arizona.edu/>

</x- flowed>

From: Sent: To:

Cc:

Subject:

Keith Alverson < keith.alverson@pages.unibe.ch> Monday, November 06, 2000 6:48 AM

Jonathan Overpeck; Jean Claude Duplessy; abeouchi@ccsr.u-tokyo.ac.jp; Keith Briffa; mcane@ldeo.columbia.edu; martin.claussen@pik-potsdam.de; Julia Cole; michael.gagan@anu.edu.au; syljous@asterix.saclay.cea.fr; jouzel@lsce.saclay.cea.fr; mann@virginia.edu; Thomas Stocker; Andreas Villwock

John Gould; tonyb@essic.umd.edu; Carson\_D@gateway.wmo.ch clivar/pages working group meeting July 14, 2001 Amsterdam

Dear CLIVAR/PAGES working group members,

I can now confirm that we will be holding a daylong organizational meeting of the CLIVAR/PAGES Working Group in Amsterdam on July 14, the day after the Open Science Meeting. My current understanding of the status of your attendance and the upper limit of your reimbursement requirements are in the accompanying excell sheet.

In addition, I recommend that you have a look at the open science meeting website and on-line registration form (<http://www.sciconf.igbp.kva.se/>). I am organizing one parallel session on ENSO past and future under the auspices of CLIVAR/PAGES with hopefully some contributed material from the human dimensions side as well. The information on this session is attached as a word98 file. Note: If you are surprised or upset about either being, or not being, listed as a speaker please inform me, we have only 3 invited talk spots and 4 contributed talk spots, everything else is posters.

I request that each of you get back to me with the following information as soon as possible:

1. A statement indicating how likely you are to attend this meeting of the working group, and what your anticipated costs are.
2. Any items you would like to see on the agenda for discussion.
3. Any guests you think should be included in the meeting (especially if they plan to be in Amsterdam for the congress anyway).
4. Any suggestions for the ENSO session.

Thanks, Keith

cc: John Gould, David Carson, Tony Busalacchi

Keith Alverson  
Science Officer  
IGBP-PAGES International Project Office  
Barenplatz 2  
3011 Bern  
Switzerland

Tel: +41 31312 3133

Fax: +4131312 3168

Email: [alverson@pages.unibe.ch](mailto:alverson@pages.unibe.ch) <http://www.pages.unibe.ch>

Attachment Converted: C:\Program Files\Eudora\Attach\cfivarpageswg.xls

Attachment Converted: C:\Program Files\Eudora\Attach\ensosession.doc

From: Sent: To: Cc:

Subject:

Michael E. Mann <mann@virginia.edu> Sunday, October 29, 2000 1:42 PM Hans.von.Storch@gkss.de

Michael E. Mann

Re: charlotteville

Hi Hans,

Yes, unfortunately, as I warned, I am \*extremely\* busy this semester, and thus it is impossible for us to make too much progress w/out some administrative support, etc. I cannot perform the organizational tasks for this workshop without considerable help. This is why I am seeking to secure the NSF support soon, so we can hire an administrative assistant.

With regard to your specific comments about participatns, etc., apparently we may have a misunderstanding here, particularly with regard to the distinction between "participants" and "invitees". I have been following what I believe is the standard procedure for previous PAGES/CLIVAR meetings, which is what I see this as being.

In these cases, a list of participants has been agreed upon beforehand by the planners, and there is in fact no distinction between "participants" and "invitees" in general that I am familiar with in past meetings, though certain participants often have more prominent speaking roles. The group of participants are invited, and the available funding distributed among the subset (hopefully large) that respond positively to that invitation (in the case of the 16 or so U.S. participants I have listed, most have informally indicated to me that they can come. Incidentally, some of the Europeans on the list, e.g. Tim Osborn, have informally indicated to me that they probably cannot make it.

I have assumed from the start that we would have 40-50 total participants, with the breakdown among countries (or "partners" as you term it) discussed earlier, and would use the available funding to support as uniformly as possible among all participants. For administrative reasons, it appears that it will probably be easiest to use the funding internally within the participating countries, which works out just about right. This gives us about 8K (10K provided by NSF-2K for administrative support and facilities costs) for about 16 U.S.



participants, or an average of \$500 per participant, which should be appropriate.

I'm assuming that the other support available from the participating European partners can then be used to defray costs for European participants, with hopefully a modest additional contribution from the European partners towards administrative and facilities support for the Charlottesville meeting). I would happily leave it up to each of the partners to decide how this is best accomplished.

Hopefully this clarifies things. Please let me know if there is still a communication gap with respect to the above. Thanks,

mike

At 05:14PM 10/29/00 +0100, Hans von Storch wrote:

>Dear Mike,

>

>the speed of progress with planning our meeting is a bit bumpy. It

>seems that the money problems are solved, but we have some

>misunderstandings concerning participants.

>SO far we said that we have two groups, namely participants from the

>various partners, and invitees. The partner would essentially pay for

>their participants, whereas the funds would be used for the travel

>costs of the invitees plus general organisation costs.

>

>That means, the partners have to list "their" participants. Nanne and

>Heinz the two groups. Do you think that you could come up with a list

>of "your" participants, so that we all together can agree on the list

>on invitees. As long as we do not know who of the North Americans is

>coming (or is assumed to come) in any case, we can not really discuss

>the invitee list.

>

>Attached please find the latest planning.

>

>Regards

>

>Hans

>

>

>

><http://w3g.gkss.de/staff/storch/charlotteville.money.htm>

>--

>-----

> Hans von Storch

> Institute of Hydrophysics;GKSS Research Center

> Max-Planck-Strasse; 21502 Geesthacht;Germany

> Phone: +49 (4152) 87-1831; fax: +49 (4152) 87-2832

> home fax:+49 4153 582 522 ph+ 49 4153 543 36

>

><http://w3g.gkss.de/staff/storch>

>

>

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>charset=us-ascii

>Content-disposition: inline; filename=charlotteville.money.htm

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> <meta name="Author" content="Hans von Storch">

> <meta name="GENERATOR" content="Mozilla/4.73 [en] (X11; U;SunOS

>5.5.1

sun4m) [Netscape]">

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><body text="#000000" bgcolor="#FFFFFF" link="#0000FF" vlink="#FF0000" alink="#000088">

><font size=+2>Workshop: "Reconstructing Late Holocene Climate"</font>

><p>in Charlottesville, Va.

><p>17-20 April 2001

>

><p><u>Covenors:</u> Mike Mann (U of Virginia), Hans von Storch (GKSS

>Research Centre, Germany), Nanne Weber (KNMI, Netherlands), Heinz

>Wanner (U of Bern,

>Switzerland) and &Oslash;yvind Nordli (Norway)

>

><p>We expect about 50 participants, about 35 would come from various

>interested partners (for instance: 10 US, 10 German, 5 Dutch, 5 Swiss

>and 3 Norwegian

>+ 2 others). These participants would cover their own travel costs.

>+Another

>15 participants would be invited (for instance 5 US, 5 UK, &nbsp;others).

><p>We expect costs for

><br>- local arrangement&nbsp; and on-site and preparational

>organisational

>work: \$ 2500

><br>- travel costs for invitees: \$2500 for UK and others, \$1000 for UK.

><p>Thus, we would need funding of 32,500\$.

><p>The following amounts have been tentatively agreed to:

><p>10,000 \$ from US agencies



>ES),

Brazdil (Brno,CZ),P. Jones,K. Briffa,T. Osborn (UK),J. Guiot (F),T. Delworth (US), J.Beer(?) M. Barriendos  
(?), K.R. Laird,D. Verschuren or F. Gasse (N.African lakes), Bernhard Reichert,J.Patzold or T.Felis (Bremen).

>

>(10)

>

>

><br><br><u>Other participants</u> (no costs) <br>Mark Eakin (NOAA),

>Steve Coleman (NSF)

>

><br>&nbsp;

><br>&nbsp;

><br>&nbsp;

><br>&nbsp;

></body>

></html>

>

Professor Michael E.Mann

Department of Environmental Sciences,Clark Hall

University of Virginia

Charlottesville,VA 22903

e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137

[http://www.evsc.virginia.edu/faculty Ipeople/mann.html](http://www.evsc.virginia.edu/faculty/Ipeople/mann.html)

From: Sent: To:

Subject:

Brendaw Morris <brendawmorris@earthlink.net> Monday, February 26, 2002:18 PM

Michael E. Mann

Re: Workshologistics

Yes, the Smith paper is yours to keep. I have the original.

There were 2 more packages in your mailbox from Dr. Randall's office so I took the liberty of picking them up. I'll get to them and return them to you within a couple of days.

Thanks, Brenda

-----Original Message-----

From: "Michael E. Mann" <mann@multiproxy.evsc.virginia.edu> To: Brendaw Morris <brendawmorris@earthlink.net>

Sent: February 26, 2001 12:48:51 PM GMT Subject: Re: Workshop logistics

Hi Brenda,

THanks will go over and make some modest modifications, and return to you a bit later. Thanks, mike

p.s. just checking: the folder/smith manuscript you put in my mailbox is a duplicate, and mine to keep, right? Should

have the official decision for you later on...

At 06:52 AM 2/26/01-0500, you wrote:

>Mike, Here is my attempt at the invitation. Let me know if you Have

>any suggestions for changes, additions,or deletions. Also,I am including part of my Excel spreadsheet that has the information (as I have it) on the people that are invited. I assume that we will get a list from the Europeans so that their invitees can be included in this database.

>

>I have the menu and after I find out the participants' needs,we can

>talk

about it. Unfortunately, neither the Red Roof Inn or Best Western has a shuttle service. Both suggested that we contact "Van on the Go",an independent shuttle service. I'll try to do that this afternoon, but I wonder if we really have the money for this service. Wouldn't it probably be better for anyone that prefers not to walk, to just call a cab. They can

be reimbursed for that expense? I could alert several cab companies that they could expect a volume of calls on those days. Ideas??

>

>Registration Fee: There will be a \$35.00 conference registration fee.

Please send your registration fee to (MIKE,HOW DO YOU WANT TO HANDLE THIS?)

>

>

>

>\*\*\*\*\*

>WORKSHOP:'RECONSTRUCTING LATE HOLOCENE CLIMATE'

>

>We are pleased to invite you to the workshop 'Reconstructing Late

Holocene Climate',in Charlottesville, Virginia,17-19 April 2001. The aim of this workshop is to investigate current applications of statistical, empirical and model-based methods to the general problem of paleoclimate reconstruction over the past 1000 to 10,000 years.

>

>Issues of key importance to PAGES/CLIVAR shall be addressed, and the meeting is framed as a PAGES/CLIVAR event. These include:

>

>i) The range of data available for paleoclimate reconstruction and

assimilation with numerical models,limitations and strengths in the data both spatially, seasonally, and in terms of frequency-domain fidelity,temporal resolution, and temporal extent,

>ii) Model-based paleoclimate data assimilation and downscaling approaches, and

>iii) Applications of palaeoclimate reconstruction: e.g. variability of the North Atlantic Oscillation, Antarctic Oscillation, and ENSO.

>

>It is anticipated that approximately 50 scientists from Europe and

>North

America shall attend. Limited funding is available to cover the expenses of participants. Thus, it would be appreciated if participants could use alternative funding, if available, to cover part of the costs. For planning it would be helpful if participants could provide a rough estimate of anticipated costs.

>

> The following are responsible for the workshop are:

> Michael Mann, U of Virginia, USA (mann@virginia.edu)

> Hans von Storch, GKSS Research Centre, Germany (storch@gkss.de)

> Nanne Weber KNMI, The Netherlands (weber@knmi.nl)

> Heinz Wanner, U of Bern, Switzerland (wanner@giub.unibe.ch)

>

> For further information about the workshop see:

<http://w3g.gkss.de/staff/storch/charlotteville.0401.htm>

>

>

>Spring is such a beautiful time of the year in Charlottesville, with

pleasant and generally warm and sunny days. Ample opportunities for sightseeing and recreational activities are available for those participants who are interested. Please log on to [www.virginia.edu](http://www.virginia.edu) and then choose "Things to Do/UVA News". There is a list of scheduled events and also listing of area historical places in the surrounding area of Charlottesville.

>

>Flights:

>

>You should have received information from Jennifer Giesler regarding

>the

reimbursement of your travel expenses. Funding for travel is limited and individuals are expected to supplement costs with other available funds.



There is a maximum level of roughly \$650 reimbursement available per person, with possible exceptions for individual in need. You must have all receipts for all activities or you will not be reimbursed. The policy is STRICTLY followed: per diem is not paid-receipts ARE needed for meals.

Items such as car rentals, alcohol, and museum tickets are not covered.

You are funded through NSF and as you know they have strict rules for the use of their funds.

>

>You can book the airfare yourself or you can book your ticket through

>your

travel agent and have the ticket direct-billed to AGU. Please let Jennifer know if you want this latter option. Charlottesville does have an airport

(CHO) and we have a fair amount of flights in and out of Charlottesville.

Some of the international flights may have to be routed through Washington, D.C. and then take a flight into Charlottesville.

>

>

>Here are informational points:

>

>Meeting Location(s):

>

>The meeting will be held on-grounds of the University of Virginia. We

have reserved the "South Meeting Room" at UVA's Newcomb Hall from 8:00a.m.

- 5:00p.m. for April 17, 18 & 19. We also have reserved the Odum Room in Clark Hall for Friday, April 20.

Friday's reservation may not be needed, but just in case some participants want to stay for an informal meeting on Friday, we will have accommodations available.

>

>Hotels:

>

> We have 20 rooms reserved at the Best Western Cavalier Inn for

arrival on April 16 and departure on April 20. You MUST confirm your reservation individually by March 16, 2001 and charge to your credit card.

The phone number is 1-804-296-8111. Doris Roach is the contact person.

(You must tell Cavalier Inn that you want a room in the RLHC block). The cost will be \$59 plus 9% tax per day.

> The Best Western hotel is within walking distance of the meeting.

However, we are trying to arrange a shuttle or will alert the local cab companies that they may be receiving a large volume of calls for those days.

>

> We also have 45 rooms reserved at the Red Roof Inn for arrival on

>April

16 and departure on April 20. You MUST confirm your reservation individually by March 16, 2001 and charge to your credit card. The phone number is 1-800-874-9000. Demetrius Caldwell is the contact person.(You must tell Red Roof that you want a room in the RLHC block). This hotel is

a bit further than the Best Western Cavalier Inn. The cost will be

\$59.99 plus 9% tax per day.

> Again, we are trying to arrange a shuttle or will alert the local

>cab

companies that they expect a volume of calls for those days.

>

>Meals and Food:

>

>We will provide lunches on Tuesday, Wednesday and Thursday. If you

>have

special dietary needs or other considerations, please inform me so that I can arrange meals that will be appropriate for you.

>

>We hope you will plan to attend this workshop. Please respond to

>Brenda

Morris at [brendawmorris@earthlink.net](mailto:brendawmorris@earthlink.net).

>

>

>

>\*\*\*\*\*

>

>

>

>Mike, HERE IS THE DATABASE-Will not be included with the invitation!/  
>Are

there any others that I do not have on this list?

>

>

>

>Title First Name Last name E-mail Invited by SupportAmt of support

>Dr. D. Battisti david@atmos.washington.edu Verardo Dr. R Bradley  
rbradley@geo.mass.edu Verardo

>Dr. M. Cane mcane@ldeo.columbia.edu Verardo

>Dr. J. Cole jcole@geo.arizona.edu Verardo

>Dr. E. Cook drdendro@ldeo.columbia.ed Verardo

>Dr. T. Crowley tom@ocean.tamu.edu Verardo

> BarbaraDeluisi barb@cdc.noaa.gov

>Dr. C. MarkEakin mark.eakin@noaa.gov Verardo ESH

>Dr. M. Evans mevans@ldeo.columbia.edu Verardo

>Dr. K. Hughen khughen@whoi.edu Verardo

>Dr. M. Hughes mhughes@ltr.arizona.edu Verardo

>Dr. Jones Julie M.jones@gkss.de

>Dr. Alexey Kaplan alexeyk@rosie.ldgo.columbia.edu Mike Mann No support needed

>Dr. K a te Laird lairdk @biology.queensu.ca Julie Jones

>Dr. J. Lean jlean@ssdS.nrl.navy.miiVerardo

>Dr. Juerg Luterbacher juerg@giub.unibe.ch

>Dr. MichaelMann mann@virginia.edu

>Mr. Chris Moy Notify Eakin Eakin

>Dr.

>Dr.

J .

B.

Overpeck

Reichart

jto@u.arizona.edu reichert@dkrz.ed

Verardo

Verardo

>Dr.

Hans

Renssen

Nanne Weber

>Dr.

E.

Sarachik

Sarachik@atmos.wash

ington.edu

Verardo

>Dr.

Gerard van der Schrier

Nanne Weber

>Dr.

David Verardo

Dverardo@nsf.gov

Verardo

NSF

>Dr. Hans von Storch Storch@gkss.devon Storch

>Dr. Frederieke WagnerWeber@knmi.nl Nanne Weber

>Dr. Heinz WannerWanner@giub.unibe.ch

>Dr. R. Webb Rwebb@cdc.noaa.gov Verardo

>Dr. S. L (Nanne) Weber Weber@knmi.nl Nanne Weber Dr. Harvey Weiss

Leilan@pantheon.yale.edu Mike Mann (Mike will take care of this)

>Dr. C Woodhouse Woodhouse@ngdc.noaa.gov Verardo NOAA

>Mr. Oyvind Nordli Oyvind.Nordli@dnmi.no

>

>

>

>Covenors:

> Michael Mann,U of Virginia, USA (mann@virginia.edu) GKSS Research Centre,Germany  
(storch@gkss.de)

> Nanne Weber KNMI, The Netherlands {weber@knmi.nl} Bern,Switzerland (wanner@giub.unibe.ch)

>

>

>

>

>

Hans von Storch, Heinz Wanner, U of

Professor Michael E. Mann

Department of Environmental Sciences, Clark Hall

University of Virginia

Charlottesville, VA 22903

e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137  
<http://www.evsc.virginia.edu/faculty/people/mann.html>

From: Sent: To:

Subject:

Gabi Heger! <hegerl@bjerkn.es.tamu.edu> Thursday, February 01, 2001 10:38 AM Michael E. Mann  
hi, a question

Dear Mike,

Hope you are well! Tom told me you are organizing a real interesting workshop in April, sounds like fun. I have been toying with the idea of coming along, but think would be too complicated with the baby.

The reason I am writing is that John is finalizing references for our IPCC chapter. Could you please update me on the status of the following paper:

Mann, M.E., Gille, E., Bradley, R.S., Hughes, M.K., Overpeck, J.T., Keimig, F.T., and Gross, W.S., Global Temperature

Patterns in Past Centuries: An interactive presentation, Earth Interactions, submitted, 2000. \*\*

Thanks in advance! Gabi

Gabriele Heger!

Dept. of Oceanography, Texas A&M University College Station, TX 77843-3146

979-458-3274 979-847-8879 (fax) NOTE NEW AREA CODE!

email: hegerl@bjerknes.tamu.edu

(word attachments: ghegerl@ocean.tamu.edu) <http://bjerknes.tamu.edu/hegerl/index.html>

From: Sent: To:

Subject:

mhughes@ltrr.arizona.edu

Monday, October 23, 2000 4:46 PM rbradley@geo.umass.edu; mann@multiproxy.evsc.virginia.edu Fwd: Letter of Intent - NOAA C&GC Program

----- Forwarded message from Chris Miller <millier@ogp.noaa.gov> -- Date: Mon, 23 Oct 2000 14:50:52 -0400

From: Chris Miller <millier@ogp.noaa.gov>

Reply-To: Chris Miller <millier@ogp.noaa.gov> Subject: Letter of Intent - NOAA C&GC Program To: malcolm-hughes@ns.arizona.edu

Dear Dr. Hughes:

I am pleased to inform you that we encourage you to submit a proposal for the project outlined in your letter of Intent entitled:

"Detection, Distribution, and Analysis of Quasi-periodic Features in the Climate System at Time Scales Approaching the length of the Instrumental Record."

For reference purposes, this project has been assigned number GCOI-023 in our internal proposal tracking system. Funds available for the coming cycle will be significantly less than we had hoped earlier in the year. Because of this, we

have restricted encouraged proposals to a small number that appear to address our most immediate priorities.

However, even for the limited number of encouraged projects, the competition for funding will be keen, and we can envision a number of proposals reviewing well

but going unfunded because of the lack of resources. Proposals with a budget profile of less than \$100.0K/year will probably have the best chance of being funded.

For details regarding the proposal submission procedures, please refer to the OGP FY 2001 Program Announcement, which is online at:

<http://jwww.ogp.noaa.gov/c&gc/ao/2001/fy2001.htm>

We hope that you will proceed with a full proposal, and remind you that it must be received at the NOAA Office of

Global Programs no later than November 30, 2000. Sincerely,

Christopher Miller, Ph.D

Program Officer

Climate Change Data and Detection

----- End forwarded message-----

From: Sent: To:

Subject:

Hans.von.Storch@gkss.de on behalf of Hans von Storch <Hans.von.Storch@gkss.de> Sunday, October 29, 2000 11:14 AM

Michael E.Mann

charlotteville



Dear Mike,

the speed of progress with planning our meeting is a bit bumpy. It seems that the money problems are solved, but we have some misunderstandings concerning participants.

SO far we said that we have two groups, namely participants from the various partners, and invitees. The partner would essentially pay for their participants, whereas the funds would be used for the travel costs of the invitees plus general organisation costs.

That means, the partners have to list "their" participants. Nanne and Heinz the two groups. Do you think that you could come up with a list of "your" participants, so that we all together can agree on the list on invitees. As long as we do not know who of the North Americans is coming (or is assumed to come) in any case, we can not really discuss the invitee list.

Attached please find the latest planning. Regards

Hans

<http://w3g.gkss.de/staff/storch/charlotteville.money.htm>

Hans von Storch

Institute of Hydrophysics; GKSS Research Center

Max-Planck-Strasse; 21502 Geesthacht; Germany

Phone: +49(4152)87-1831; fax: +49(4152)87-2832 home fax: +49 4153 582 522 ph+ 49 4153 543 36

<http://w3g.gkss.de/staff/storch>

Content-type: text/html;name=charlotteville.money.htm; charset=us-ascii

Content-disposition: inline; filename=charlotteville.money.htm

Content-transfer-encoding: 7BIT

Content-Base: "http://w3g.gkss.de/staff/storch/charlotteville.money.htm" Content-Location: "http://w3g.gkss.de/staff/storch/charlotteville.money.htm"

<!doctype html public "-//w3c//dtd html4.0 transitional/en"> <html> <head>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">

<meta name="Author" content="Hans von Storch">

<meta name="GENERATOR" content="Mozilla/4.73 [en] (X11; U;SunOS 5.5.1sun4m) [Netscape]"> </head>

<body text="#000000" bgcolor="#FFFFFF" link="#0000FF" vlink="#FF0000" alink="#000088">

<font size=+2>Workshop: "Reconstructing Late Holocene Climate"</font> <p>in Charlottesville, Va.

<p>17-20 April2001

<p><u>Covenors:</u> Mike Mann (U of Virginia), Hans von Storch (GKSS Research Centre,Germany), Nanne Weber

(KNMI, Netherlands), Heinz Wanner (U of Bern, Switzerland) and Oslash;yvind Nordli (Norway)

<p>We expect about 50 participants, about 35 would come from various interested partners {for instance:10 US,10

German,5 Dutch,5 Swiss and 3 Norwegian

+ 2 others). These participants would cover their own travel costs.

+Another

15 participants would be invited {for instance 5 US,5 UK, 5&nbsp;others).

<p>We expect costs for

<br>- local arrangement&nbsp; and on-site and preparational organisational work:\$ 2500

<br>- travel costs for invitees:\$2500 for UK and others, \$1000 for UK.

<p>Thus, we would need funding of 32,500\$.

<p>The following amounts have been tentatively agreed to:

<p>10,000 \$from US agencies

<br>10,000 \$from German agencies { confirmed by Storch} <br>&nbsp;5,000\$ from Dutch agencies  
{ confirmed by

Weber) <br>&nbsp;5,000 \$from Swiss agencies (confirmed by Wanner} <br>&nbsp; 2,000 \$ from Norwegian  
agencies

{ confirmed by Nordli) <p>Additionally, we could charge a moderate fee from the participants for covering  
unexpected costs.

<p>Purpose and scope of the workshop are described in&nbsp; <a

href="http://w3g.gkss.de/staff/storch/charlotteville.0401.htm">this webpage</a>

<br>&nbsp;

<br>

<u>Suggested participants form participating partners:</u> <br>

<p>US: R. Bradley, Hughes,J. Overpeck,T.Crowley,E. Cook, R. Webb, M. Cane,M. Evans, D. Battisti, K.  
Hughen. D. Rind,

J. Lean, J. Cole, E. Sarachik,C. Woodhouse, T. Delworth, H. Diaz, {max 10}

<p>D: H. von Stach. F. Gonzalez,J. Jones, M.Widmann,J. Negendank, H.Milller,M. Schwager {7, max 10}

<p>NL: N. Weber, G.vander Schrier, H.Renssen,B. van Geel,R. vanderWal {5, ,max 5}

<p>CH: H. Wanner, C. Pfister,T. Stocker,J. Luterbacher { 4, max 5}

<p>N: &nbsp;Nordli(1; max 3)

<br><br><br><u>Suggested invitees</u>

<br>R. Glaser {W&uuml;rzburg), M. Claussen (D), Barriendos {Barcelona, ES), Brazdil (Brno,CZ), P.Jones, K.Briffa,T. Osborn (UK), J. Guiot (F), T. Delworth (US),J. Beer(?) M. Barriendos {?}, K .R. Laird,D. Verschuren or F. Gasse {N.African lakes), Bernhard Reichert,J.Patzold or T. Felis (Bremen) .

{10}

<br><br><u>Other participants</u> (no costs) <br>Mark Eakin (NOAA), Steve Coleman (NSF)

<br>&nbsp;

<br>&nbsp;

<br>&nbsp;

<br>&nbsp;

</body>

</html>

From: Sent: To:

Subject:

Petr Chylek < Petr.Chylek@noaa.gov> Friday, April 20, 200112:25 PM mem6u@virginia.edu

Climate

Dear Michael:

I would like to bring to your attention a very special Conference, co-sponsored by the American Meteorological Society and the Canadian Meteorological and Oceanographic Society, to take place in Halifax, Nova

Scotia, August 20-24,2001,under the title of

"The First International Conference on Global Warming and The Next Ice Age"

The invited review talks will be presented by many top experts from different fields of climate change. The topics will include: ice core climate records, solar variability, surface and satellite temperature measurements, bore holes temperature records, climate of the polar regions, natural climate variability,NAO, ENSO, thermohaline circulation, timing of the next ice age, paleoclimate, climate models and observations,and other climate related topics.

The list of invited speakers includes: Jim Hansen (NASA-GJSS), Hartmut Grassl (Max-Planck, Hamburg),Thomas Karl (NOAA-NCDC), Andre Berger (Louvain, Belgium), J. R. Petit {Grenoble), Jim Hurrell {NCAR),Jim White (CU), William Gray (CSU}, Judy Lean (NRL}, George Kukla (LDEO-Columbia), Charles Perry (USGS), Lloyd Keigwin (WHOI), John Christy (UAH), Allyn Clarke (BIO),Richard Peltier {U Toronto),Bruce Douglas (U Maryland}, W.Sturges {FSU), Roger Pielke (CSU), Betsy Weatherhead (NOAA-ARL), S. Thompson (OSU), Jerry North (TAMU),Jan Veizer (U Ottawa), Mark Serreze {CU), and few others. This will be an exciting meeting with plenty of time for discussions.

The deadline for abstract submission is APRIL 30, 2001.

Post deadline papers will be accepted until AUGUST 1, 2001for poster presentation; or just come to participate in discussions.

Additional information, registration instruction and updates can be found on our website [www.atm.dal.ca](http://www.atm.dal.ca)

Looking forward to see you at the Conference. Best regards,

Petr Chylek

Chair,Organizing Committee

From: Sent: To:

Subject:

Lucia Katz <lucaia@cdc.noaa.gov> Wednesday, May 15, 2002 4:14 PM

'Alexy';'David Meko';'David Stahle';'Ed'; 'Greg';'Malcom';'Michael';'Ray ';'Tom'

FW:19th Century workshop

Follow Up Flag: Flag Status:

Follow up

Flagged

Hello,

If you have not done so already, please complete the CAMS payment form for travel expense reimbursement. For your convenience I have attached the document in a word file. Once it is completed please sign it and mail it back to me. Thank you,

Lucia Katz

NOAA, R/CDC

Climate Diagnostics Center

325 Broadway

Boulder, CO 80305

303-497-6188

Lucia @cdc.noaa.gov

Attachment Converted: "C:\WINDOWS\DESKTOP\Attach\CAMS PAYMENT PROFILE FORM.doc"

From: Sent: To:

Cc:

Subject:

Jonathan Overpeck <jto@u.arizona.edu> Sunday, October 31, 1999 12:16 PM Michael E. Mann

Keith Alverson

Re: venice

>Hi Mike- Keith sounds like he's trying hard to find the projector, and  
>I'm hoping he will succeed as I'd like to show the drought animation we  
>have too. Does your dept have one you could bring? I'm seeing if I can  
>take my UA one, but right now it's reserved for the Climate Diagnostics  
>Workshop all week. Best we try every angle.  
>Keith will be checking around Bern. Thx, Peck

>Hi Keith,

>

>Hmmm. That's unfortunate news indeed. If there is no projector, then there,

>as far as I can imagine,is no possibility of projecting the animation onto  
>a screen anyways, so the ethernet connection, etc. would be a moot point.  
>Please let me know ifthere is any update in status. Thanks....mike

>

>At 06:03 PM 10/28/99 +0200, Keith Alverson wrote:

>>Hi Mike,

>>

>> Projector was ordered but they claim it is unlikely to arrive.

>>

>> ethernet is promised, but I am not sure where exactly,maybe in a small  
>>room somewhere? An 'old' machine will be attached to it for email.

>>

>> A general email will be sent out as soon as I have the program from Peck.

>>

>>Keith

>>

> »Hi Keith,

> >>

>>»Any updates in the status of what facilities will be available, as we near  
>>»the date of the conference? I am working w/ Ed Gille at NGDC in Boulder to  
>>»see if I can get the animation I seek to do self-contained on a zip disk  
>>»(along w/ my presentation) that I could give off any PC laptop running  
> »Windows95. If necessary can bring my laptop itself. If an ethernet  
>>»connection is available, that will simply things dramatically since I can  
>>»run the animation off of NGDC's own website.

> >>

>>»The key thing, however, is knowing whether or not an electronic hookup (ie,  
>>»an LCD projector which connects to a peripheral laptop) will be available.  
>>»The more I know about available facilities before I leave (Nov 6th) the



>>better off I can plan for the event. I think this is probably true for many  
>>other participants, so perhaps a message updating everyone on available  
>>facilities might be helpfu. Please advise when you have the chance.

>>>

>>Thanks a bunch,

>>>

>>mike

>>>

>>At 09:30AM 9/15/99 +0200,you wrote:

>>>>Mike,

>>>>

>>>We hope to have (but I cannot guarantee at this point) an ethernet  
>>>connection for people to use their laptops with, also possibly an "old"  
>>> machine capable of running email software (I have not seen this  
>machine but  
>>>people in Venice tell me it exists). Maybe netscape will work on  
>it. I hope  
>>>this information helps.

>>>>

>>>Keith

>>>>

>>>We hope to have a supplementary interactive presentation available if  
>>>>computer facilities allow...

>>>>>

>>>> et me know what you think. Thanks,

>>>>>

>>>>>mike

>>>>

>>>>

>

-

>>>

>>>Keith Alverson,Science Officer e-mail: alverson@pages.unibe.ch

>>>PAGES International Project Office Phone: +4131312 3133

>>>Barenplatz 2, CH-3011 Fax:+4131312 3168

>>>Bern,Switzerland

>http://www.pages.unibe.ch/

Internet:

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Professor Michael E. Mann

Department of Environmental Sciences,Clark Hall

University of Virginia

Charlottesville,VA 22903

>>>

> »e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX:(804) 982-2137

> » <http://www.evsc.virginia.edu/faculty/people/mann.html>

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>>Keith Alverson,Science Officer e-mail: alverson@pages.unibe.ch

>>PAGES International Project Office Phone: +4131312 3133

>>Barenplatz 2, CH-3011 Fax:+4131312 3168

>>Bern,Switzerland

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Internet: <http://www.pages.unibe.ch/>

> Professor MichaelE.Mann

> Department of Environmental Sciences, Clark Hall  
> University of Virginia  
> Charlottesville, VA 22903  
>

>e-mail: mann@virginia.edu Phone: (804) 924-7770 FAX: (804) 982-2137

> <http://www.evsc.virginia.edu/faculty/people/mann.html>

Jonathan T. Overpeck

Director, Institute for the Study of Planet Earth

Professor, Department of Geosciences

715 N. Park Ave. 2nd Floor University of Arizona Tucson, AZ 85721 tel: +1520 622-9062

direct tel: +1520 622-9065

fax: +1520 792-8795

From: Sent: To:

Subject

Michael E. Mann <mann@virginia.edu> Thursday, May 25, 2000 3:41PM

Cindy Allen

Re: 99/00 Annual Report Reminder

Hi Cindy,

Here they are:

. Mann, M.E.,Bradley,R.S. and Hughes, M.K.,Northern Hemisphere Temperatures During the Past Millennium: Inferences, Uncertainties, and Limitations,Geophysical Research Letters, 26,759-762,1999.

.Jain,S., LaII,U., Mann, M.E.,Seasonality and Interannual Variations of Northern Hemisphere Temperature: Equator-to-

Pole Gradient and Land-Ocean Contrast,Journal of Climate, 12,1086-1100,1999.

.Mann, M.E., Park, J.,Oscillatory Spatiotemporal Signal Detection in Climate Studies: A Multiple-Taper Spectral Domain

Approach, Advances in Geophysics, 41,1-131,1999. mike

At 01:44PM 5/25/00 -0400, you wrote:

>TO: Faculty and Graduate Students

>FROM: Jim Galloway

>

>This is a reminder message.

>

>For the last two years the Dept has published an annual report. We

>plan to publish one for 99-00 and we need your help. We will list all

>peer-reviewed papers, book chapters and books that have appeared in print.

>

>This year we will list those papers that appeared in print in the 1999

>calendar year.

>

>Please send to Cindy via email Allof your listings for the 1999 year,

>so that we can quickly cut and paste the info in our annual report document.

>

>We need this information by June 1. Many thanks.

>Cynthia B. Allen

>Administrative Assistant

>Dept. Environmental Sciences

>204 Clark Hall

>University of Virginia

>Charlottesville VA 22903

>Tel:804-924-0561

>Fax: 804-982-2137

>

>

From: Sent: Subject:

alerts@jupiter.agu.org on behalf of AGU E-Aiert Application <alerts@jupiter.agu.org> Friday, May 04, 2001 11:10 PM

New issue of JGR - Atmospheres - Vol. 106, No. 9

The latest issue of JGR- Atmospheres is now available! An abbreviated table of contents follows.

The full table of contents for Volume 106, Number 9 is now available on AGU's website at:

[http://www.agu.org/pubs/toc/jd/jd106\\_9.html](http://www.agu.org/pubs/toc/jd/jd106_9.html)

To unsubscribe, visit the AGU E-Aiert Subscription Manager page at [http://www.agu.org/e\\_alert/manage.html](http://www.agu.org/e_alert/manage.html).

American Geophysical Union (<http://www.agu.org>)

===== TOC Follows =====

Körner, U.; Sonnemann, G.R. 2001

Global three-dimensional modeling of the water vapor concentration of the mesosphere-mesopause region and implications with respect to the noctilucent cloud region J . Geophys.Res. Vol. 106,No.D9,p. 9639 (2000JD900744)

Bintanja, Richard 2001

Characteristics of snowdrift over a bare ice surface in Antarctica J.Geophys.Res. Vol. 106, No. 09,p. 9653 {2000J0900835)

Reijmer,C.H.; Bintanja, R.;Greuell, W.2001Surface albedo measurements over snow and blue ice in thematic mapper bands 2 and 4 in Oronning Maud land, Antarctica J. Geophys.Res. Vol. 106,No. 09, p. 9661(2000JD900718)

Okin, Gregory Stewart; Gillette, Dale A. 2001Distribution of vegetation in wind-dominated landscapes: Implications for wind erosion modeling and landscape processes J.Geophys. Res. Vol. 106 , No. 09 , p. 9673 {2001J0900052)

Rabbette, M.;Pilewskie,P.2001

Multivariate analysis of solar spectral irradiance measurements J . Geophys. Res. Vol. 106,No. 09, p.9685 {2000J0900582)

liu, Xiaohong; Hegg, Dean A.; Stoelinga, Mark T. 2001Numerical simulation of new particle formation over the northwest Atlantic using the MM5 mesoscale model coupled with sulfur chemistry J. Geophys. Res. Vol. 106, No. 09 , p.

9697(2000JD900765)

Christakos,George ;Serre, Marc l.;Kovitz,Jordan l. 2001BME representation of particulate matter distributions in the state of California on the basis of uncertain measurements J.Geophys. Res. Vol. 106, No. D9,p. 9717 {2000JD900780)

Hartley, W.Seth; Hobbs, Peter V. 2001

An aerosol model and aerosol-induced changes in the clear-sky albedo off the east coast of the United States J. Geophys. Res. Vol. 106, No. D9, p. 9733 (2001JD900025)

Klostermeyer, J. 2001

Effect of tidal variability on the mean diurnal variation of noctilucent clouds J. Geophys. Res. Vol. 106, No. D9, p. 9749 (2000JD900838)

Kogan, Z. N.; Kogan, Y. L. 2001

Parameterization of drop effective radius for drizzling marine stratocumulus J. Geophys. Res. Vol. 106, No. D9, p. 9757

{2001JD900041}

Pfister, Leonhard; Selkirk, Henry B.; Jensen, Eric J.; Schoeberl,

2001

Aircraft observations of thin cirrus clouds near the tropical tropopause J. Geophys. Res. Vol. 106, No. D9, p. 9765 (2000JD900648)

O'Neill, N. T.; Eck, T. F.; Holben, B. N.; Smirnov, A.; Dubovik, Bimodal size distribution influences on the variation of

Angstrom derivatives in spectral and optical depth space J. Geophys. Res. Vol. 106, No. D9, p. 9787 (2000JD900245)

Formenti, P.; Andreae, M. O.; Andreae, T. W.; Galani, E.; Vasaras,

2001

Aerosol optical properties and large-scale transport of air masses:

Observations at a coastal and a semiarid site in the eastern Mediterranean during summer 1998 J. Geophys. Res. Vol.

106, No. D9, p. 9807 (2000JD900609)



Osborne, Simon R. ; Johnson, Douglas W.; Bower, Keith N. ; Wood, Robert 2001 Modification of the aerosol size distribution within exhaust plumes produced by diesel-powered ships J. Geophys. Res. Vol. 106, No. D9, p. 9827 (2000JD900391)

Tokarczyk, Ryszard; Saltzman, Eric S. 2001 Methyl bromide loss rates in surface waters of the North Atlantic Ocean, Caribbean Sea, and eastern Pacific Ocean

( 8°N-45°N)

J. Geophys. Res. Vol. 106, No. 09, p. 9843 (2000JD900742)

Ziemke, J. R.; Chandra, S.; Bhartia, P. K. 2001 "Cloud slicing": A new technique to derive upper tropospheric ozone from satellite measurements J. Geophys. Res. Vol. 106, No. D9, p. 9853 (2000JD900768)

Prez, T.; Trumbore, S. E. ; Tyler, S. C.; Matson, P. A. ; Identifying the agricultural imprint on the global N<sub>2</sub> budget using stable isotopes J. Geophys. Res. Vol. 106, No. 09, p. 9869 (2000JD900809)

Douglass, A. R.; Schoeberl, M. R. ; Kawa, S. R.; Browell, E. V. 2001 A composite view of ozone evolution in the 1995-

1996 northern winter polar vortex developed from airborne lidar and satellite observations J. Geophys. Res. Vol. 106, No. 09, p. 9879 (2000JD900590)

Mohamed-Tahrin, N.; South, A. M.; Newnham, D. A.; Jones, R. L. 2001 A new accurate wavelength calibration for the ozone absorption cross section in the near-UV spectral region, and its effect on the retrieval of BrO from measurements of zenith-scattered sunlight J. Geophys. Res. Vol. 106, No. 09, p. 9897 (2000JD900743)

Smith, M. A. H.; Devi, V. Malathy; Benner, D. Chris; Rinsland, C. P. 2001

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From:

Sent: Subject:

Complexity Digest Distribution <comdig@ms68.hinet.net> Monday, July 16, 2001 7:20 AM

Complexity Digest 2001.29 (html version)

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</B></FONT><FONT SIZE="- 1">July-16-2001</FONT></P>

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www.comdig.org</FONT></A><FONT SIZE="-1">, <B>European Mirror:</B>&nbsp;</FONT><A  
HREF="http://www.comdig.de"><FONT SIZE="-1"> www.comdig.de</FONT></A></ADDRESS>

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http://www.phil.pku.edu.cn/resguide/comdig/</FONT></A><FONT SIZE="-1"> (Chinese GB-  
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<P><FONT SIZE="-1" COLOR="#D10150"><1>"I think the next century will be the century of complexity."  
Stephen

Hawking</1></FONT><FONT SIZE="-1" COLOR="#FF00FF"><I> </1></FONT>

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<BLOCKQUOTE><OL>

<LI><A HREF="#1.1" TARGET=main><B>Immune Control, Memory, And  
Vaccines</B></A>,Science

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<LI><A HREF="#1" TARGET=main><B>'Breeding' Antigens For New  
Vaccines</B></A>,Science</LI>

<LI><A HREF="#1.2" TARGET=main><B>The Art Of The Probable: System Control In The Adaptive Immune System</B></A>, Science</LI>

<LI><A HREF="#1.3" TARGET=main><B>Tampering With The Immune System</B></A>,Science</LI>

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<LI><A HREF="#2" TARGET=main><B>Selection Pressure And Organizational Cognition: Implications For The Social Determinants Of Health</B></A>,Cogprints</LI>

<LI><A HREF="#3" TARGET=main><B>Major Challenges For Bush's Climate Initiative</B></A>,Science

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<LI><A HREF="#3.1" TARGET=main><B>Sizzling Sun Makes Cloudy Days</B></A>,CNN</LI>

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<LI><A HREF="#4" TARGET=main><B>Surprise Variation Found In Human Genes</B></A>,New Scientist

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<LI><A HREF="#4.1" TARGET=main><B>Huge Genetic Variation Found In Human Beings</B></A>, abcNEWS</LI>

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<LI><A HREF="#S" TARGET=main><B>Borna Disease Virus Linked With Severe Mood Disorders</B></A>, Medscape

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<LI><A HREF="#S.2" TARGET=main><B>Odorants May Arouse Instinctive Behaviours</B></A>, Nature</LI>

<LI><A HREF="#5.3" TARGET=main><B>A Model Of The Interaction Between Mood And Memory</B></A>, Network:Comput. Neural Syst.</LI>

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<LI><A HREF="#G" TARGET=main><B>Babies Recognize Music From The Womb</B></A>, abcNEWS

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<LI><A HREF="#6.1" TARGET=main><B>Music In Broca's Area</B></A>,Trends In Neurosciences</LI>

<LI><A HREF="#6.2" TARGET=main><B>Song From Neighbor Star

Has Familiar Ring</B></A>.CNN</LI>

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<LI><A HREF="#7" TARGET=main><B>A Hebbian Form Of Long-Term  
Potentiation</B></A>, PNAS</LI>

<LI><A HREF="#8" TARGET=main><B>Creativity And Problem Solving: Elements For A Model Of  
Creativity</B></A>, CogPrints</LI>

<LI><A HREF="#9" TARGET=main><B>Biological Model Generates  
Prime Numbers</B></A>, Science

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<LI><A HREF="#9.1" TARGET=new><B>Prime Number Selection Of  
Cycles In A Predator-Prey Model</B></A><B>,  
</B>Complexity</LI>

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<LI><A HREF="t1O" TARGET=main><B>Intentional Walks On Scale  
Free Small Worlds</B></A>, arXiv</LI>

<LI><A HREF="III" TARGET=main><B>Another Emissary From The Dawn  
Of Humanity</B></A>, Science

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<LI><A HREF="#l1.1" TARGET=main><B>Late Miocene Hominids

From the Middle Awash, Ethiopia, </B></A>Nature</LI>

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<LI><A HREF="#12" TARGET=main><B>A Trick Shot In Quantum

Billiards</B></A>, Science

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<LI><A HREF="tl12.1"><B>No Mere Anarchy,</8></A> Science</LI>

<LI><A HREF="#12.2" TARGET=main><B>Atoms Island-Hop,</B></A> Science Now</LI>

<LI><A HREF="#12.3" TARGET=main><B>Observation of Chaos-Assisted Tunneling Between Islands of Stability</B></A>,Science</LI>

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<LI><A HREF="#13" TARGET=main><B>Entangling Atomic

Collisions</B></A>,Science/PRL</LI>

<LI><A HREF="#14" TARGET=main><B>Dynamic Cerebrovascular

Response Between Stepwise Up Tilt And Down Tilt In

Humans</8></A>, AJP:Heart</LI>



<LI><A HREF="#15" TARGET=main><B>Complex AV Nodal Dynamics  
During Ventricular-Triggered Atrial Pacing In Humans</8></A>, AJP: Heart</LI>

<LI><A HREF="#16" TARGET=main><B>Predictability Of Catastrophic  
Events</B></A>, arXiv</LI>

<li><A HREF="#17" TARGET=main><B>Paediatric Head  
Injury,</B></A> Brain</li>

<LI><A HREF="#18" TARGET=main><B>Danish Study Finds No link  
Between Cell Phone Use And Cancer</8></A>,J. Radiol. Prot.

<OL>

<LI><A HREF="#18.1" TARGET=main><8>Mobile Phones: Developments In The UK</B></A>,J. Radiol.  
Prot. News And Information</LI>

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<LI><A HREF="#19" TARGET=main><B>Chameleon Code Gives Hackers  
Advantage</8></A>, New Scientist</LI>

<LI><A HREF="#20" TARGET=main><B>Links & Snippets</8></A>

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<LI><A HREF="#20.2" TARGET=main><B>Announcements</B></A>

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<LI><A HREF="#20.2.1" TARGET=main><FONT COLOR="#FF0000"><B>Complexity  
Digest Site Design Competition</B></FONT></A></LI>

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<A NAME=l></A><B>l.Immune Control, Memory, and Vaccines</B>, Science</P>

<BLOCKQUOTE><I>Excerpt:&nbsp;</I>A sweeping offensive to prevent infectious disease through  
vaccination remains a compelling goal

in the movement toward improved public health in industrialized and developing societies. Expectations are  
high that vaccines will also soon be deployed in less conventional ways: to destroy tumors

and prevent autoimmune diseases, for example. Yet the current range of vaccine targets remains remarkably  
narrow. How, then, will the scope and power of vaccination be improved?

<P>The brisk pace of genome-related discoveries brings hope of revolutionary change (...)</P>

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<LI><A HREF="http://www.sciencemag.org/cgi/content/summary/293/5528/233" TARGET=new><FONT SIZE="- 1"><B>Immune

Control,Memory, and

Vaccines</8></FONT></A><FONT SIZE="-1">,Stephen Simpson and Eliot Marshaii</FONT><FONT SIZE="-2">, Science 2001July 13; 293(5528):

</FONT><FONT SIZE="-1"> p. 233</FONT></LI>

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<P>&nbsp;</P></BLOCKQUOTE></BLOCKQUOTE></BLOCKQUOTE>

<P><I><A NAME="l. " ></A>Excerpt: <!/>R ather than carefully manipulating genes to develop a product with specific characteristics, a handful of biotechs are using a technique known as directed molecular evolution to hunt for chance offspring that have the desired features. This approach mimics natural selection,

but on a minuscule scale and with a focused purpose. One company is now using this strategy to hunt for vaccines.Its work is still

in the early stages of test tube and animal testing, but if it succeeds,it could add a novel tool to the vaccinemaker's workbench.</P>

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<LI><A HREF="http://www.sciencemag.org/cgi/content/full/293/5528/236" TARGET=new><FONT SIZE="- 1"><B>'Breeding'

Antigens For New

Vaccines</B></FONT></A><FONT SIZE="-1">,Jon Cohen, Science 2001July 13; 293(5528):P.236)</FONT></LI>

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<P>&nbsp;</P></BLOCKQUOTE></BLOCKQUOTE></BLOCKQUOTE>

<P><FONT SIZE="-2"><A NAME="1.2"></A></FONT><I>Excerpt:&nbsp;</I></P></A></FONT><I>The immune system provides very effective host defense against

infectious agents. Although many details are known about the cells and molecules involved, a broader "systems engineering" view of this complex system is just beginning to emerge. Here the argument is put forward that stochastic events, potent amplification mechanisms, feedback controls, and heterogeneity arising from spatially dispersed cell interactions give rise to many of the

gross properties of the immune system.</P>

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<li><A HREF="http://www.sciencemag.org/cgi/content/abstract/293/5528/240" TARGET=new><FONT SIZE="-1"><B>The

Art OfThe Probable: System Control In The Adaptive

Immune System</B></FONT></A><FONT SIZE="-1">, Ronald

N.Germain, Science 2001 July 13; 293(5528): P.

240-245</FONT></LI>

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<P>&nbsp;</P>

<P><I><A NAME="1.3"></A>Excerpts:&nbsp;</I></P></A></FONT><I>The immune system must maintain a delicate balance between the positive signals that

activate lymphocytes and the negative signals that dampen inappropriate immune responses. If this balance is upset, the immune system either does not respond to pathogens or responds inappropriately, resulting in autoimmune disease. Antigens, cytokines, and death-inducing members of the tumor necrosis factor

(TNF) family (<A HREF="http://www.sciencemag.org/cgi/content/full/293/5528/228#ref1" TARGET=new>l</A>,</P></A></FONT><I>The immune system must maintain a delicate balance between the positive signals that

<A HREF="http://www.sciencemag.org/cgi/content/full/293/5528/228#ref2" TARGET=new>2</A>)

all contribute to homeostatic regulation of the immune system.

</P>

<P>(&#133;}the Tyro-3 family of receptor tyrosine kinases &#91;has been identified&#93; as important players in immune regulation.</P>

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<LI><A HREF="http://www.sciencemag.org/cgi/content/summary/293/5528/228" TARGET=new><FONT SIZE="- 1"><B>Tampering

with the Immune System</B></FONT></A><FONT SIZE="-1">, Pamela L. Schwartzberg,Science 2001July 13;

293(5528): P.228</FONT></U>

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<P>&nbsp;</P></BLOCKQUOTE></BLOCKQUOTE></BLOCKQUOTE></BLOCKQUOTE>

<P><A NAME=2></A><B>2. Selection Pressure And Organizational Cognition: Implications For The Social Determinants Of Health</B>, Cogprints</P>

<BLOCKQUOTE><I>Abstract:W</I>e model the effects of Schumpeterian

'selection pressures'-- in particular Apartheid and the neoliberal'market economy' -- on organizational cognition in minority communities,given the special role of culture in human biology. Our focus is on the dual-func tion social networks by which culture is imposed and maintained on individuals and by

which immediate patterns of opportunity and threat are recognized and given response. A mathematical model based on recent advances in complexity theory displays a joint cross-scale linkage of

social, individual central nervous system, and immune cognition with external selection pressure through mixed and synergistic

punctuated 'learning plateaus.' This provides a naturalmechanism for addressing the social determinants of health at the individual level. The implications of the model, particularly the predictions

of synergistic punctuation, appear to be empirically testable.

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<LI><A HREF=="http://cogprints.soton.ac.uk/documents/disk0/00/00/15/26/index.html" TARGET==new><FONT SIZE=="-1"><B>Selection

pressure And Organizational Cognition:Implications For The Social Determinants Of Health</8></FONT></A><FONT SIZE="-1">, Rodrick

Wallace,</FONT><A HREF="http://cogprints.soton.ac.uk/" TARGET==new><FONT SIZE="-1">CogPrints</FONT></A><FONT SIZE="-1">,  
2001.</FONT></LI>

<LI><FONT SIZE="-1">Contributed by </FONT><A HREF="http://us.f112.mail.yahoo.com/ym/Compose?To=gershenson@yandex.ru" TARGET=new><FONT SIZE="-1">Carlos

Gershenson</FONT></A><FONT SIZE=="-1"> </FONT></LI>

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<P><B><A NAME=3></A>3. Major Challenges For Bush's Climate Initiative</8>,</P>

<BLOCKQUOTE>Editor's Note:&nbsp;<nbsp;<ciimate modeling requires significant computer resources (comparable with those of nuclear weapons and protein-folding simulations) and today the US has lost the leadership in that area to simulation centers in Europe using fast vector super-computers built in Japan.Another handicap for US climat simulation research is described by climate modeler Jeffrey Kiehl of NCAR:

<P><I>E xcerpt: </I>"But at each center, climate change modeling must vie for available computer time with other research on atmospheric science. "It's a matter of dedicating computer hardware to climate modeling," says Kiehl. "We don't do that here. There's also a cultural issue. The competition &#91;among many centers&#93; is viewed as a healthy way to stimulate research. I agree, but the climate modeling field has reached such a level of

complexity that we have to change the way we've been working."</P>

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<li><A HREF="http://www.sciencemag.org/cgi/content/summary/293/5528/199" TARGET=new><FONT SIZE="-

1"><B>Major

Challenges For Bush's Climate Initiative</B></FONT></A><FONT SIZE="-1">, Richard A. Kerr, Science 2001 July 13; 293(5528):P.

199-201</FONT></LI>

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<P><FONT SIZE="-1"><A NAME="3.1"></A></FONT><I>Excerpts:</I>&nbsp;</P>

The United States becomes cloudier during cyclical periods of heightened solar activity, possibly because the increased

radiation heats the upper atmosphere and nudges the jet stream northward enough to change regional weather, researchers said this week.</P>

<P>Their study, which investigates a link between weather and the composition of the stratosphere, could help scientists identify

large-scale mechanisms that influence climate. (&#133;)</P>

<P>The work supports previous observations finding a connection between more clouds and the peak of an 11-year cycle during which the sun unleashes more potent bursts of energy.</P>

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<http://edition.cnn.com/2001/TECH/space/07/13/sun.gray.days/index.html>  
TARGET=new<FONT SIZE="-1"><B>Sizzling  
Sun Makes Cloudy Days</B></FONT></A><FONT SIZE="-1">, Richard Stenger,CNN,010713</FONT>

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<P><B><A NAME=4></A>4. Surprise Variation Found In Human Genes</B>, New Scientist</P>

<BLOCKQUOTE><I>Excerpts:&nbsp;</I>The new study suggests that while humans have only 30,000 genes, there are between 400,000 and

500,000 gene versions. Vovis said these differences might partly explain why people respond so differently to the same medications. (...)

<P>They found no variation between gene versions that could define any one of the ethnic groups, Vovis said. But they did find that different versions of a gene are more common in a group of people from one geographical region, compared with people from another.</P>

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<li><A HREF="http://www.newscientist.com/news/news.jsp?id=ns99991016" TARGET=new><FONT SIZE="-

1"><B>Surprise

Variation Found In Human

Genes</B></FONT></A><FONT SIZE="-1">, Emma Young, New

Scientist, 01/07/13</FONT></li>

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<P><I>Excerpt:&nbsp;&nbsp;&nbsp;</I>The researchers studied the genetic makeup of 21 whites, 20 blacks, 20 people of Asian descent,18 Latinos

and three American Indians. The groups proved to have a certain degree of genetic idiosyncrasies, likely because their ancestors had a common history in a geographical region over thousands of years, whether in Africa,Asia,Europe or the Americas. </P>

<P>The two groups that shared the highest number of rare genetic variants with one another were the blacks and Latinos. The Asians shared comparatively little with the other groups. </P>

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<LI><A HREF="http://www.abcnews.go.com/wire/US/reuters20010712\_397.html" TARGET=new><FONT SIZE="- 1"><B>Huge

Genetic Variation Found In Human

Beings</B></FONT></A><FONT SIZE="-1">, abcNEWS,

01/07/12</FONT></LI>

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<P>&nbsp;&nbsp;&nbsp;</P>

<P><B><A NAME=S></A>S. Borna Disease Virus Linked With Severe Mood

Disorders</B>,<A HREF="http://www.medscape.com">Medscape</P>

<BLOCKQUOTE><I>Excerpts:</I>Borna disease virus targets limbic structure neurons and is known to cause behavioral abnormalities in animals (&#133;).

<P>In group of 28 patients with major depressive disorder or depressive crisis in bipolar disorder and 28 patients with

moderate depressive symptoms, the infection rate approached 100%, (&#133;). Infection rates in a healthy control group of 65

subjects was only 32%.The investigators also noted that high

immune complex levels paralleled severe depression. </P>

<P>(&#133;) conclude that "an etiopathogenic role of Borna disease virus in mood disorders seems considerably strengthened</P>

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<LI><A HREF="http://psychiatry.medscape.com/40030.rhtml?srcmp=psy-070601" TARGET=new><FONT SIZE="- 1"><B>Borna

Disease Virus Linked With Severe Mood

Disorders</B></FONT></A><FONT SIZE="-1"><B>,</B>

</B>Medscape,01/07/05</FONT></LI>

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<P>&nbsp;</P></BLOCKQUOTE></BLOCKQUOTE></BLOCKQUOTE>

<P><I>Excerpt:&nbsp;</I>In contrast to the olfactory epithelium,

there is no direct pathway from this organ to the higher cortical areas involved in odour perception and discrimination. Instead, inputs are targeted to the amygdala and hypothalamus, areas that control hormone levels, emotions, basic drives and instinctive behaviours. Like pheromones, some odorants may stimulate innate behavioural or physiological responses.</P>

<P>As in insects, certain odorants may act in mammals as semiochemicals that influence behaviour. Volatile chemicals emitted by plants can elicit oviposition or pollination in

insects, (...)</P>

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<LI><A HREF="http://www.nature.com/nature/journal/v412/n6843/full/412142aO\_fs.html" TARGET=new><FONT SIZE="-1"><B>Odorants

May Arouse Instinctive

Behaviours

Novotny, Linda B. Buck, Nature 412,142 (2001)

**Abstract:** This paper investigates a neural network model with two attractor networks that represent the inferior temporal cortex (IT), which stores representations of visual stimuli, and the amygdala, the activity of which reflects the mood state. The results are relevant to understand the interaction

between structures important in mood and emotion and other brain areas involved in storing objects, faces and memories.

[http://www.iop.org/Journals/ne%20PII:%20S0954-898X\(01\)22487-7](http://www.iop.org/Journals/ne%20PII:%20S0954-898X(01)22487-7)

**A Model Of The Interaction Between Mood And Memory**, Network, Institute Of Physics Publishing Network: Computation

In Neural Systems 12 (2001) 89-109

Contributed by <http://www.atin.8k.com/>

Atin Das

<P>&nbsp;</P>

<P><B><A NAME=6></A>6. Babies Recognize Music From The Womb</B>, abcNE WS</P>

<BLOCKQUOTE><I>Excerpts:&nbsp;</I>Each speaker played a piece of music: One was the prenatal music and the other was a piece of music chosen for its similarity in key,pace, and loudness.

{&#133;)

<P>Researchers recorded the length oftime the babies spent looking at each ball · implying they were listening to each piece of music. </P>

<P>Each baby,none of whom could speak,showed a clear preference for the music they had been exposed to while in the womb. A

control group of children showed no preference for either piece of music.</P>

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<LI><A HR EF="http://www.abcnews.go.com/sections/living/DailyNews/babies\_music\_010711.htmI" TARGET=new><FONT SIZE="-1"><B>Babies

Recognize Music From The

Womb</B></FONT></A><FONT SIZE="-1">, abcNEWS,

01/07/12/</FONT></LI>

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<P><FONT SIZE="-1"><A NAME="6.1"></A></FONT><I>E xcerpt:&nbsp;</I>Using magnetoencephalography to measure brain activity in response to

musical stimuli, researchers have found that anatomical regions that are important for verbal grammar might also be involved in musical syntax. Conventionally, in-key chords primarily activate the auditory cortex, but incongruous chords activated Broca's speech area in the left temporal lobe, as well as the corresponding region on the right. Therefore, this brain area may process more broad collections of syntactic information than previously appreciated. Furthermore, as effects were observed in subjects with no musical training, the authors from the Max Planck Institute of Cognitive Neuroscience in Leipzig suggest the brain is innately able to apply harmonic principles in music.

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href="http://reviews.bmn.com/browse/areas/record?tocname=Neuroscience&pii=SO166223600019081" target=new><FONT SIZE="-1"><B>Music

In Broca's Area, Lianna

Orlando</B></FONT></A><FONT SIZE="-1">, Trends In

Neurosciences, 2001, 24:7373</FONT>&nbsp;</LI>

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<P><A NAME="6.2"></A><I>Excerpts:&nbsp;</I>Sound waves running through the sun have revealed some of its innermost properties.

Now for the first time, astronomers have heard the faint song inside another point of light. And the tune sounds quite familiar. (&#133;)</P>

<P>But the oscillations of Alpha Centauri A can be translated into sound waves. The most prominent note in the stellar symphony is an E flat, 15 or 16 octaves below audible levels, said Carrier.

Shifted into the range of human hearing, the waves become what sounds like a simple, eerie organ fugue.</P>

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<LI><A HREF="http://enn.com/2001/TECH/space/07/06/star.song/index.html" TARGET=new><FONT SIZE="-

1"><B>Song

From Neighbor Star Has Familiar

Ring</B></FONT></A><FONT SIZE="-1">,CNN,

01/07/06</FONT></LI>

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<P>&nbsp;<B><A NAME=7></A>7. A Hebbian Form Of Long-Term

Potentialiation</B>, PNAS</P>

<BLOCKQUOTE><I>Abstract:&nbsp;</I>Hippocampal inhibitory interneurons play important roles in controlling the excitability and

synchronization of pyramidal cells, but whether they express long-term synaptic plasticity that contributes to hippocampal network function remains uncertain. We found that pairing postsynaptic depolarization with -burst stimulation induced long-term potentiation (LTP) of putative single-fiber excitatory postsynaptic currents in interneurons. Either postsynaptic depolarization or -burst stimulation alone failed to induce LTP.

LTP was expressed as a decrease in failure rates and an increase

in excitatory postsynaptic current amplitude, independent of

N-methyl-D-aspartate receptors, and dependent on metabotropic glutamate receptors subtype Ia. LTP was induced specifically in

interneurons in stratum oriens and not in interneurons of stratum radiatum/lacunosum-moleculare. Thus, excitatory synapses onto specific subtypes of inhibitory interneurons express a new form of hebbian LTP that will contribute to hippocampal network plasticity.

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<LI><A HREF="http://www.pnas.org/cgi/content/abstract/161493498v1" TARGET=new><FONT SIZE="-1"><B>A Hebbian Form Of Long-Term

Potentiality

10.1073/pnas.161493498

8. Creativity And Problem Solving: Elements For A Model Of Creativity, CogPrints

Abstract: The human creativity has already been theorized in practical y all sciences. Some privilege the

cognitive aspects, emphasizing the architecture of the thought, while others focus the empiric approach, describing the creativity as a productive technique. This paper tries to reconcile these two visions, offering glimpses of the creativity as technique and of

the involved mental processes. Finally, it proposes an

"architecture of the creativity" focused on an integration in artificial intelligence systems for the learning of the creativity.

<http://cogprints.soton.ac.uk/documents/disk0/00/00/14/26/index.html>

And Problem Solving: Elements For A Model Of

Creativity, Bruno

Carvalho Souza,

CogPrints,

2001.

<LI><FONT SIZE="-1">Contributed by </FONT><A  
HREF="http://us.f112.mail.yahoo.com/ym/Compose?To=gershenson@yandex.ru" TARGET=new><FONT  
SIZE="-1">Carlos

Gershenson</FONT></A></LI>

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<P>&nbsp;</P>

<P><B><A NAME=9></A>9. Biological Model Generates Prime Numbers</B>, Science/Complexity</P>

<BLOCKQUOTE><I>Summary:&nbsp;</I>Cicadas spend 7,13,or 17 years, depending on the species,  
underground before emerging as adults

for the final weeks of their lives.

<P>Recently,Goles et al. investigated the selective forces that

might have led to these prime-number life cycles. They produced spatiotemporal simulations of predator-prey  
cycles using cellular automata to yield periodicities of 13 and 17,indicating the selective optima for cicadas  
escaping predators. In this unexpected alliance of biology and number theory,the results suggest that these  
models have properties that favor the generation of prime numbers</P>

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<LI><A HREF="http://www.sciencemag.org/cgi/content/summary/293/5528/177b"  
TARGET=new><FONT SIZE="-1"><B>Biological

Model Generates Prime Numbers</B></FONT></A><FONT SIZE="-1">, Andrew M. Sugden,Science  
2001July 13;293(5528): P. 177b

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&nbsp;

*Abstract:* The fact that some species of cicadas appear every 7, 13, or 17 years and that these periods are prime numbers has been regarded as a coincidence. We found a simple evolutionary predator-prey model that yields

prime-periodic preys having cycles predominantly around the observed values. An evolutionary game on a spatial array leads to travelling waves reminiscent of those observed in excitable

systems. The model marks an encounter of two seemingly unrelated disciplines: biology and number theory. A restriction to the latter, provides an evolutionary generator of arbitrarily large

prime numbers.

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- [Prime](http://www3.interscience.wiley.com/cgi-bin/abstract/84502365/START)

Number Selection Of Cycles In A Predator-Prey Model, Eric Goles, Oliver Schulz, Mario Markus, Published Online: 21 Jun

2001, 001 10.1002/cplx.1040

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**10. Intentional Walks On Scale Free Small**

**Worlds**, arXiv

*Excerpt:* We present a novel algorithm that generates scale free small world graphs such as those found in the World Wide Web, social and metabolic networks. We use the generated graphs to study the dynamics of a realistic search strategy on the graphs, and find that they can be navigated in a very short number of steps....&nbsp;

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<LI><A HREF="http://www.unifr.ch/cgi-bin/physics/compta/compteur.pl?article=condmat/0107212&version=abs" TARGET=new><FONT SIZE="-1"><B>Intentional

Walks On Scale Free Small Worlds</B></FONT></A><FONT SIZE="-1">, Amit R Puniyani, Rajan M Lukose, Bernardo, A

Huberman</FONT></LI>

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<P><B><A NAME=11></A>11. Another Emissary From The Dawn Of Humanity</B>,<Science</P>

<BLOCKQUOTE><I>Excerpt: </I>Fossils unearthed in Ethiopia and reported in this week's issue of Nature offer a glimpse of the

time when humans and chimps were going their separate evolutionary ways--and may represent the earliest known human ancestor. The remains--a jawbone with teeth as well as arm,hand,and foot

bones--have been dated at between 5.2 million and 5.8 million years old. From the shape of one nearly complete foot bone, the discoverers conclude that their specimen walked upright, a hallmark of all hominids.

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<LI><A HREF="http://www.sciencemag.org/cgi/content/full/293/5528/187b" TARGET=new><FONT SIZE="-

1"><B>Another

Emissary From The Dawn Of Humanity</B></FONT></A><FONT SIZE="-1">, Michael Baiter, Ann Gibbons,<Science 2001293: 187-189

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<P>&nbsp;</P></BLOCKQUOTE></BLOCKQUOTE></BLOCKQUOTE>

<P><I>Excerpt:&nbsp;</I>Molecular studies suggest that the

lineages leading to humans and chimpanzees diverged approximately

6.5-5.5 million years (Myr) ago, in the Late Miocene. Hominid fossils from this interval, however, are fragmentary and of uncertain phylogenetic status, age, or both. Here I report new

hominid specimens from the Middle Awash area of Ethiopia that date to 5.2-5.8 Myr and are associated with a wooded palaeoenvironment. These late Miocene fossils are assigned to the hominid genus *Ardipithecus* and represent the earliest definitive evidence of the hominid clade.</P>

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<LI><A HREF="http://www.nature.com/nature/journal/v412/n6843/full/412178a0\_fs.htm" TARGET=new><FONT SIZE="-1"><B>Late

Miocene Hominids From the Middle Awash, Ethiopia</B></FONT></A><FONT SIZE="-1"><B>,</B>

<B>Yohannes Haile-Selassie, Nature 412,178- 181 (2001) </FONT></LI>

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<P><B><A NAME=12></A>12. A Trick Shot In Quantum Billiards</B>, Science</P>

<BLOCKQUOTE><I>Summary:&nbsp;</I>When a cloud of atoms is cooled and held in an optical trap and then allowed to cool again, the

trajectories of the atoms will depend on the geometry of the confining walls imposed by light beams. Most trajectories will be chaotic, but some geometries exist in which the scattering processes satisfy momentum-selection rules that give rise to

stable trajectories. Steck et al. (<A HREF="http://www.sciencemag.org/cgi/content/full/293/5528/274" TARGET=new>p.

274</A>;see the Perspective by Habib), using a system in which the atoms are confined in an optical standing wave and using a velocity-selection technique, show that for special regions of momentum space, termed "islands of stability," the atoms can tunnel between one stable momentum state and its symmetric opposite. Time-slice measurements show that the atoms oscillate between the two stable momentum states.&nbsp;

<P>&nbsp;</P>

<P><A NAME="12.1"></A><I>Excerpts:&nbsp;</I>The study of quantum nonlinear systems is surprisingly young. Although Poincar&eacute;

had understood key aspects of dynamical chaos at the turn of the

20th century, and Einstein had realized its consequences for early quantum theory, quantum dynamics of nonlinear systems remained an obscure topic until the recent explosion of interest in quantum

chaos. (&#133;) A good example is chaos-assisted tunneling, the first experimental observation of which is presented by Steck et

al. (8) on page <A HREF="http://www.sciencemag.org/cgi/content/full/293/5528/274" TARGET=new>274</A>

of this issue. </P>

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<LI><A HREF="http://www.sciencemag.org/cgi/content/full/293/5528/221" TARGET=new><FONT SIZE="-1"><B>No

Mere Anarchy,</8></FONT></A><FONT SIZE="-1"> Salman

Habib, Science 2001293: 221-223 </FONT></LI>

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<P><FONT SIZE="-1"><A NAME="12.2"></A></FONT><I>Excerpts:&nbsp;</I> For the first time, physicists have seen cold atoms suddenly

reverse their motion like a ball spontaneously changing direction mid-flight and returning to the thrower's hand. (&#133;)</P>

<P>Each "island" is a set of quantum states for particles at the same point in space but with opposite momentums, like pendulums swinging in different directions. Classical physics says that once

a particle is marooned on an island of stability,it can never

leave. But both teams saw particles flip from one island to another.</P>

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<LI><A HREF="http://sciencenow.sciencemag.org/cgi/content/full/2001/706/1" TARGET=new><FONT SIZE="-

1"><B>Atoms

Island-Hop,</8></FONT></A><FONT SIZE="-1"> Mark

SinceII,Science Now,01/07/06</FONT></LI>

<LI><A HREF="http://www.physics.uq.edu.au/lp/lasercool/index.html" TARGET=new><FONT SIZE="-

1"><B>University

of Queensland Laser Cooling site</B></FONT></A></LI>

<LI><A HREF="http://www.ph.utexas.edu/quantopt/" TARGET=new><FONT SIZE="-1"><B>University of Texas Quantum Optics site </B></FONT></A></LI>

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<P><FONT SIZE="-1"><A NAME="12.3"></A></FONT><I>Abstract:&nbsp;

</I>We report the direct observation of quantum dynamical tunneling of atoms between separated momentum regions in phase space. We study how the tunneling oscillations are affected as a quantum symmetry is broken and as the initial atomic state is changed. We also provide evidence that the tunneling rate is

greatly enhanced by the presence of chaos in the classical dynamics. This tunneling phenomenon represents a dramatic manifestation of underlying classical chaos in a quantum system.</P>

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<LI><A HREF="http://www.sciencemag.org/cgi/content/full/293/5528/274" TARGET=new><FONT SIZE="-1"><B>Observation

of Chaos-Assisted Tunneling Between Islands of

Stability</B></FONT></A><FONT SIZE="-1">, Daniel A. Steck, Windell H. Oskay, and Mark G. Raizen,Science

2001293: 274-278</FONT></LI>

<LI><FONT SIZE="-1">See </FONT><A HREF="http://www.sciencemag.org/cgi/content/full/1061569/DC1" TARGET=new><FONT SIZE="-1">quicktime

movies</FONT></A><FONT SIZE="-1"> of the experimental results.</FONT></LI>

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<P><B><A NAME=13></A>13. Entangling Atomic Collisions</8>, Science/PRL</P>

<BLOCKQUOTE><I>Excerpt: </I>We usually think of collisions as

destructive processes, but in the quantum world, collisions can be constructive and even desirable events. When quantum systems are brought into close contact and allowed to interact under the right conditions, the wave functions of the systems can become entangled so that the once separate systems effectively become one. Such entanglement could be used for logical operations in quantum computers. However, the entanglement process is rather inefficient for bare atom collisions, and methods are being explored that make the process more efficient.

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<li><A HREF="http://www.sciencemag.org/cgi/content/summary/293/5528/177d" TARGET=new><FONT SIZE="-1"><B>Entangling

Atomic Collisions</B></FONT></A><FONT SIZE="-1">, Ian

S. Osborne, Science, 2001293:177</FONT></LI>

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<P>&nbsp;</P></BLOCKQUOTE></BLOCKQUOTE></BLOCKQUOTE>

<P><I>Abstract:&nbsp;</I>Following a recent proposal by S. B. Zheng and G. C. Guo &#91;Phys. Rev. Lett. 85, 2392 (2000)&#93;, we report an experiment in which two Rydberg atoms crossing a nonresonant cavity are entangled by coherent energy exchange. The process, mediated by the virtual emission and absorption of a microwave photon, is characterized by a collision mixing angle 4 orders of magnitude larger than for atoms colliding in free space

with the same impact parameter. The final entangled state is controlled by adjusting the atom-cavity detuning. This procedure, essentially insensitive to thermal fields and to photon decay, opens promising perspectives for complex entanglement manipulations. </P>

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<LI><A HREF="http://ojps.aip.org/getabs/servlet/GetabsServlet?prog=normal&id=PRLTA000008700000303790200001&idtyp=e=cvips&gifs=Yes" TARGET=new><FONT SIZE="-1"><B>Coherent

Control of an Atomic Collision in a Cavity</B></FONT></A><FONT SIZE="-1">, S. Osnaghi, P. Bertet, A. Auffeves, P. Maioli, M. Brune, J. M.

Raimond, S. Haroche, Published 27 June 2001, Phys. Rev. Lett. 87, 037902 (2001).</FONT></LI>

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<P><I>&nbsp;</I>&nbsp;</P>

<P><A NAME=14></A><B>14. Dynamic Cerebrovascular Response Between  
Stepwise Up Tilt And Down Tilt In Humans</8>, AJP: Heart</P>

<BLOCKQUOTE><I>Abstract: W</I>e studied dynamic cerebrovascular responses in eight healthy humans during repetitive stepwise upward tilt (SUT) and stepwise downward tilt (SDT) maneuvers

between supine and 70° standing at intervals of 60s. Mean cerebral blood flow velocity (FVMCA) was measured at the middle cerebral artery (MCA) with transcranial Doppler ultrasonography. Mean arterial blood pressure (ABP) was measured via the radial artery and adjusted at the level of the MCA (ABPMCA). Cerebral critical closing pressure (PCC) was estimated from the

systolic-diastolic relationship between FVMCA and ABPMCA. ABPMCA

minus PCC was considered the cerebral perfusion pressure (CPP). The tilt maneuvers produced stepwise changes in both CPP and FVMCA. The FVMCA response to SUT was well characterized by a linear second-order model. However, that to SOT presented a biphasic behavior that was described significantly better (P < 0.05) by the addition of a slowly responding component to the second-order model. This difference may reflect both different cardiovascular responses to SUT or SOT and different cerebrovascular autoregulatory behaviors in response to decreases or increases in CPP.

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<LI><A HREF="http://ajpheart.physiology.org/cgi/content/abstract/281/2/H774" TARGET=new><FONT SIZE="1">

1"><B>Dynamic

Cerebrovascular Response Between Stepwise Up Tilt And Down Tilt In Humans</B></FONT></A><FONT SIZE="1">, AJP: Heart, Jiro Sato, Masatoshi Tachibana, Tsutomu Numata, Takashi Nishino, Akiyoshi Konno, AJP: Heart,

01/08/01;281(2): P. H774-H783</FONT></LI>

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**IS. Complex AV Nodal Dynamics During Ventricular-Triggered Atrial Pacing In Humans**, AJP: Heart

**Abstract:** In vitro experiments have shown that the complexity of atrioventricular nodal (AVN) conduction dynamics increases with heart rate. Although complex AVN dynamics (e.g., alternans) have been observed clinically, human AVN dynamics

during rapid pacing have not been systematically investigated. We studied such dynamics during ventricular-triggered atrial pacing

in 37 patients with normal AVN function (18 patients with dual AVN pathway physiology and 19 patients without). Alternans, which always resulted from single pathway conduction, occurred in 18 patients. In 16 patients (3 of whom also had alternans), quasiperiodic AVN conduction oscillations occurred (mean frequency 0.02 Hz); such oscillations have not been previously reported. There were no significant differences in the dynamics

for patients with or without dual AVN pathways. To illuminate the governing dynamic mechanism, a second atrial pacing trial was performed on 12 patients after autonomic blockade. Blockade facilitated alternans but inhibited oscillations. This study

suggests that rapid AVN excitation in vivo can lead to

autonomically mediated AVN conduction oscillations or single pathway alternans that are a function of inherent nonlinear dynamic AVN tissue properties.

**Complex**

**AV Nodal Dynamics During Ventricular-Triggered Atrial Pacing In Humans**, David J. Christini, Kenneth M. Stein, Steven M. Markowitz,

**1"**

**Suneet, Mittal, David J. Slotwiner, Sei Iwai, Bruce B.**

**Lerman, AJP: Heart 01/08/01; 281(2):P. H865-H872**

&nbsp;

**16. Predictability Of Catastrophic Events**, arXiv

Excerpt: We propose that catastrophic events are

"outliers" with statistically different properties than the rest

of the population and result from mechanisms involving amplifying critical cascades. Applications and the potential for prediction are discussed in relation to the rupture of composite materials, great earthquakes, turbulence and abrupt changes of weather regimes,...

Editor's Note: &nbsp;The relatively frequent occurrence of (up to

30m) "rogue waves" have been described as a result of non-linear phenomena in New Scientist, 01/06/30; unfortunately the article is not available on-line.

[Predic tability](http://www.unifr.ch/cgi-bin/physics/compta/compteur.pl?article=cond-mat/0107173&version=abs)

Of Catastrophic Events: Material Rupture, Earthquakes, Turbulence, Financial Crashes, Human Birth, D. Sornette, arXiv, cond-mat/0107173

&nbsp;

**17. Paediatric Head Injury, Brain**

<BLOCKQUOTE>Contributing Editor's Note:The immature brain,at a time when it is rapidly acquiring new information,responds differently

from the adult brain when subjected to an equivalent amount of mechanical force. Head injury in infants younger than 2 years of

age is second only to road traffic accidents as a cause of death in childhood.Measurable deficits occur even after mild to moderate head injury. Head injury in infancy and childhood causes

impaired cognition,motor impairments, disruption of attention and information processing, and psychiatric disturbances, even death. Still there is relatively little information about the structural

basis of the clinical deficits.

<P><I>Excerpt: The current belief is that head-injured infants are likely to have undergone shaking followed by sudden inertial injury from impact. "Why is it that there are continuing uncertainties about the nature, the distribution and the pathologies in accidental and non-accidental injury in infants and children?" To answer this,the authors have undertaken a meticulous clinicopathological correlation in 53 cases and data were analyzed by median age at head injury, statistically significant patterns of age-related damage emerged. The most important finding was "the predominant neurohistological abnormality in the cases of non-accidental injury in infants was due to hypoxia and not diffuse axonal injury".</I></P>

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<LI><A HREF="http://brain.oupjournals.org/cgi/reprint/124/7/1261" TARGET=new><FONT SIZE=" -

1"><B>Paedia tric

Head Injury</B></FONT></A><FONT SIZE="-1"><B>,</8> David I. Graham, Brain,Vol. 124, No. 7,1261-1262,

July 2001</FONT></LI>

<LI><FONT SIZE="-1">Contributed by </FONT><A HREF="http://www.atin.8k.com/" TARGET=new><FONT SIZE="-1">Atin

Das</FONT></A></LI>

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**18. Danish Study Finds No Link Between Cell Phone Use And Cancer**, J. Radial. Prot.

**Abstract:** No relationship between cellular telephone use and the incidence of cancer was found in a study of all Danish

users of cell phones. The study, which covered more than 400000

Danish users of cell phones from 1982 through 1995, compares the numbers of cancers observed in the group with the expected numbers of cancers calculated for cancer incidence rates in the entire

Danish population. No excesses of brain or nervous system cancers, of cancer of the salivary gland, of leukaemia, or of cancer

generally, were observed in cell phone users.

**Danish**

**Danish**

**Study Finds No Link Between Cell Phone Use And Cancer**, J. Radial. Prot. J. Radial. Prot 21No 2 (June 2001) 192-193, News And Information

Contributed by Atin

Das

&nbsp;

*Abstract: The Independent Expert Group on Mobile Phones (IEGMP) recommended precautionary approach. One of this was the adoption of International Commission for Non-Ionising Radiation Protection (ICNIRP). Another recommendation was that children should be encouraged to use mobile phones for essential purposes only, and to keep all calls short. Industry should refrain from promoting the use of phones by children which is under review. There is controversy again of using hands-free kits which is believed to greatly reduce exposures to the brain has been challenged by those who favour a different way of measuring such exposures. Work continues in order to develop a standard for such measurements.*

**Contributing Editor's Note:** A typical cell phone operates at a power output of 0.25 W, which is associated with a maximum rise in brain temperature of only 0.1deg C. Some limited laboratory tests point to a potential link between cell phone use and cancer.

**Editor's Comment:** Non-thermal effects of microwave radiation (such as what is emitted by cell phones) and biological systems has been observed for more than 20 years. Whereas the earlier discussions stressed that microwave photons have not enough energy for ionization effects it might be interesting to estimate the effects on dynamic processes like protein-folding.

**Mobile**

<http://www.iop.org/EJ/P/UNREG/Zfs9van,XszC,fiqZxo6ZQ/abstract/0952-4746/21/2/608>

**Phon**: Developments In The UK, J. Radiol. Prot. News And Information. 21No 2 (June 2001) 191-192

Contributed by <http://www.atin.8k.com/> Atin

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<P><B><A NAME=19></A>19.Chameleon Code Gives Hackers Advantage</B>, New Scientist</P>

<BLOCKQUOTE><I>Excerpts:&nbsp;</I>The arms race between malicious hackers and the guardians of computer networks looks set to intensify with

the development of "chameleon code". The new weapon could leave networks defenceless as malicious hackers gain access undetected.

</I>

<P><I>Hackers routinely break into networks using "scripts", instructions they send to the network to allow them to issue commands remotely. The hackers' new tool, known as polymorphic code, camouflages scripts so they can evade detection.

{...}</I></P>

<P><I>K2's camouflaging software can take the same script and make it look different every time it is used.</I></P>

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<LI><A HREF="http://www.newscientist.com/news/news.jsp?id=ns99991000" TARGET=new><FONT SIZE="-

1"><B>Chameleon

Code Gives Hackers

Advantage</B></FONT></A><FONT SIZE="-1">, Duncan

Graham-Rowe,New Scientist,01/07/12</FONT></li>

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[20. Links & Snippets](#)

[20.2](#) 20.1 Announcements:

[20.2.1](#) 20.1.1 Complexity Digest Site Design Competition!

We have had essentially the same site layout since November 1999. And it seems to work. But in the interest of embracing change and evolution, we want to consider modifications or a complete redesign. The people who have the most to gain from a redesign are the ComDig readers. And, given the experience of the community we served, you also have the most to offer.

To that end, we propose to run a design competition during the summer accepting entries of suggested layouts, structural ideas and anything that you think we should develop. The successful entry will have a monetary

reward, offer to be hired to complete the details and the satisfaction of seeing the work implemented.

Anyone, anywhere, any age is welcome. Submissions can be sent to: [editor@comdig.org](mailto:editor@comdig.org)

[editor@comdig.org](mailto:editor@comdig.org)

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<B><A NAME="20.2.2">20.1.2

Other Announcements:</8></FONT>

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<LI><A HREF="http://www.bham.ac.uk/personnel/d18673.htm" TARGET=new><FONT SIZE="-1"><B>EPSRC Research Fellow post</8></FONT></A><FONT SIZE="-1"> ,

Birmingham UK,to work on Fractals & Cancer.

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<LI><A HREF="http://www.din.umontreal.ca/msca-eng.html" TARGET=new><FONT SIZE="-1"><B>Design and Complexity MScA (design et

complexit&eacute;)</B></FONT></A><FONT SIZE="-1"> , Universit&eacute;de Montr&eacute;al</FONT></LI>

<LI><A HREF="http://www.unisa.it/eventi/emecj" TARGET=new><FONT SIZE="-1"><B>International Master Economics & Complexity,</B></FONT></A><FONT SIZE="-1"> Universit&agrave; degli Studidi Salerno</FONT></LI>

<U><FONT SIZE="-1">SFI Graduate Workshop in

</FONT><A HREF="http://www.santafe.edu/sfi/research/researchUpdate/workshops.html" TARGET=new><FONT SIZE="-1"><B>Computational

Economics</B></FONT></A><FONT SIZE="-1"> ,Santa Fe, NM,

01/07/15-28 </FONT> <FONT SIZE="-1">(Limited

Participation)</FONT></LI>

<li><FONT SIZE="-1">The 3<SUP>nd</SUP> Symp. on Systems

Res. in the Arts </FONT><A HREF="http://www.shorter.edu/jrhodes/bb2001/symp2001.htm" TARGET=new><FONT SIZE="-1"><B>Music,

EnvironmentalDesign, and the Choreography of Space</8></FONT></A><FONT SIZE="-1"> ,Baden-Baden, Germany,01/07/30-08/04</FONT></LI>



[SFI](http://www.santafe.edu/sfi/research/researchUpdate/workshops.html)  
1"><B>Complex

Systems Summer School,

Budapest</B></FONT></A><FONT SIZE="- "><B>,</B> Santa Fe, NM,01/07/16-08/10 </FONT> <FONT

SIZE="-1">(Limited Participation)</FONT></LI>

[SFI Workshop on](http://www.santafe.edu/sfi/research/researchUpdate/workshops.html)  
1"><B>Poverty

Traps," </B></FONT></A><FONT SIZE="-1">Santa Fe, NM,

01/07/20-22 </FONT> <FONT SIZE="-1">(Limited

Participation }</FONT></LI>

[<B>6<SUP>th</SUP>](http://www.agnld.uni-potsdam.de/shw/Workshop/04_ECC6/index.html)

Experimental Chaos Conference

</8></FONT></A><FONT SIZE="-1">Potsdam,Germany

01/07/22-26</FONT></LI>

[<B>Fractal Structures and](http://piI.phys.uniroma1.it/cuba/home.html)

Self-Organization</8></FONT></A><FONT SIZE="-1">, L'Habana,Cuba,01/07/23-28</FONT></LI>

[1ntl. Conf.</FONT><A HREF="http://www.theo-physik.uni-kiel.de/networks" TARGET=new><FONT SIZE="-1">](http://www.theo-physik.uni-kiel.de/networks)

<B>DYNAMICAL NETWORKS IN COMPLEX SYSTEMS</B></FONT></A><FONT SIZE="-1">, Kiel,Germany,

01/07/25-27</FONT></LI>

<LI><A HREF="http://www.santafe.edu/sfi/research/focus/compPhysics/projects/mathematicalModels.html" TARGET=new><FONT SIZE="-1"><B>SFI&nbsp;

Summer Workshop: Mathematical Models in Molecular and Cellular Biology</8></FONT></A><FONT SIZE="-1">,Santa Fe,New Mexico,01/07/29-08/10 </FONT>

<FONT SIZE="-1">(Limited Participation)</FONT></LI>

<LI><A HREF="http://www.societyforchaostheory.org" TARGET=new><FONT SIZE="-1"><B>11<SUP>th</SUP> Annual International Conference The Society For Chaos

Theory in Psychology & Life Sciences</B></FONT></A><FONT SIZE="-1">, Madison, WI, USA,01/08/3-6</FONT></LI>

<LI><A HREF="http://www.ulg.ac.be/mathgen/CHAOS/CASYS.html" TARGET=new><FONT SIZE="-1"><B>S<SUP>th</SUP>

Inti Conf on COMPUTING ANTICIPATORY SYSTEMS</B></FONT></A><FONT SIZE="-1">, Liege, Belgium,

01/08/13-18</FONT></LI>

<LI><A HREF="http://mapage.noos.fr/lemirandOOvIeca1-music.html" TARGET=new><FONT SIZE="-1"><B>Artificial Life Models for Musical

Applications</8></FONT></A><FONT SIZE="-1"><8>,</B>

</8></FONT><A HREF="http://www.cs.cas.cz/ecai2001/"><FONT SIZE="-1"><B>Workshop of the 6<SUP>th</SUP> European Conference on Artificial

Life</8></FONT></A><FONT SIZE="-1"><8>,</B>Prague,Czech

Republic,01/09/09-14 </FONT></LI>

<LI><A HREF="http://www.inefc.es/barcelona/complex.htm" TARGET=new><FONT SIZE="-1"><B>Complex

Systems And Sports</B></FONT></A><FONT SIZE="-1">, Barcelona,Spain,01/09/14-15</FONT></LI>

<LI><FONT SIZE="-1">5FI&nbsp;Workshop on </FONT><A HREF="http://www.santafe.edu/sfi/research/researchUpdate/workshops.html"><FONT SIZE="-1"><B>Economic

Inequality and Economic

Sustainability</B></FONT></A><FONT SIZE="-1">,<B>Santa Fe, NM,01/09/21-23</FONT><FONT SIZE="-1"><B>(Limited Participation)</FONT></LI>

<LI><A HREF="http://www.Ips.ens.fr; weisbuch/fanon.html" TARGET=new><FONT SIZE="-1"><B>Frontiers in Social Sciences

Simulations</B></FONT></A><FONT SIZE="-1">,<B>Kazimierz

Dolny,Poland,01/09/21-23</FONT></LI>

<LI><A HREF="http://national-academies.org/nas/colloquia" TARGET=new><FONT SIZE="-1"><B>Adaptive

Agents,Intelligence and Emergent Human Organization: Capturing Complexity through Agent-Based Modeling</B></FONT></A><FONT SIZE="-1"><8>,<B>Arthur M. Sackler Colloquium of the National Academy of Sciences,

Irving CA,01/10/5-6</FONT></LI>

<LI><A HREF="http://crater.sie.arizona.edu/tesadi.html" TARGET=new><FONT SIZE="-1"><B>International

Symposium on Technology, Economic and Social Applications of Distributed Intelligence (TESADI'01)</B></FONT></A><FONT SIZE="-1"> at the

</FONT><A HREF="http://crater.sie.arizona.edu/index2.html" TARGET=new><FONT SIZE="-1"><8>2001

IEEE International Conference on Systems, Man,and Cybernetics (SMC'01)</B></FONT></A><FONT SIZE="-1">,<B>Tucson,Arizona, USA,01/10/7-10</FONT></LI>

<LI><A HREF="http://serpiente.dgsca.unam.mx/ceiich/workshop/wic.html" TARGET=new><FONT SIZE="-1"><B>Workshop

On Interdisciplinary Studies And Complexity</B></FONT></A><FONT SIZE="-1">,<B>Nationa I University of Mexico, 01/10/22-26</FONT></LI>



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