Tutorials: Modeler 3D ■ Dir Opus ■ Photogenics ■ ProCalc ■ Video Ideas

CU

AMIGA MAGAZINE

May '95 £3.95

HARDWARE

WORTH £200!

ProDraw3
Full Program!

PLUS

Superb demos of OctaMED 6 and Baldies!

10 PRINTERS
ON TRIAL FOR DTP WP AND GRAPHICS

PLUS:

FITTING A HARD DRIVE
SAVE MONEY BY FOLLOWING OUR STEP BY STEP GUIDE

CREATING PICTURES
WHICH ART PACKAGE IS REALLY THE BEST?

ECTS:
WE REPORT FROM EUROPE'S BIGGEST GAMES SHOW

COMMODORE SHOCK!
NEW EUROPEAN BID REVEALED: WHAT WILL HAPPEN TO AMIGA? P20

HI-Quality Version Available at AMIGALAND.COM

NO DISKS ATTACHED? ASK YOUR NEWSAGENT

Games:

- Brutal
- Fears
- Evasive Action
- Super Skidmarks 2
- Super Loopz

9 770963 009020 05

Next Day **£5.00**
2-3 Days **£2.50** Saturday **£10.00**
Deliveries are subject to stock availability
Allow up to 7 days for cheques to clear

POWER

TELEPHONE **01234 273000**

POWER COMPUTING LTD
44a/b Stanley St. Bedford MK41 7RW
Tel **01234 273000** Fax **01234 352207**

CD-ROM

NEW CD-ROM INC. CD32 EMULATION

£199
x2 CD-ROM

DOUBLE SPEED CD ROM

£299
x4 CD-ROM

QUAD SPEED CD ROM

Hi Quality Version Available on AMIGALAND.COM

POWER CD-ROM

The new Power CD-ROM for the Amiga 600/1200 plugs directly into the PCMCIA port and provides a direct SCSI-I and SCSI-II interface, allowing up to six additional peripherals to be connected, for example: Syquest Drives, Hard Drives, Flatbed Scanners and Dat Drives. What's more the Power CD-ROM features a 'Hot-Plug' and 'Un-Plug', which allows you to connect/disconnect at any time the Power CD-ROM and any additional devices, even when your Amiga is switched on.

The CD-ROM comes with a SCSI interface, PSU, manual, audio lead, mains lead* and software: Audio CD, CD32 Emulation, MPEG Film Decoder and PhotoCD software.

COMPARISON CHART

	POWER	OTHER
DOUBLE SPEED, MULTI SESSION	✔	✔
MAX TRANSFER (INTERFACE)	3MB	1.5MB
CD32 EMULATION	✔	✔
NUMBER OF SUPPORTABLE DEVICES	1	1 OR 2
THRU PORT FOR ADDITIONAL DEVICES	✔	-
HIGH QUALITY METAL CASING	✔	-
FULLY SUPPORTS 'HOT UN-PLUG'	✔	-
AUTOMATIC BOOTING OF CD-ROMS	✔	-
CD + AMIGA SOUND MIXING FACILITIES	✔	✔
COMPATIBLE WITH ACCELERATOR CARDS	✔	1
12 MONTHS WARRANTY	✔	✔
COMPLETE WITH UTILITY SOFTWARE	✔	-
COST:	£199	£199

Amiga 600/1200

Double - Speed CD-ROM £199

Quad - Speed CD-ROM £299

Amiga 4000 No SCSI Interface

Double - Speed CD-ROM £159

Quad - Speed CD-ROM £259

Accessories

Amiga 4000 SCSI-Interface . £129

Multi-media Speakers 80 Watt £54

*UK only

Trade and Educational orders welcome · Worldwide distribution available

All prices include VAT Specifications are provisional subject to change without notice. All trademarks are acknowledged. All orders in writing or by telephone will be accepted only subject to our terms and conditions of trade copies of which are available free of charge on request.

Next Day **£5.00**
2-3 Days **£2.50** Saturday **£10.00**
Deliveries are subject to stock availability
Allow up to 7 days for cheques to clear

POWER

TELEPHONE 01234 273000

POWER COMPUTING LTD
44a/b Stanley St. Bedford MK41 7RW
Tel **01234 273000** Fax **01234 352207**

VIPER 6030

VIPER 68030 SERIES

- RAM Up to 8MB (Viper 1)/128MB (Viper 2)
- Full Kickstart Remapping
- Optional SCSI-II adaptor
- On-board battery backed clock/68882 Co-processor
- Instruction and data burst modes

Viper -I 28MHz		Viper -I 33-42MHz	
PGA/PLCC, FPU upto 50MHz		PGA/PLCC, FPU upto 50MHz	
Bare Board	£115.95	Bare Board	£169.95
4MB Viper	£249.95	4MB Viper	£299.95
8MB Viper	£399.95	8MB Viper	£439.95

Viper -I 28MHz		Viper -I 40MHz EC	
PLCC only, FPU upto 40MHz		PLCC only, FPU upto 40MHz	
Bare Board	£135.95	Bare Board	£199.95
4MB Viper	£269.95	4MB Viper	£329.95
8MB Viper	£419.95	8MB Viper	£469.95

Viper Co-processors		Viper Options	
28MHz FPU	£25	SCSI-II Adaptor	£79
33MHz FPU	£50	4MB SIMM	£139
40MHz FPU	£70	8MB SIMM	£299
50MHz FPU (PGA)	£100	Other SIMMS	£POA

Complete with Crystal Blizzard Board compatible

VIPER 68030

68030 40MHz RC or 50MHz RC with MMU, RAM upto 128MB, FPU-PGA only.

Bare 40MHz	£229.00
40MHz-4MB	£379.00
40MHz-8MB	£499.00
Bare 50MHz	£249.00
50MHz-4MB	£399.00
50MHz-8MB	£519.00

POWER 1208

- A1200 RAM board
- PCMCIA friendly
- Uses 1 x 32 SIMM
- Amiga Format Gold award
- Expand upto 8MB

GOLD

2MB	£139.00
4MB	£189.00
8MB	£329.00

XL 1.76MB

The XL Drive 1.76MB measures half the height of a standard external floppy drive and allows you to store a massive 1.76MB on a high density disk. The A4000 internal drive fits perfectly underneath the original drive and no case cutting is required.

EXTERNAL	£89.95
INTERNAL	£85.00
A4000 INT.	£85.00

POWER DRIVE

The Power Drive now includes Blitz Amiga and Floppy Expander, free. Floppy Expander allows you to compress files on floppy disks by up to 50%. Other features include: Anti-Click, Anti-Virus, Isolation Switch, 2 Year Warranty, Thru'port, Cyclone Compatible Chip, Backup Hardware and Blitz Compatible feature.

EXTERNAL	£49.95
CYCLONE S/W ONLY	£10.00

INTERNAL DRIVES

Our internal drives use the same drive mechanisms as the Amiga to ensure complete compatibility.

PC881 A500	£30.95
PC882 A2000	£30.95
PC883 A600/1200	£35.95

All products have a 12 month warranty unless otherwise specified

Trade and Educational orders welcome - Worldwide distribution available

Hi Quality Version Available on AMIGALAND.COM

contents

CU AMIGA MAGAZINE • MAY 1995

Cover Features

Printer showdown 27

Which is the best printer for you? Whether you need a printer for DTP, graphics, professional documents or rough program listings, there's something on offer in our round-up of the best ink jet, dot matrix and laser printers. But it's more than just a buyers guide. It's got detailed graphic descriptions of the technology behind the various technologies and advice on which type of printer is best suited to your needs.

Fitting Hard Drives 34

Hard drives have never been cheaper and there's never been a better time to fit one to your A600 or A1200. Let's face it, very few Amigas have been sold in the last year, so invalidating the warranty is no longer an issue! We show you how it's done on page 34. It's a lot easier than you might think.

Hi Quality Version Available on AMIGAAND.COM

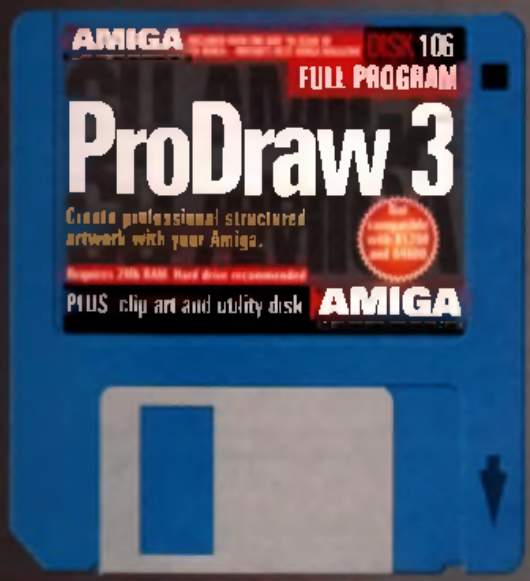
Get Serious

- **Micro Studio 2000** 72
  Possibly the most powerful video tool ever available to the Amiga user, combining a genlock, chromakey, TBC and video and audio mixing in one box. Tony Horgan gives it a thorough workout.
- **My-Money** 74
  A new low-cost personal finance planner gets the privilege of playing with Andy Leaning's readies.
- **CD-ROM Round Up** 78
  Six new CD-ROMs are taken for a spin: Multimedia Toolkit, The Beauty of Chaos, Imagine Enhancer, Art Backgrounds Collection 'A', Weird Science Clipart and 3D Arena.
- **Which Paint Package?** 82
  We test the four main paint packages for their ability to produce complete pictures from scratch – no scanners, digitisers or clip art allowed! *Photogenics 1.1, Deluxe Paint IV AGA, Personal Paint 6.1* and *Brilliance 2* go head to head.

Public Domain

- **PD Scene** 88
  An explosion of games has leant this month's PD Scene a joystick-waggling air, but there's still plenty for demo junkies too.
- **PD Utilities** 91
  Graphic Adventure Creator is hailed as "the best licenseware release ever" in this month's comprehensive guide to the more serious side of the public domain.

Cover disks



ProDraw 3
8
Professional structured drawing comes to your Amiga. Check out the details of this fully featured program on page 8.

OctaMED 6
12
Get a taster of the latest version of the Amiga's top music sequencing package.

Baldies
15
Command an entire race of follicularly-challenged cuties in the latest twist on the God simulation theme.

Games

PREVIEWS

- **Brutal – Paws of Fury** 43
  Cuddly forest animals replace blood and guts in this new beat 'em up.
- **Player Manager 2** 47
  The grand-daddy of management footy sims gets an update.
- **Fears** 47
  Could this finally be the *Doom* alone we've been waiting for?
- **Virocop** 48
  Wipe out the viruses and restore the games arcade to its former glory.
- **Final Over** 48
  Frankly it's not cricket. Well it is actually and it looks pretty good too.

REVIEWS

- **Super Skidmarks 2** 50
  Car racing gone crazy, with cows and caravans!
- **Super Loops** 53
  Take *Pipemania*, change it a bit, and what have you got?
- **Italia '95** 56
  Take on a top Italian football league team in a bid for stardom.
- **Premier Multi Edit System** 56
  Editing system for Premier Manager that allows you to customise entire leagues.
- **Man United – The Double** 59
  The best update of the Manchester United series yet?
- **VFM** 65
  Award Winners Platinum Edition and Space Hulk get the budget treatment this month.

CD32

- **ATR** 60
  All Terrain Racing spins onto the CD32.
- **Theme Park** 60
  All the fun of the fair, on a CD.
- **KingPin** 62
  Want a bowling game? This should be right up your alley.
- **The Clue** 62
  Plot bank jobs and make your fortune, without the risk!

PLAYERS GUIDES

- **Lords of the Realm** 69
  The final part of our guide to this Olde Englands simulator.
- **Dreamweb** 66
  Overcome the forces of darkness with the final part of our guide.

ECTS Show Report 40

We reveal all the latest releases and gossip from the European Computer Trade Show; traditionally the launch pad for the computer industry's biggest and boldest new projects.

Hi Quality Version Available on AMIGALAND.COM

Editorial

The Amiga is dead long live the Amiga. By April 20th the Amiga's new master should be announced. Will it be Commodore UK who win the bid, with David Pleasance at the helm? Or will it be an American distributor, a German PC manufacturer and retailer or some other outsider? The biggest hope for the Amiga itself has to lie with the Commodore UK bid. They have the experience and commitment and they know the market. But no-one really knows what will happen if it goes to another party. Escom, reported in this month's news as a rival bidder, has the retail network both here in the UK, on continental Europe and in the USA to put the Amiga or some derivative of it back into the shops alongside its PCs, but will it do so? And will it support the existing user base? With the Amiga out of production for over a year now it is going to take time and money to get the format back on track. Whoever wins the bid will have to act quickly and decisively for all our sakes.

And more

News 20
One of Europe's leading PC manufacturers has been reported as making a bid for the assets and trademarks of Commodore International. Could this be the future of the Amiga? Also game giants Ocean join forces with Team 17, while a German developer has software it claims will allow your Amiga to write to a normal CD-ROM disk.

Fancy League Results – Month One 126
Results of the first month's games in the Sensible World Of Soccer Fancy Football League.

Workshop

Directory Opus 98
Andy Leaning explains how to give your disk icons *Directory Opus* artificial intelligence.

ProCalc 100
Calculating interest rates with *ProCalc* is easy when you know how.

Buyers Guide 101
How to get the best deal, avoid the sharks and get your money's worth.

Graphics Masterclass 102
More advanced tips and tricks for *Photogenics* are revealed in this month's masterclass.

Modeler 3D 105
The final part of our *Modeler 3D* tutorial covers the remaining options, plus a few general tips.

Video Ideas 108
Space cadet Tony Horgan shows how to make dynamic animations and effects using colour cycling.

Questions and Answers 116
Technical problems tackled by Tony and Andy.

Frequently Asked Questions 119
Modems, the Internet and Comms are de-mystified by John Kennedy.

Q+A Masterclass 120
New compression techniques tested, plus how to spruce up your *Workbench*.

Tony Horgan's Sound Lab 122
Advanced tips for mixing samples, simulating 16 track systems using 4 sample channels!

Backchat 124
Reader's opinions in print.

Points of View 126
Mr Comms himself, John Kennedy, has a surprise go at bulletin boards!

Advertisers' Index

1ST COMPUTER CENTRE....68	0113-2311444	KOMPART UK .....O.B.C	01438-840004
17 BIT SOFTWARE.....93	01924-366082	MICROPROSE....11	0454 329 532
ACTIVE SOFTWARE 79	01325-352260	NOBLE HOUSE.....89	
AMCO.	78131 731 7xbl	OBL ASSOCIATES. ...67	01543-250377
BRIAN LOVELY COMPUTERS....84	01282-499755	PD UNDERGROUND. . . 80	01702-338887
CARE ELECTRONICS 34	01923-894064	PD SOFT.....83	01702-466853
CU AMIGA CLASSIFIEDS....113-11	071-972 6700	POWER COMPUTING.... IFC, 3	01234-843388
DELTRAN PD 80-81	01482 810981	PREMIER MAIL ORDER....123	01268-271172
DIRECT SOFTWARE 84	01908-379686	SEASOFT 18d, 119	01403-865179
EMPIRE SOFTWARE 19	0141 343 7337	SELECT A FONT. . . . 84	01702-363300
EPIC MARKETING . . . 2n, 48, 76-77		SILICA SYSTEMS 33, 35, 48, 49	081-309 1111
EXCLUSIVE PD.....89	01705-642409	SOFTWARE 2000.....84-85	01374-678068
FAST COMPUTER SUPPLIES....58	0171-252 3553	SOFT XPRESS.....86	01908-277177
FLASHTECH.....70	01730-321999	STAR MICRONICS....25	01494-471111
GORDON HARWOOD....13,37,87,93	01773-836781	THE ONE AMIGA.....118	0171-972 6700
GREYTRONICS.....61	0161-838 9973	VISAGE COMPUTERS.....42, 90	0115-9444901
HI SOFT AVR.....14	01525-718181	WEIRD SCIENCE.....22	0116-2340052
IMPRESSIONS SOFTWARE.....13	0171 351 2133	WIZARD DEVELOPMENTS.....52	01322-272908
INDI DIRECT.....54-55	01543-413000	WIZARD GAMES.....38	01723-376586
		ZONE 1.....67	01785-813355

Hi Quality Version Available on AMIGALAND.COM

Editorial

EDITOR: Alan 'fruit diet' Dykes
DEPUTY EDITOR: Lisa 'tuna diet' Collins
TECHNICAL EDITOR: Andy 'cheese sandwich diet' Leaning
REVIEWS EDITOR: Tony 'gas noodle diet' Horgan
GROUP ART EDITOR: Jeff 'microchip diet' Zie
ACTING ART EDITOR: Helen 'air-tablets' Denby
ADDITIONAL EMERGENCY DESIGN: Alison 'cigarette diet' O Donnell
TECHNICAL CONSULTANT: John 'guinness diet' Kennedy
CONTRIBUTORS: Peter Lee, Andy Mitchell, Wamyna, Andee Digard, Bik Skewis, Tony Dillon, Martin Daviet and Stevie 'groove tuner' Lee Webb.
PHOTOGRAPHY: Mark Gamblonde

Advertising

Ad MANAGER: Justine 'I want a fruity cocktail please' Carlson
SENIOR SALES EXEC: Chris 'the highly unlikely Kevin Keegan lookalike' Perera
AD PRODUCTION: Tina 'ad time' Gynn and Vicky 'sitting comfortably' Jacobs
PRODUCT MANAGER: Fiona 'you're getting latex and latex' Matlock
HEAD OF MARKETING (AND SNAPPY DRESSING): Nigel 'Yves' Taylor
PUBLISHING DIRECTOR: Graham Taylor
EDITORIAL DIRECTOR: David Kelly
MANAGING DIRECTOR: Terry Pratt
(We dare not say anything silly about the these directors!)

Contacts

When contacting CU AMIGA there are two golden rules.
1: Send your letters etc to the right department and please do not send a stamped self-addressing envelope.
2: Please remember that we have to write and produce your favourite magazine every month, so try to keep your correspondence short and to the point. Although we'd love to, we cannot reply immediately to the hundreds of calls, letters, and faxes we get. Answers have to be through the pages of the magazine only.

ADVERTISING AND ADVERTISING PROBLEMS
If you wish to advertise, or have a problem with a [illegible] in CU AMIGA our advertising team can help. Contact Chris Perera on 071-713 5285, or write to them at CU AMIGA Advertising, Durrant House, 9 Herbal Hill, London EC1R 5EJ.

READERS' LETTERS AND TECHNICAL PROBLEMS
For general, non-technical, enquiries send your letters to Backchat, for technical problems send them to Q&A. Both are at CU AMIGA, Priory Court, 30-32 Farringdon Lane, London EC1R 3AU.

PD SUBMISSIONS
We get hundreds of new PD programs every month, but we're still hungry for more. If you've written a PD program that you're proud of send it to the PD ZONE, CU AMIGA, Priory Court, 30-32 Farringdon Lane, London EC1R 3AU.

COMPETITIONS
CU AMIGA runs numerous competitions almost every issue. To enter one of these simply put your name and address on the back of postcard, along with the answers and send them to us at the usual address. Competition entries are only accepted by post. One entry per person please and the editor's decision is final. Winners will be notified by post. Other rules may be printed from time to time.

SUBSCRIPTIONS and BACK ISSUES
If you're fed up with hunting around for CU AMIGA every month there's an easier way of getting your favourite mag[illegible] - see page 124 for details. The subscription hotline and back issues number is 0858 468888.

SUBSCRIPTION DETAILS
Subscriptions are available from Tower Publishing, Tower House, Sovereign Park, Lathkill Street, Market Harborough LE16 9EF Tel: 0858 468888, annual subscription rates (inc postage) 12 issues: UK/BFPO £47.40. SURFACE/ROW £55.00. AIRMAIL EUROPE £60.00. AIRMAIL ROW ZONE 1 £90.00. AIRMAIL ROW ZONE 2 £96.00.

COVER DISK PROBLEMS
If you have a faulty cover disk then write or return your disk to our 3.5 inch people: CU AMIGA COVER DISK RETURNS, DISCSPARES, UNIT 7, BELLOWS COURT, SOUTTON INDUSTRIAL PARK, SOUTTON-ON-THE-HATES, GLOUCESTERSHIRE, GL54 5HD.

COMMS
You can contact Andy Leaning, via the Internet/Email CUAMIGA@cix.compulink.co.uk. Please keep email brief and to the point.

© EMAP Images 1994. No part of this magazine may be reproduced in any form, either electronic or mechanical, without the written permission of the publishers. PRINTED IN THE UNITED KINGDOM. ABC: 61,408 Jan – June 1994.

PLAYER Manager 2

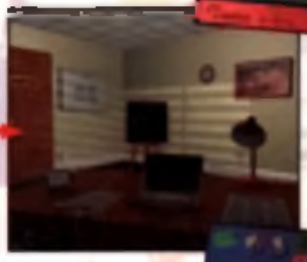
Player Manager 2 is a football management simulation with ONE BIG DIFFERENCE - you can actually test your managerial decisions where it counts - on the pitch.

Club History

Match Report

Stadium Improvement

Tactics Designer

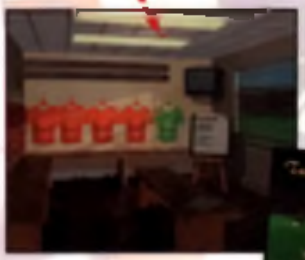


Manager Ratings

Hi Quality Version Available on AMIGALAND.COM

Set Play Designer

Coach Assessment



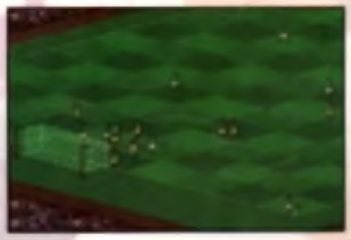
Individual Player Team Talk

Features that add superb arcade action to playable management.

Side View

Top Down

Isometric



ANCO

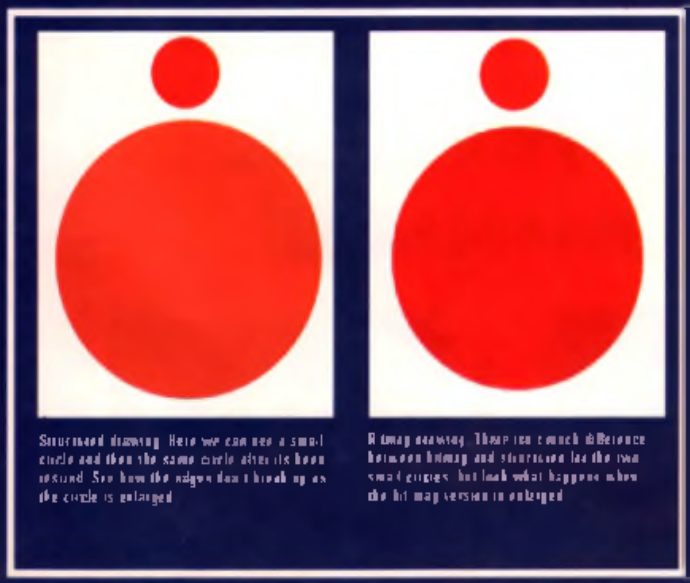
For more detailed information please write to Anco, 7 Millside Industrial Estate, Lawton Road, Dartford, Kent DA1 5BH. Screenshots vary from format to format.

AVAILABLE FOR AMIGA & PC CD ROM

DISK 106

ProDraw 3

Hi Quality Version Available on AMIGA



Structured drawing. Here we can see a small circle and then the same circle after it's been resized. See how the edges don't break up as the circle is enlarged.

Bitmap drawing. There is much difference between bitmap and structured for the two small circles, but look what happens when the bit map version is enlarged.

This month we've got something a little special for you. Not only the stonking ProDraw program (worth £200) but also a bladder-busting demo of OctaMED 6.

ProDraw 3

ProDraw is a complete structured drawing package, allowing you to create stunningly detailed pictures, illustrations, logos and artwork. You can load these pictures into a DTP program for printing or convert them to IFF format for use in any normal graphics program. Even better, unlike with normal Amiga programs, when you resize these images they will remain just as good as the original, and won't go all blocky or jaggy. If you print them out (using a DTP program for instance) they will take advantage of the print resolution, getting better and sharper as your printer resolution increases.

Structured drawings work on a different principal to bitmap drawings. *DPaint*, *Brilliance* and other bitmap based programs work by having a screen full of different coloured pixels. Pictures are drawn by changing the colours of the pixels. When the pixels are small, you can't see the joins, but if they're blown up, the stepped edges become apparent. When you save the picture, every pixel and its colour value is saved.

Structured drawing (sometimes called vector graphics) programs

Compatibility

This is the full version of ProDraw 3 and works on all Workbench 1.3 and 2.04 systems. However due to bugs in the program, beyond our control, ProDraw does not work on Workbench 3 Amigas – the A1200 and A4000. OctaMED 6, the exclusive demo, (found on this month's game disk 107) does however work on Workbench 3 systems – have fun.

Feature Overload

ProDraw is just overflowing with professional features and capabilities. In fact it's overloaded with features that both new users and professional graphic artists will find useful. Amongst the more interesting ones are:

- Text distortion tools
- Wrap text around curves
- Gradient colour fills - radial and linear
- Import Encapsulated Postscript and bitmap graphics
- Save as Encapsulated Postscript for use with almost every DTP program
- Pantone colours for professional colour work
- Utility to convert bitmap pictures to structured drawings and vice-versa

These are all possible with our cover disk. You'll also find a range of utilities and simple clip art to help you get started – all courtesy of your friends at CU Amiga Magazine.

on the other hand store only the data for the shapes that make up the picture, describing them as mathematical formulas. When you expand a *ProDraw* picture your Amiga looks at the shapes and redraws them at the new resolution, taking advantage of the increased number of pixels. In a bitmap program the pixels are stretched so pictures that looked good suddenly become blocky. Even if you stretch a *ProDraw* picture hundreds of times it won't lose any quality – try doing this in *DPaint*! Creating pictures in *ProDraw* will mean that they always look good, and get better when you show or display them on a high resolution monitor or printer.

Easily adapted

It's also easier to change a structured drawing. In *DPaint* when you draw a circle it becomes part of the picture – you're just changing the colours of the pixels in the area of the circle. To change the circle size you'll need to change the colour of the pixels again. A structured drawing program on the other hand holds the picture data as shapes that float on the page – they can be moved and changed at will. To resize a circle just grab the circle and drag it around! If a diagonal line is in the wrong place click on it, pick up one end and drag it to a new location –simple.

There are other advantages as well. By only saving the mathematical shape data, structured drawing files are much smaller than bitmap IFF files. A black page with a red circle in would be saved as 'draw a page, paint it black. Draw a red circle, 10mm in diameter, in the middle of the page'. *DPaint* would have to save every pixel in the page, regardless of the fact that only a small area in the middle was being used.

Over the next few pages you'll find comprehensive details on how to decompress and use this powerful program, and on page 12 you can find out about all the exciting new features in *OctaMED 6*. Over the coming months we'll also be running a series of tutorials showing you how to get the most out of *ProDraw*.

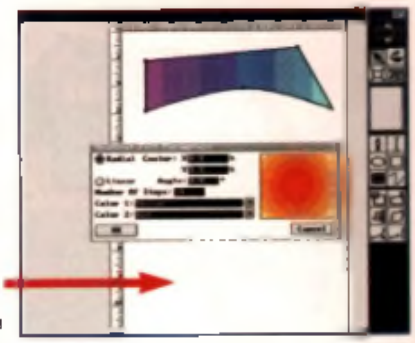
Manic menus

Take a look at the panel on the right and try out the various tools. After experimenting them with for a while you should be familiar with the basic tools of *ProDraw* and will be well on your way to being able to create detailed illustrations and logos. And *ProDraw* can do even more.

ProDraw Explained

This is the drawing area. Objects (lines, circles, squares and text) are drawn here. To draw an object use the tools on the right hand side. Objects are selected by clicking on the Null Pointer tool and then clicking on the visible edges of objects. To select more than one object hold the Shift key down whilst selecting them or use the Marquee tool and drag a box around the objects.

To delete an object select it and press the Shift and Delete keys at once. You can abort most drawing operations by pressing Escape. You can also force the program to redraw the display at any point by pressing the space bar.



▲ ProDraw can create stunning graduated fills of different kinds. Here can be seen both Linear and Radial fills in action.

NULL POINTER TOOL: Click here to move an object or existing object. Click on the edge of an object & ten of control points will now appear, drag these around to change the shape of any object. Alternatively click on the edge of an object and drag it to move the entire shape. You can also click on an object and then double click on the Null Pointer tool bringing up a requester allowing you type in object positions.

MAGNIFY: This provides a close up view of your work for accurate object editing. Click on the tool. Place the crosshairs in the centre of the area you want magnified and drag the mouse out to the edge of the area. The screen will now update showing a blown up view of this area.

FREE TOOL: Click on this for lines and Bezier curves. For lines move the cross hairs into the drawing area and click once. Now move the cursor to another location and click again a line will appear between the two points. You can keep drawing lines until Escape is pressed. For Bezier curves move the cross hairs to the drawing area and while holding down the mouse button move the cursor around and release it when finished. A curve will now appear.

ELLIPSE TOOL: For drawing ellipses or circles. Click once on the drawing page, move the cross hairs away from it and an ellipse will appear. Click again to draw the ellipse. To constrain the Ellipse to equal vertical and horizontal radii (creating a circle) hold down the ALT key while moving the mouse.

GRID TOOL: Creates a grid on table. Click on this tool then drag out a box. A rectangle divided vertically and horizontally will now appear. Double clicking on the tool icon allows you to specify the number of rows and columns in the grid.

SIZING TOOL: With this tool you can change the size of existing objects. Click on this tool then with the crosshairs that appear click on one corner of an object. Now move the crosshairs to a different point (away from the object) and press the mouse button – but don't release it. As you move the mouse the object size will change. Press the mouse button to set the size. To resize an object more accurately select an object and then double click on the sizing tool icon.

MIRROR TOOL: Imagine drawing a shape and then holding a mirror next to it, this is what the Mirror tool does! Select the objects you want mirrored. Click the crosshair cursor on the object – this acts as a centre point of the operation. Now move the crosshairs to a new point and drag the pointer – a line will appear indicating the surface of the mirror, it is a visual guide only. Drag the crosshairs in the direction you wish to rotate the mirror and release the left mouse button.

ADDA TOOL: Adds extra control points to Bezier curves and other objects – rectangles, circles etc. Select an object. Click on the tool and move the cross hairs to where you want the new control point to appear. Press the left mouse button. Dragging the mouse instead of releasing it will allow you to alter the shape of the segment of the Bezier curve.

ZOOM TOOL: This allows you to set a range of different zooms. Due to space limitations we'll be covering these in a future issue.

GROUP SELECTION: Allows you to quickly select one or more objects. Click on the tool and drag a box around the objects to be selected – they will then be picked.

TEXT TOOL: Click here to enter text on the page.

RECTANGLE TOOL: This allows you to draw rectangles and squares. Just like the Ellipse tool you can constrain the horizontal and vertical dimensions by holding down the ALT key – in this case drawing a square.

CURVE TOOL: Allows you to draw freehand curves. Click on the tool, move to the drawing area and now press and hold down the left mouse button. Drag it around – you'll see a line appear. Once you've finished drawing release the mouse button. The tool will now be converted to a series of Bezier curves which you can edit to form perfectly smooth curves.

ROTATION TOOL: Any guesses what this does? Select an object. Click on the rotation tool and with the crosshairs click on either a vertical or horizontal axis. This tells the program which axis the object will be rotated through. Move the crosshairs to a different point, hold down the left mouse button and drag the mouse – the object will then be rotated. You can also rotate an object by entering rotation angles in same way as the sizing tool works.

DISTORTION TOOL: Changes an object's shape. Select an object. A rectangle with control points on it will appear around the object. You can now drag these points to distort the shape of the object. By holding down the Shift key and moving a corner point the two sides attached will make the points a straight line. The ALT key makes the distortion vertically symmetrical, and the Control key makes it horizontally symmetrical.

CUTTER TOOL: Cuts Bezier objects into smaller objects. Select an object. Pick the cutting tool and click on the control point or the Bezier where you want to cut the object. Now hold releasing the mouse button drag the control point to it's new location. Holding down the ALT key whilst pressing the mouse button allows you to delete a control point without cutting the curve.

HI Quality Version Available on AMIGALAND.COM

Speeding things up

Structured drawings are made up of mathematically defined shapes. To display these shapes it can often take a few minutes to work out the complex calculations required and as a result you will often find yourself waiting for the program. This is the case with all structured drawing programs, on Macs, PCs and Amigas. But *ProDraw* has the answer. You can turn off the full detail coloured display and work with just object outlines, using the full colour mode just to preview and check your work – making performance much faster. This is how most users work in *ProDraw* and other drawing packages. In fact the leading drawing program on the Mac (*Illustrator*) has only recently allowed you to edit pictures in full colour mode, previously forcing you to work in its 'Artwork' mode.

***ProDraw* loads with its outline mode 'Wireframe' selected as standard. To view a picture in full detail click on the Wireframe option under the Preferences menu – so there's no tick next to it. To see it in colour click on the Black & White line under the same menu. By turning these modes on, with a tick, you can make the display update quicker and faster. Working in Wireframe mode has no effect on the picture content, it merely hides the time-consuming detail from view.**

Read on to find out more. Here's a further look at some of *ProDraw*'s other features.

It's a wrap!

Under the Special menu you'll find an option called Align Text With Curve. This quite simply allows text to be wrapped around curves – perfect for creating logos and typographical effects. Create some text using the Text tool and then create a curve. Select both objects (using the Null Pointer and Shift key). Now click on the Align Text to Curve menu and click on OK. You'll now see the text flowing around the curve.

Fill it

If you've created an object you'll undoubtedly want to fill it with colour or make the border thicker. This is done from the Attribute menu. Try this out by drawing a circle. Now select the circle and click on the Gradient/Fill under the Attributes menu. You'll now see a requester allowing you to define a graduated fill (either radial or linear), and alter the colours used and other options. Click on OK and then turn off the Wireframe and black and white display modes under the Preferences menu. You'll now see your circle filled with a graduated tint! Try out the other options under the Attributes menu – this is fundamental for creating professional artwork.

I object

Under the Object menu you'll find a number of very useful editing functions. The first of these are the Group and UnGroup functions. These allow you to take two or more separate objects and Group them together so they become one, living in married bliss for ever more, or something... To reverse the action use UnGroup. The Align feature allows you to align several objects so their top, bottom, left or right edges all line up.

Cloned

The Clone facility is one of the most powerful functions of ProDraw. With it you can not only copy existing objects, but change the way they are placed on the page. As it copies an object you can also shift it to a new position, scale it, changing size as it goes and finally rotate it. To try it out highlight an object, select Clone and enter various parameters. You can duplicate the clone operation by pressing the Shift and Tab keys at the same time. ■

▲ With the program's powerful Clone function it's possible to create impressive effects very quickly.

LUSCIOUS CURVES

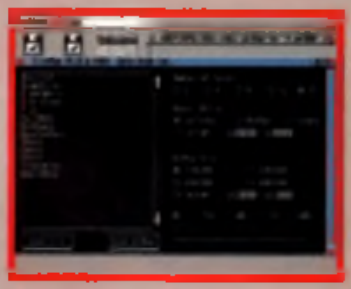
Bezier curves allow you to draw curves at any angle. Moving the control points will change the shape of the line. Clicking on a control point and then dragging the tangent line control points allows the angle of the curve to be changed. Understanding this process is vital to working with *ProDraw*.

Communicating with the world

No, *ProDraw* doesn't have built-in modem, although if you've got a modem there is a lot of structured clip art you could get hold of from the Internet. If you've created some artwork you'll probably want to use it in a DTP program or another application.

There are several ways to do this. Firstly you can save it as a *ProDraw* Clip file – this will load into GoldDisk's Professional Page. Alternatively you can save the drawing as an Encapsulated Postscript File (EPS) which you'll be able to load into any other good DTP program. To save a drawing as a Clip use the Save option under the Clips menu. For EPS files select Output/Postscript under the Project menu.

If you want load your pictures into something like DPaint you'll need to use another program. *ClipMap*, for example, which can be found on the second *ProDraw* disk. To convert your pictures using *ClipMap* you'll need to save your *ProDraw* illustrations as clips.



▲ With ClipMap, also on the coverdisk, you can convert your ProDraw pictures into IFF files.

Coming Soon!

That's it for *ProDraw* this month. For now, you could do a lot worse than just playing around with the various tools and options. Learn how to manipulate Bezier curves, and object manipulation in particular. Over the next few months we'll be running in-depth tutorials showing how other parts of the program operate, along with many tips, tricks and hints to get more out of this amazing program. If you have any questions, ideas or work created with *ProDraw* send them to us (c/o Andy Leaning, ProDraw Comes, CU Amiga Magazine, Priory Court, 30–32 Farringdon Lane, London EC1R 3AU).

High Quality Version Available on AMIGALAND.COM

PIZZA TYCOON

Hi Quality Version Available on AMIGALAND.COM

Do you want to know what's cooking?

Do you knead to make some dough?

Then get a piece-of-the-action with Pizza Tycoon.

A business simulation to get your teeth into.

Order up **Pizza Tycoon** from us.

Because at MicroProse, we deliver.

AVAILABLE FOR IBM PC COMPATIBLES AND AMIGA A500 / A1200

MICROPROSE

DISK 107

Requires Workbench 2 or above

Preview the amazing new version of the Amiga's best music package, with our exclusive demo on coverdisk 107.

New features

Here's a selection of the new features and improvements of OctaMED 6

- Multiple commands on each line
- Custom screen modes
- Custom font selection
- ARexx port
- Aura and Toccata sampler support
- 16-bit sample handling
- Loads and saves MIDI files (saving disabled)
- Improved sample editor
- Save as executable (disabled)
- Enable/disable audio channels

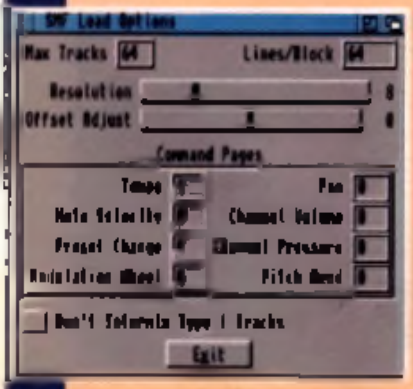
Hi Quality Version Available on AMIGALAND.COM

Instrument types

OctaMED 6 allows you to use a number of different instrument types: Amiga samples, synthesised Amiga sounds, hybrid Amiga samples and synth sounds, MIDI instruments, Aura 12 bit samples and Toccata 16-bit samples. Obviously you'll need the Aura or Toccata sampler hardware to use those last two options. Any combination of these types can be used in the same song. Select the type by clicking on the Type button from the Main Control panel.

MIDI loading and saving

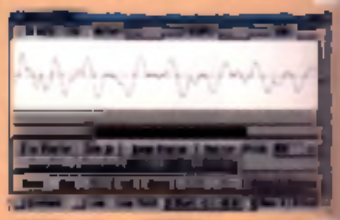
Standard MIDI files can be loaded, upon which they are automatically transferred into *OctaMED*'s tracker format. The conversion from MIDI to tracker format can be controlled from the SMF Load Options window, from the MIDI menu. You can assign a command page to each of the MIDI controllers (see Command pages panel for more info). The commercial release version of *OctaMED 6* will also allow saving of songs in MIDI file format. You can't use it here however, as all of the save functions are disabled.



Getting started: Load the demo module from the disk by selecting Open from the Project menu, then double clicking the PianoNotes(Theme) file which can be found in the MOD drawer. Alternatively, try out the MIDI piece. You will need a MIDI instrument connected in order to hear this one.

We don't have room for full instructions here, but assuming you have some basic knowledge of previous versions of *OctaMED* (we gave away a complete version of *OctaMED 4* with the July 1994 issue), there should be no trouble getting into the program. For loading instructions, see page 18. What follows is a guide to some of the most prominent new features.

Sample editor



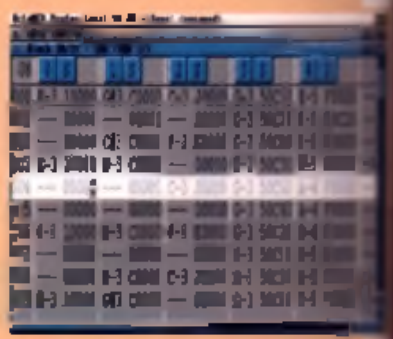
The sample editor can now handle 16 bit samples, and has extra editing features, such as: adjust Y offset, add workspace, overwrite paste, better chord creation, lots of loop controls, a tuning tone, and plenty more. Take a browse through the menus and experiment. It can also load MAUD, AIFF, WAV, IFF and RAW samples. The full version will be able to save these too.

Command pages

You can now use more than one command on each line of a track, to define how each sample is played. This is a powerful new feature. For instance, you could play a sample and strobe it on and off with the volume command, whilst pitch bending it to a lower note, and altering the sample offset value simultaneously! No other software gives you this kind of control over your samples and MIDI instruments!

There's no room between the tracks to include more than one command, so each block can be made up of a number of 'command pages'. Select Block Properties from the Block menu, and you'll see this window. Click in the box labelled Cmd Pages, and enter a number, depending on how many simultaneous commands you want to use. This makes a number of copies of the current block. These copies (command pages) are in fact sub-divisions of the original block. You can cycle through the command pages using the Shift and Tab keys, inserting additional commands on subsequent pages. You'll notice the note data is carried across from the original, but the commands are not. All command pages are played whenever you play the original block.

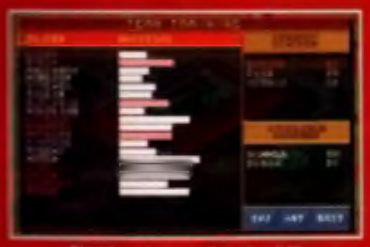
Font selection



Now you can use bigger fonts for the various displays. Three different fonts can be assigned to the general screen, the windows and the tracker editor. This is very handy, as it frees you from the eye-strain of reading tiny letters and numbers, particularly in the tracker editor. There are no extra fonts on this disk, but you can use any you may have on your hard drive or other disks. Select Font from the Settings menu to access this feature.

Simply the BEST

The best interactive match action ever!



Check out your player's skills and watch them develop

Keep your bank manager happy, or face the consequences!

Watch your stadium develop in 3D!

Read about your team's exploits in rich detail

Interact with agents, fans and press from your office

Hi Quality Version Available at AMIGALAND.COM

the Future of Football Management

Impressions

and PC VGA Screenshots copyright ©1995 Impressions

Sovereign Court, Fetcham Road, Putney, London SW15 6AZ

NICE ONE SQUIRREL!

Amiga Format 93% **CU Amiga 94%**

Amiga Shopper 95% **JAM** *"The best piece of hardware I've ever bought for my A1200 ... well done, HiSoft!"*

As you can see, the Amiga press has gone nuts over our new Squirrel SCSI interface for the A600/A1200. In case you've missed these reviews, the Squirrel SCSI is a plug-and-play add-on that allows you to connect up to 7 SCSI peripherals to your Amiga. Just think of it, CD-ROM, Hard drive, Scanner, DAT, Optical, SyQuest, Tape Streamer - all on line at the same time! No wonder we named it after that famous storage-hungry animal! To go with Squirrel, here are some great value devices...

SCSI CD-ROM Drives

SuperDouble - int £129, ext £139
SuperTriple - int £189, ext £249

Not all CD-ROM drives are the same. Our SuperDouble and SuperTriple drives are fast, modern devices supporting all the SCSI features that you'll need, based on quality units from the world's leading manufacturers of CD-ROM, Sony & Toshiba.

Both drives are cased in extremely stylish enclosures with all SCSI connectors and offer fast access times, stereo headphone sockets with volume control, phono line output, PhotoCD™ multi-session support, CD32 emulation, CD-DA compatibility with the convenience of tray loaded action. The SuperDouble™ CD-ROM drive offers 300Kb/sec transfer while the SuperTriple™ attains 510Kb/sec, both far faster than any competitive drive for the Amiga. **90% Amiga Format**

These are the drives we use for developing and testing the Squirrel hardware and software - need we say more?

SyQuest Drives

88Mb - int £269, ext £329
270Mb - int £419, ext £479

Introducing removable SCSI drives for your Amiga. Based on reliable, proven SyQuest™ mechanisms, these 88Mb and 270Mb units offer transportable, compact, high performance and, above all, expandable storage for all your computing needs. SyQuest is the world leader in the technology across computer platforms which means that you can transfer work between Amiga, Macintosh™ and PC with ease. We recommend the CrossDOS and CrossMac software packages to simplify portability - call for pricing. Our drive prices include 1 free cartridge.

SCSI Hard Drives

270Mb £160, 540Mb £239
730Mb £279, 1Gb £479
Add £60 for external units

Hard drives are becoming more and more affordable and we can now offer some tremendous prices on a range of superb quality, Quantum drives in a range of capacities.

These drives offer fast seek times (14ms @ 270Mb, 11ms @ 540/730Mb, 9ms @ 1Gb), large caches and high speed data transfer rates (5Mb/sec with Squirrel). All units can be supplied for you to fit in your own case or pre-installed in one of our professional Squirrel Storage Cases. The Squirrel does not auto-boot external hard disks but you can do this from SCSI or from internal IDE hard disks.

We can supply all leads, termination and mounting kits to discuss your exact requirements with our friendly technical staff.

Squirrel Storage Systems

All our Squirrel Storage Systems come either bare (ie - ready for installation internally within a suitably equipped Amiga or other computer) or fully cased (ext) with integral power supply, SCSI in/out, SCSI ID selector and audio out (for CD ROM). The cases we supply are high quality shielded, snap together enclosures, each with 40W power supply - the back panels of the 5.25" case is shown above. These SCSI enclosures are available at **£44.95** each (please specify 3.5" or 5.25" when ordering).

The neat Squirrel SCSI interface is shown on the right. The unit simply plugs into the PCMCIA slot, comes complete with all the software you need together with a cable which terminates in a 50-way Amphenol plug to attach to your first SCSI device.

The Squirrel SCSI interface

Twist 2

Twist 2 is the new friendly, relational database for all Amigas. Twist's range of power features such as its integrated forms designer, its varied & multi-level querying, its N:1, 1:N & N:M relations coupled with its uncluttered, well-designed user interface make it ideal for both the first time and the seasoned database user.

Twist 2 is the only database you will ever need - a product that expands to meet your requirements as they grow. So, before you buy another database, why not take a look at the Twist demo disk?

AURA

The latest of our highly acclaimed sound samplers for the A600/A1200. Aura offers high performance 12/16 bit quality with direct-to-disk sampling plus a host of software features. Datamart 5.04 up compatible.

94% Amiga Shopper 90% AUI

GAMESMITH

Professional game development is made easy with the new GameSmith Development System. Over 3 years in the making, GDS gives you the low level power to create the masterpiece of your dreams in a single, easy-to-use, comprehensive environment, using C as assembler. Comes complete with junior versions of Dice C and Devpac 3. **90% AUI 92% CU Amiga**

Termite

Afraid of becoming a hedgehog on the Information Super Highway? Don't worry, Termite is so easy to use that even a first time user will feel at home. Yet it has all the power and flexibility to satisfy the most seasoned modem warrior!

Termite is packed with features and comes with a superb Button Bar already set up for instant access to CIX and many BBSs. **88% Amiga Computing 95% AUI 88% CU Amiga**

Ordering Information

All HiSoft products (see the complete list below) should be available through your favourite Amiga dealer. If you have difficulty in obtaining any title you can order directly from HiSoft - just call us free on 0500 223660, armed with your credit or debit card, we will normally despatch within 4 working days or, for an extra £6, by guaranteed next day delivery (for goods in stock). Alternatively you can send us a cheque or postal orders. All prices include VAT. Export orders: call or fax to confirm pricing and postage costs. © 1995 HiSoft E&OE.

HiSoft products for your Amiga: Squirrel SCSI interface - £99.95, Squirrel Storage Systems - as above, Aura 12/16 bit sampler - £99.95, Megalosound 8 bit sampler - £34.95, Prokbd interface - £24.95, HiSoft Devpac 3.14 - £79.95, HiSoft BASIC 2 - £79.95, HighSpeed Pascal - £99.95, Gamesmith - £99.95, Termite - £39.95, Twist 2 database - £99.95, Maxon Magic - £29.95, Upper Disk Tools - £14.95, VistaLite inc MakePath/TerraForm - £39.95 and much more. **Coming soon:** DiskMagic (disk tools) and Cinema4D.

HiSoft SYSTEMS
The Old School, Greenfield
Bedford MK45 5DE UK
Tel: +44 (0) 1525 718181
Fax: +44 (0) 1525 713716

Hi Quality Version Available on AMIGALAND.COM

DISK 107

Baldies

Can you make the world a better place for a crowd of tiny slapheads? Test your theories in this exclusive demo from Gametek.

Demo for Kickstart 2.0 and above, with 1Mb of Chip RAM.

Baldies is a fun mouse-controlled arcade strategy game where you must populate the land, construct buildings and invent new technologies. The eventual aim is to cultivate your race into the strongest in the world and defeat your enemies.

To load the demo, boot from the Workbench disk and double-click on the Baldies icon. Once the demo has started you will notice three areas on the screen. The area on the left hand side of the screen is the main panel, the area along the bottom of the screen is the invention panel, the rest of the screen is the game area.

The landscape can be scrolled by moving the pointer beyond the screen in the direction you wish to scroll. Whilst moving around the landscape you will notice two tribes of people. Baldies (which are yellow) and another heavily hairy ape like species called the Hairies. These are the current inhabitants of this land and must be killed by your Baldies using a variety of methods.

Begin by assigning some of your Baldies as builders. Building a house gives you vital civilisation-building options.

Housey, housey

Clicking on one of your houses brings up the 'house panel'. The house panel allows inventions to be created and other houses to be built. The house panel is also where more baldies are reproduced. If the house gets full the baldies will all troop out. So try to keep a good balance of Baldies. All four types are vital to success, but you'll need some more than others in certain situations. Baldy management is the key.

Invention

Once you have a scientist in the house and at least one wandering around outside it's time to start inventing! Open a house panel and click on the yellow question mark above the scientist (this icon shows that no inventions are currently being worked upon). A list of possible inventions appears. Choose an invention by clicking on it. Click on the main door to exit the house. The invention that was selected will appear on the left-hand side of the invention panel. When the invention is being worked on, the bar to the right of it will fill up with red, turning green when it's finished. You can then concentrate on another weapon.

Once you have enough weapons you can scroll down to hairy territory and test them out. The skunk bomb is a good one to send hairies flying out of their house and if you've set a trap outside the front door they will all run straight into it. There are numerous other ways to dispose of Hairies. For example, try using the map edit icon to get rid of any land that they may be standing on. This sends them to a watery grave. Alternatively, soldier baldies can be placed in trees to lay in wait and then ambush any hairies wandering about.

There is so much to this demo it's impossible to cram it all in here. It's best to explore all the possibilities yourself – have fun. ■

The baldies explained

- **Workers** (red) are the standard Baldies. Workers are the only Baldies that can procreate and initially make up the main body of your force.
- **Builders** (blue) will wander around the landscape until they find somewhere to build a house. Then they get to work (providing you have enough power).
- **Soldiers** (green) will defend your houses (from inside) and wander the land looking for enemies to eliminate. Soldiers residing inside houses also make bullets for use in battle.
- **Scientists** (white) are the brains of a baldies colony. They wander around raising the overall science level of your team. Scientists inside a house are create weapons.

Hi Quality Version Available on AMIGALAND.COM

SoftWood Software *will go down in history, the best there's been... for ages.*

The way we all communicate today has gradually evolved from early cave paintings by Prehistoric man, through Egyptian Hieroglyphics and eventually on to a method of symbols representing both letters and numbers. Early inscriptions in stone gave way to clay tablets, papyrus, parchment and ultimately paper, and the Greek alphabet became the basis of most of today's languages.

Books were created by hand until the mid 15th century when crude printing processes were first introduced. Albeit with continual refinements, printing methods have, until very recently, remained the only way to distribute the written word and hence a host of information throughout the world.

The biggest leap forward has been achieved in the last ten years!

This is the adoption of computer generated text as a new standard, complicated layouts and designs can now be generated and printed at the touch of a few keys right on your desktop. And it doesn't stop there. Archiving and record keeping works hand in hand with these new methods of processing text and allows for faster data retrieval than ever before. This latest technology has not just revolutionised the world of print, but has opened the floodgates to an explosion in communication possibilities throughout the world.

At SoftWood, our constant aim is to bring you these powerful, up to date technologies with the best possible software for your specification of Amiga.

Our word processing packages have repeatedly won the favourable* magazine reviewers who have awarded SoftWood products their highest accolades, all over the world. We are continually updating and improving those products and adding new ones such as Final Data™, and soon, Final Calc™ to our range. Our efforts are bringing the revolution into your home or office... and onto your Amiga.

Hi Quality Version Available on AMIGALAND.COM

Word Processing/Publishing...

Whatever specification Amiga you own, SoftWood have the perfect solution for your requirements. ***Final Copy II™ Release 2*** is at the peak of achievement when running a floppy based Amiga configuration, whilst ***Final Writer™ Release 3*** is the only hard drive compulsory Amiga word processor - it leaps a stage ahead and doesn't make any compromises to be floppy disk compatible. Whichever you choose, you'll be assured of the latest in WYSIWYG technology and reap the benefits of still unsurpassed, easy to use, Amiga software from SoftWood.

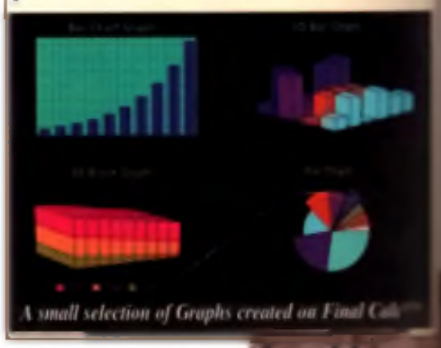
Our new Database...

Final Data™, is designed in the true SoftWood tradition and brings you a program that is not only extremely powerful, but also very easy to use. Indeed, you can learn to set up your ***Final Data™*** database, enter your information and print the results in a matter of minutes... not hours. You'll soon be generating all kinds of reports and label print runs to suit your kind of work.

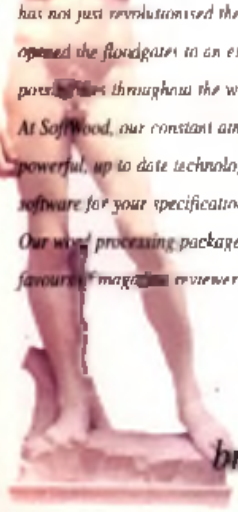
LATEST NEWS from SoftWood... Final Calc™

Final Calc™ is the answer to every Amiga Spreadsheet users dreams. With its flexible modes of operation, ***Final Calc™*** is the only Spreadsheet that can start with a minimum range of features (ideal for the beginner), but progress to offer power beyond the levels found not just on any other Amiga Spreadsheet, but almost any Spreadsheet on any computer system. Multi-layer sheets, advanced PostScript outputting facilities with flexible font handling, complete document scaling options, a vast choice of Graph styles including 3D and animated (to show calculation result/progressions) are just some of its comprehensive and unique features.

Final Calc™ is due for release in Spring 1995, so look out for the magazine reviews. If you want to know more now, simply cut the coupon (on the right) for your free advance information.



A small selection of Graphs created on Final Calc



SoftWood

bringing the revolution into your home or office... and onto your Amiga

SoftWood Products Europe, New Street, Alfreton, Derbyshire DE55 7BP. Telephone 01 773 521606. Facsimile: 01 773 831040

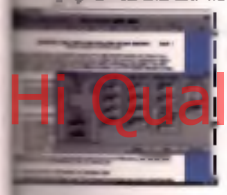
Final Copy II™

Release 2

Designed to get the most out of an Amiga floppy drive based system, *Final Copy II™* offers more than just word processing (at which it naturally excels) and opens up a world where 'how the document looks' is as important as 'what the document says'.

Final Copy II™ is ideal for that quick letter but also houses features which are powerful enough to help you produce end results normally associated with expensive Desk Top Publishing packages... easy to achieve, without the fuss!

Unique features such as **FontDraw™** on screen drawing tools (to generate fonts, borders, lines and curves etc.) and **Perfect Print™** (an advanced system that enables you to print the same Postscript™ quality fonts to any printer in both landscape & portrait modes) ensure that *Final Copy II™* is the leader in its class. You can easily generate multiple newspaper style looking columns, import any graphic objects or pictures and place them anywhere on your page, scale or crop those graphics and also have flow text around them. You can even print text over graphics and the output is always of the highest quality.



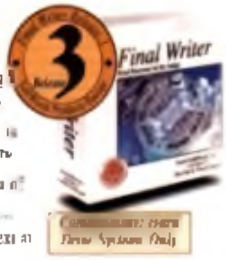
Final Copy II™ offers the perfect balance between word processing and more advanced page layout creation - in one great program.

Ease and speed of use with total control of the final printed presentation is available on your floppy based Amiga system right now, for only **£49.95** *inc. p&p*

Final Copy II™ requires any Amiga floppy or hard drive system with a minimum of 1Mb free RAM (A600 hard drive computers need 1.5Mb). Twin floppy drives are recommended for total flexibility with no swapping or multiple disk swaps required.

Final Writer™

Release 3



Hard drive compulsory, this new program is for power users wanting the ultimate performance. As with *Final Copy II™*, excellent output is guaranteed when using PerfectPrint™ and you'll also benefit from a host of other advanced features including...

- **Text Blocks™** which position text at any size, angle and position on the page.
- **Touch Tools™ & PowerLaserBars™** giving one touch control - just click on a button... define, change and save such attributes as text position, font size, font styles (bold, italic, underline etc.), justification, bullets, line spacing, indents etc.
- **FastDraw Plus™** allowing more versatile on screen drawing tools which include options like rotation.

Final Writer™ can also import, scale, crop, view on screen and output structured PostScript EPS clip-art images (we even include 100 free) to any printer. With PostScript printers your options include... thumbnails, crop marks, scaling and halftoning. Add **ARexx/Macros**, floating palettes, undo/redo (both text formatting **and** graphics), table of contents and indexing, table of illustrations, bibliography generation, new drag & drop

text, spelling while you type, dictionary, hyphenation, foreign language characters, auto save, polygon graph or irregular shape generation, plus lots more and *Release 3* takes your Amiga further than ever before!

Amiga word publishing power, only **£74.95** *inc. p&p*

Release 3 includes 100 quality clip art files and 120 outline fonts and when you register with SoftWood, we send you a further 50 Bonus Fonts Free too!

Final Writer™ Rel 3 requires any Amiga running Workbench 2 or 3 with a hard disk drive and a minimum of 2Mb free RAM.

Final Data™

New Release

Final Data™ has been designed by SoftWood to be by far the EASIEST TO USE Database for your Amiga. Many users dislike the involved "two stage" process conventional databases force you to follow. To set up a ***Final Data™*** database you won't be confronted by an array of unfamiliar commands, simply define a column for each sort of information you want to keep eg. christian name, surname, house name or number, street, town, county, postal code and phone number etc. Incidentally, you can add or remove columns at any stage during your working session. Your new database will appear as a table with rows and columns allowing you to view whole ranges of data at the same time. Column widths can always be adjusted, to suit your requirements, by simply dragging their borders with the mouse. Data is then entered into "cells" and ***Final Data™*** even detects entries of invalid dates etc. and displays an alert message for your attention. Screen totals are available as options on all amounts and calculations (numbers can also be formatted with currency signs and commas - again you can decide).

Final Data™ is ideal for label printing and even has built in routines that remove all the complexities from this often involved task. You can always utilise the "Print Merge" feature found in *Final Copy II™* and *Final Writer™* - simply select the program you are using and ***Final Data™*** does the rest, automatically offering you... The program is also capable of reading any database created in *Pen Pal™*, MiAmiga Five and *File Hog™* as well as standard ASCII files found in many other common programs. Above all you'll be able to start using *Final Data™* immediately.

An easy to use yet extremely powerful method for keeping all your records in order from SoftWood Direct at only **£19.95** *inc. p&p*

Final Data™ requires any Amiga system with a minimum of 512K free RAM, operating under Workbench 1.3 or higher.

All of our software specifications are the most economical in their use of memory. Like others we quote the minimum memory required to run our software but we also like to make it clear that all graphics software requires extra memory - dependent on the functions being used.

Hi Quality Version Available on AMIGALAND.COM

Mr/Mrs/Miss/Ms: _____ Initial(s): _____ Surname: _____

Address: _____

_____

County (Country if overseas): _____ Postcode: _____

Daytime telephone: _____ Evening telephone: _____

Please rush me... **ADVANCE INFORMATION ON NEW... Final Calc™** (Please Tick if required)

Please charge my credit/debit card as detailed below and rush me my new SoftWood software (Please Tick as required)...

Final Copy II UK £49.95	☐	*Final Copy II* Overseas £59.95	☐
Final Writer UK £74.95	☐	*Final Writer* Overseas £84.95	☐
Final Data UK £19.95	☐	*Final Data* Overseas £40.95	☐

(Card Anniversary commences)

Credit/Debit Card No: ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

Credit/Debit Card Expiry Date: ☐☐☐☐ Issue No (Switch Cards Only): ☐☐☐☐

Cheque/Bank Draft/Postal Order for £ _____ payable to SoftWood Products Europe ☐ (Please Tick if enclosing cheque/draft)

PLEASE RETURN THIS ORDER FORM TO: SoftWood Products Europe, Iron Street, Alfreton, Derbyshire DE55 7BB or FAX us on 01 773 831040. cua

Order by Phone: 01 773 521606
Order by Fax: 01 773 831040

SoftWood Direct

coverdisks

How to load...

Before you do anything

Write protect your coverdisks! Your coverdisks will be write enabled when you take them off the cover of this magazine. Make sure you write protect them, by sliding the tab in the corner so that there's a small hole. This will stop you accidentally writing over the original during the decompression process.

Hi Quality Version Available on AMIGALAND.COM

IF YOUR DISK WON'T LOAD

We go to great trouble to ensure that the CU Amiga Magazine coverdisks will work on common Amiga models. However if you do experience problems follow the simple guide.

1. Remove all unnecessary upgrades and peripherals, such as printers and modems. Some trapdoor expansions can also cause problems.
2. Follow the instructions on this and previous pages exactly.
3. If you still experience problems using the disk call the DiskXpress helpline on 0451 810 788 between the hours of 10am and 5pm Monday to Friday.

If they advise that the disk is faulty, fill in your details in the form below and send the form, along with the faulty cover disk and a 28p stamped self addressed envelope to: CU Amiga Magazine Disk Returns, DiskXpress, Unit 7, Willow Court, Bourton Industrial Park, Bourton-on-the-Water, Gloucestershire GL54 2HQ.

NAME

ADDRESS

TYPE OF AMIGA OWNED

DISK NUMBER

DESCRIBE EXACTLY WHAT HAPPENS WHEN YOU TRY TO LOAD THE DISK

ProDraw

You'll need two spare disks to hand, onto which the *ProDraw* program and data files will be expanded. Follow these steps to make up your working *ProDraw* disks.

1. Insert coverdisk 106 into the internal floppy drive and reset your Amiga.
2. Double click on the CU Amiga disk icon.
3. Double click on the icon marked *ProDraw1*.
4. Insert the first blank disk and press Return when requested.
5. Swap the first blank disk for cover disk 106 when asked to do so.
6. Swap the cover disk for the first blank disk once more and press Return when prompted.
7. Insert the coverdisk once again when asked to do so.
8. Mark your first blank disk '*ProDraw* Program disk'.
9. Double click the icon marked *ProDraw 2*.
10. Insert your second blank disk and press Return when requested.
11. Replace the cover disk one last time when asked to do do.
12. Label your second blank disk '*ProDraw* Clip Art'.
13. Insert the disk marked '*ProDraw* Program disk' and reset your Amiga.
14. Double click on the icon marked '*PDraw 3.0* Disk 1', and then on the icon marked '*PDraw*'.
15. *ProDraw* will load. Now refer to the instructions on page 8.

OctaMED 6

OctaMED 6 is on coverdisk 107 in compressed form. Before you can use it, you need to decompress it onto a blank disk. Follow these steps to make up your *OctaMED* disk.

1. Insert cover disk 107 into the internal floppy drive and reset the Amiga.
2. Double click the icon marked 'CU'.
3. Double click the icon marked *OctaMED 6*.
4. Insert a blank disk and press Return when asked to do so.
5. Replace the blank disk with the coverdisk when asked to do so.
6. Label your blank disk *OctaMED 6*.
7. Insert the *OctaMED 6* disk, and reset your Amiga.
8. Double click the icon marked '*OctaMED 6* Demo'.
9. Double click the icon marked '*OctaMED 6*'. Click on Cancel when asked to 'Insert volume Fonts'. Now refer to the instructions on page 12.

Note: We've squeezed a few bonus samples and instrument sounds onto cover disk 107 in uncompressed form. These can be loaded into *OctaMED 6* for use in your own compositions.

Baldies

Before you can play *Baldies*, you need to decompress it onto a blank disk. Follow these steps.

1. Insert coverdisk 107 into the internal floppy drive and reset the Amiga.
2. Double click the icon marked 'CU'.
3. Double click the icon marked *Baldies*.
4. Insert a blank disk and press Return when asked to do so.
5. Replace the blank disk with the coverdisk when asked to do so.
6. Swap the disks back and press Return at the prompt.
7. Replace the cover disk when asked.
8. Label your blank disk 'Baldies'.
9. Insert the *Baldies* disk into the internal drive, and reset the Amiga. *Baldies* will now load. Refer to page 15 for playing instructions.

Award Winners

PLATINUM EDITION

The Three classic titles no collection should be without brought together in one superb value pack!

LEMMINGS IS A MODERN DAY CLASSIC, A MASSIVE AND TRULY MIND-BOGGLING GAME OF MULTIPLE [illegible] AND EASY TO CONTROL YET IT WILL HAVE YOU PULLING YOUR HAIR OUT IN SHEER FRUSTRATION.

CIVILIZATION: A TRULY ENGROSSING GAME RANGING FROM THE DAWN OF TIME TO THE MODERN AGE THAT WILL KEEP YOU BURNING THE MIDNIGHT OIL FOR MONTHS ON END. WHO NEEDS A SOCIAL LIFE WHEN YOU'RE GOD.

Hi Quality Version Available on AMIGALAND.COM

FRONTIER: PLAY THE ROLE OF A SPACE TRADER DEALING IN ALL SORTS OF GOODIES, LEGAL OR NOT. FRONTIER-ELITE II IS A BEAST OF A GAME WITH STUNNING GRAPHICS AND ONCE BITTEN, YOU'LL BE PLAYING THIS FOR DAYS, NIGHTS AND MONTHS ON END.

PC, PC CD-ROM, AMIGA

empire®
INTERACTIVE

Empire Interactive, The Spires, 677 High Road, North Finchley, London N12 0DA Tel: 0181 343 9143

News

Germans launch sneak attack on Commodore!

Hi Quality Version Available on AMIGALAND.COM

One of Europe's largest PC manufacturers and retailers has been reported as putting in a surprise $5 million (£3.2M) bid to buy the assets and trademarks of Commodore International. Escom is a £1.6 billion turnover company which operates in nearly all European countries and many of the old Soviet Block countries.

Escom has major plans for computer retailing in the UK high street market. It already has a chain of 24 shops in the UK as well as a presence in 35 Office World out-of-town stores. It has also just purchased Rumbelows, the UK based chain which was recently closed down after significant trading losses. It now intends to re-open all of the stores whilst expanding its Office World presence too. In total it will have over 300 Escom outlets in primary high street locations, or major out-of-town sites by the end of the year. To run these it plans to increase its UK staffing levels by 1,500 people.

Bernard Van Tianam – Managing Director of Escom Holland – told CU Amiga Magazine that the UK stores will primarily sell Escom branded PCs, including multimedia systems. Escom claim they already produce some 400,000 units (PCs) from their German manufacturing plants. In an exclusive interview Mr Van Tianam went on to say that Escom are also considering moving into telecommunications, and set-top box technology.

▲ Could this badge appear on Amigas in the future?

◀ An Escom designed PC. Unusual look!

CU Amiga Magazine first heard news of the bid in mid March and it was then reported in the ECTS issue of the games trade magazine CTW. However, when asked to comment on their reported bid Mr Van Tianam would neither confirm nor deny the presence of money on the table and was also unwilling to comment on the the status of the Amiga if they won a bid for it. However, the Amiga's potential as a set-top delivery-box would obviously fit in neatly with Escom's future plans. The Amiga would also provide Escom with a low cost home computer to complement the higher priced PC systems currently sold through its shops.

David Pleasance, who is jointly heading up a prospective rival management buyout of Commodore's world wide rights, wasn't worried by the move though, claiming that their bid was still the most likely to succeed. Either way it is obvious that the Amiga is still in demand, not just by users and dealers, but also by prospective manufacturers.

Mac-beating graphics

One of the best structured drawing programs for the Amiga is to be upgraded. *ProVector Version 3* from Stylus Inc will be released shortly. Version 2 of the program suffers from several important limitations that have prevented it from overtaking its rival *ProDraw* as the best structured drawing program. The new version will give Amiga users power previously only seen on Mac drawing programs such as *Adobe Illustrator*.

Version 3 looks like becoming the champion of Amiga vector graphics. Amongst the many new features are powerful clipping paths (allowing objects to be masked out), gradient fills, file support for *Adobe Illustrator*, and numerous new object tools such as blending, skewing, mirroring and warping. The program will also provide full *ARexx* support, on-line help, and other Workbench 2 and 3 enhancements for improved ease of use.

Jeff Blume, Vice President of Stylus, said of the new release, "We are committed to providing Amiga users with a superior drawing program and we will continue to improve the ProVector family of products".

The Stylus Pro-Pack has a suggested price of $299.95 but for a limited period Stylus will selling it at an introductory price of $199.95. Stylus are also offering an upgrade for users of earlier versions of *ProVector, Art Expressions, Professional Draw, Design Works* or *Aegis Draw*, although exact upgrade pricing was still being finalised at press time.

CU Amiga Magazine is currently liaising with several UK distributors to arrange UK availability and will bring you full details of UK support, pricing and shipping dates shortly. In the mean time Stylus are on 0101 303 484 7321.

Hi Quality Version Available on AMIGALAND.COM

Raging on

Primal Rage is now scheduled for a September release on all formats. First announced by CU Amiga Magazine back in December the coin-op conversion of this beat 'em up extravaganza is now well under way for the Amiga.

It is being handled by *Mortal Kombat* 1 and 2 veteran Probe Entertainment and is expected to be finished by the end of the summer. The coin-op has a multitude of difficult moves for you to master, but Probe expects to be able to incorporate all of them (and even some extra ones if all goes according to plan) using either one or two button joysticks or joypad. Sounds like fun! We'll have a Work In Progress on *Primal Rage* next month.

Ocean teams up

Team 17 have signed a deal with Ocean Software to exclusively distribute their games on all formats. The deal, in which both Ocean and Team 17 retain their own separate identities, will increase the Team's software distribution from their current 18 countries to 64 countries and will provide the necessary cash and backing to launch titles across all home entertainment machines. At the moment Team 17 concentrate on the Amiga and PC but as part of the deal games like their forthcoming blockbuster *Worms* will be released on up to 16 formats.

In the future, games which fall under the deal will be branded with both the Ocean and Team 17 logos. Will Team 17 be swallowed up though? Alan Bunker, their PR manager was keen to stress that "Team 17's branding will be maintained and we are still 100% independent".

Evasive Action

Mindscape have been very evasive about their latest slice of aerial action. We should have had a preview of this 'dogfight simulation' in the games section this month but due to mysterious circumstances (probably something to do with the ECTS) we never got hold of it. It sounds good though, with four different flight scenarios promised: World War 1, World War 2, modern jet combat and futuristic space combat. Mindscape's PR department has gone to great pains to point out that *Evasive Action* is not a flight sim in the conventional sense of the term; it is an air combat simulator designed to emulate one on one air combat, using 3D graphics and arcade style gameplay. Hopefully we'll have that full preview next month.

ComicSetter success

CU Amiga Magazine's January 1995 issue *ComicSetter* coverdisk is being used to illustrate MicroManiacs, a car magazine for Microcar enthusiasts. Although not quite up to Judge Dredd standards, MicroManiacs is now using the program to produce on-page cartoons. For more information on the magazine, contact Steve Pepper, 42 Charles Avenue, Harrogate, North Yorks, HG1 4PE. Tel: 01423 524840.

Weird Science

Tel. 0116 234 0682 or Fax. 0116 236 4932

CD Roms

Multimedia Toolkit CD

CONTENTS

ONLY £ 19.95

CLIP ART CD

CONTENTS OF CLIPART CD

Clip Art CD only £ 9.99

Amos CD

THE OFFICIAL AMOS PD LIBRARY ON COMPACT DISC

£19.95

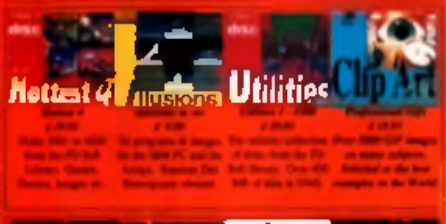
FONTS CD

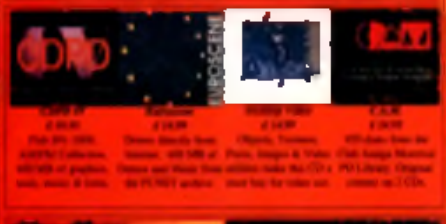
ONLY £ 9.99

SOUNDS

ONLY £ 19.95

ONLY £ 19.95





Network CD

SIMPLE NETWORKING TOOLS FOR AMIGA CD

CONTENTS

Parnet & Sernet
NComm & Term
Twin Express
Fred Fish 800 to 975
Amos PD 478 to 603
74 Utility Disks
PhotoCD Conversion
500 Images in 256 cols.
Network CD £ 14.99
CD32 Cable £ 19.95
Parnet Cable £ 9.99

AVAILABLE FROM ALL GOOD STOCKISTS

TRADE ENQUIRIES WELCOME

Telephone Orders

0116 234 0682

Access & Visa Welcome

Weird Science
1 Rowlandson Close
Leicester
Leics LE4 2SE

Hi Quality Version Available on AMIGAILAND.COM

DEBENHAMS
...ARE NOW IN 16 BRANCHES OF DEBENHAMS
...SEE PANEL FOR DETAILS

QUALITY PERIPHERALS FOR THE AMIGA

AMITEK

Designed to bring you high quality and performance at affordable prices, Amitek peripherals offer outstanding value-for-money. They are built to ensure easy fitting and trouble free operation - making them a pleasure to use. Amitek products are also thoroughly tested and very reliable, so reliable that we are pleased to offer a full two year warranty on most of the Amitek products detailed here.

HAWK RAM UPGRADE & MATHS ACCELERATOR OPTIONS FOR THE AMIGA 1200

INSTALLATION OF A HAWK RAM BOARD INCREASES A1200 SPEED BY UP TO 3x

- Plugs directly into A1200 motherboard - No soldering required
- Upgradeable FAST RAM from 1, 2, 4 or 8Mb
- Uses industry-standard 72 pin SIMMs for easy upgrades
- Optional Floating Point Unit - 33mHz or 40mHz PLCC 68882 co-processor
- Comprehensive manual with illustrations
- Works with all A1200 and A1200HD computers
- Enables you to create your own custom configuration

FPU SPEED COMPARISON

	INCREASES OPERATION BY UP TO 40x
33mHz PLCC FPU	
40mHz PLCC FPU	

AMITEK HAWK RAM UPGRADE BOARDS

1Mb No FPU	2Mb RAM No FPU	4Mb RAM No FPU	8Mb RAM No FPU
£99	£129	£189	£329

OPTIONAL FLOATING POINT UNITS

33mHz PLCC FPU + Crystal	£59
40mHz PLCC FPU + Crystal	£99

1Mb SONY 3½" DELUXE FLOPPY DRIVE FOR ALL AMIGA COMPUTERS

AMITEK

"Amitek has come up with a very affordable package. Highly recommended." - Jason Holliday - Leading Amiga Journalist

DELUXE FEATURES

The Amitek drive has many deluxe features not found in other drives - check out the competition!

ANTI-CLICK

This feature stops your drive making whirring and clicking when the drive is empty and searching for a disk.

ANTI-VIRUS

This switchable mode stops tracks 0 viruses reaching the disk while in the drive. Unlike many other drives with anti-viral circuitry, this mode can be disabled, allowing some heavy copy protected software to run.

ADD MORE DRIVES

The Amitek drive is also daisy chainable so you can add further drives to your system using very little power from your Amiga.

QUALITY SONY MECHANISM

Amitek took the time to source a mechanism that has all the features, quality and reliability that Amiga owners demand.

Details correct from models built after MARCH '94	ANTI-CLICK	ANTI-VIRUS	METAL CASE	QUALITY SONY MECHANISM	TOP RATED BY AMIGA [illegible]	2 YEAR WARRANTY
AMITEK	✓	✓	✓	✓	✓	✓
CUMANA	–	–	–	–	–	–
ZAPPO	–	–	✓	–	–	–

- High Quality 3½" Sony Mechanism
- 2 Year Warranty
- Strong Metal Casing
- Built-In Anti-Click Feature
- Switchable Anti-Virus Mode
- Enable/Disable Switch
- 75mS Access time
- Daisy Chainable Via Thru Port
- Low Power Usage
- External PSU Not Req'd

EXTERNAL DRIVE

£59

INC VAT - DRIVE 168

FREE DELIVERY IN U.K. MAINLAND

FUSION VIDEO GENLOCK FOR ALL AMIGA COMPUTERS

AMITEK

- *High Quality Graphics And Video Mixing Desk*
- *FREE Scala HT100 Program Disk*
- *Add Titles And Special Effects To Videos*
- *Ideal For Home and Semi-Professional Users*
- *Supports All Standard Amiga & AGA Graphics*
- *Input And Output Composite Video Signals*
- *Switches Between Video Only, Computer Only And Mixed Graphics*
- *Hardware Fade Between Graphic And Video*
- *RGB Thru - Saving The Genlock From Being Unplugged When Not In Use*
- *Optional Chroma Key Unit Available Sept '95*
- *Comprehensive 16-Page Manual Plus Full Colour Sleeve*

FREE! SCALA HT100 HOME VIDEO TITLING PROGRAM WORTH £49 INC VAT

GENLOCK

£99

INC VAT - VG100C

FREE DELIVERY IN U.K. MAINLAND

Hi Quality Version Available on AMIGALAND.COM

MAMBA MODULATOR FOR ALL AMIGAS

NEW

£34

INC VAT - MOD 168

RAM UPGRADES

AMITEK FOR A500/A500PLUS/A600 - 2 YR WARRANTY

CODE	DESCRIPTION	INC VAT
RAM 0501	A500 - 512K (No Clock)	£20
RAM 0510	A500 - 512K (With Clock)	£25
RAM 0520	A500PLUS - 1Mb RAM	£30
RAM 0605	A600 - 1Mb (No Clock)	£30
RAM 0610	A600 - 1Mb (With Clock)	£40

POWER SUPPLY

AMITEK FOR A500/A600/A1200 - 1 YR WARRANTY

This power supply is an ideal replacement unit, which can deliver 1.0 Amps on 12V and 4.5 Amps on 5V. More than enough power for a correctly expanded Amiga!

PCA 010 AMITEK POWER SUPPLY UNIT **£29** INC VAT

LOADER 1Mb INTERNAL FLOPPY DRIVES FOR AMIGA 500/500PLUS & AMIGA 600/1200

AMITEK

NEW

These internal Amitek Loader replacement drives are ideal for users who wish to replace their existing internal drive.

The packs feature a high quality internal 1Mb, 3½" drive mechanism for the Amiga 500/500Plus or Amiga 600/1200. All you need to fit your drive is included, plus easy to follow fitting instructions and 12 months warranty.

A500/A500PLUS INTERNAL DRIVE **£34** INC VAT - DRIVE 168

A600/A1200 INTERNAL DRIVE **£44** INC VAT - DRIVE 168

THE SILICA SERVICE

Before you decide WHEN to buy, we suggest you consider WHERE to buy. Our mail order staff are friendly and knowledgeable experts with years of experience behind them. Whether you are buying your first computer or adding to your collection, we can help with impartial advice and a wide range of software and accessories. Complete the coupon below for our latest FREE literature and begin to enjoy the Silica Service.

- ESTABLISHED 15 YEARS: We have a proven track record in professional computer sales.
- PART OF A £50M A YEAR COMPANY: With over 300 staff - We are solid and reliable.
- EXPERIENCE STAFF: All our staff are Commodore Users.
- TECHNICAL SUPPORT HELPLINE: FREE help and advice from a team of experts.
- A FULL PRODUCT RANGE: All of your computer requirements from one supplier.
- WE PRICE MATCH: We will normally match our competitors' prices on request.
- FREE CATALOGUES: Will be sent with no obligation.
- PAYMENT: We accept most major credit and debit cards, cash, cheques or monthly terms (APR 29.8% - written quotes on request).
- WE DON'T BOTHER UNTIL WE HAVE IT: Before we commit you to purchase, we check that we have the goods in stock and available for delivery.
- MAIL ORDER: Most orders are processed from our computerised stock file and are normally despatched within 24 hours of receipt.
- 21 STORES NATIONWIDE: Most stores are open six days a week and have demonstration facilities.

SILICA

DEBENHAMS STORES NATIONWIDE

MAIL ORDER 0181-309 1111

PLUS TECHNICAL AND HEAD OFFICE

Silica House, Hatherley Rd, Sidcup, Kent, DA14 4DX

PLUS BRANCHES AT:

BRISTOL	0117-924 1021
CARDIFF	01222 341078
CHELMSFORD	01245 355511
CROYDON	0181 688 4455
GLASGOW	0141 [illegible]
GUILDFORD	01483 401300
HARROW	0181 427 4266
HULL	01482 325151
IPSWICH	01473 221313
LONDON	0171 580 4000
LONDON	0171 629 1234
LUTON	01582 21201
MANCHESTER	0161-832 1141
PLYMOUTH	01752 [illegible]
ROMFORD	01708 [illegible]
SHEFFIELD	0114 [illegible]
SHEFFIELD	0114-[illegible]
SIDCUP	0181-[illegible]
SOUTHAMPTON	01703 223811
SOUTHEND	01702 462426
THURROCK	01708 [illegible]

SILICA

COMPUTER SHOPPER 1994 Awards WINNER Best Software Delivery Service

COMPUTER SHOPPER 1994 Awards NOMINATION Best After Sales Service

To: Silica, CMUSR-0595-213, Silica House, Hatherley Rd, Sidcup, Kent, DA14 4DX

INFORMATION ON AMITEK PRODUCTS

Mr/Mrs/Miss/Ms: _____ Initials: _____

Surname: _____

Company (if applicable): _____

Address: _____

_____

_____

_____

Postcode: _____

Tel (Home): _____

Tel (Work): _____

Which computer(s), if any, do you own?

_____

213N

E&OE Advertised prices and specifications may change. Please return the coupon for the latest information.

Book 'em!

Veteran Amiga book publisher Bruce Smith Books has released a new AmigaDOS programming guide, 'Mastering AmigaDOS Scripts'. Written by Mark Smiddy, it covers all aspects of writing AmigaDOS scripts covering small utilities and bigger programs too.

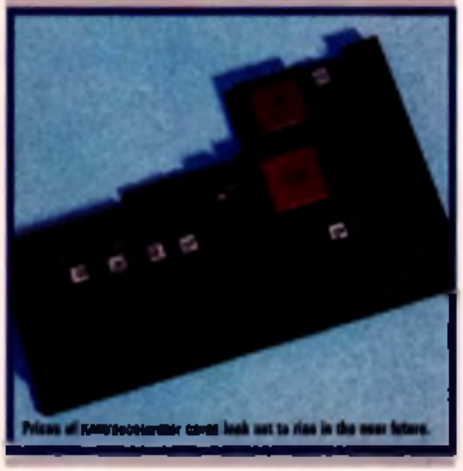
There are over 100 ready-to-run script programs listed in the book, suitable for AmigaDos 1.x,2.x and 3.x systems. Each script is explained on a line by line basis to aid the learning process.

To complement Mastering AmigaDOS Scripts Bruce Smith Books are producing a disk that contains many of the scripts listed in the book, it also has several PD/Shareware utilities on it to help your programming. This is available for £2.00, via a coupon in the back cover.

This book costs £19.95 and is available from major book stores or via the Computer Bookshop on 0121 706 1250. We should have a review of it next month.

Buy your RAM boards now!

If you're thinking about buying a RAM upgrade in the next few months now might be a good time to invest. The rapidly rising strength of the Japanese Yen means that far eastern manufacturers are having to swallow large losses when exporting products to foreign countries, and Japan is one of the primary producers of memory chips. In the last weeks of February and early weeks of March alone the Yen rose by an astonishing eight percent. This compounds on the losses manufacturers suffered after Kobe earthquake. The two factors combined are forcing some manufacturers to consider rising prices to customers.



Write to your CD!

A German software developer claims to have created a program that allows normal Amigas and CD drives to write to compact discs. Previously CDs have been read only, which means that while they can store vast amounts of data you couldn't write your own information to them.

Now Ralph Babel and Stefan Ossowski (the creators of the Aminet, Imagine Enhancer and other CDs) claim to have have developed a software application that, enables your Amiga to write to CDs using normal CD drives.

According to details from their German based company – Schatztruhe – the CD Write software will allow you to store programs and configuration data on CDs, rearrange data, remove obsolete or undesired data and change icons.

Too good to be true? Well it is, as we discovered. In reality all the program does is transparently redirect instructions for the CD drive to either a floppy disk or hard drive, giving the impression of having a writeable CD. Quite why you'd want this program is anyone's guess, but if you're interested Power Computing are Schatztruhe's UK agents. Call them on 01234 273000.

Invisible ink

Hewlett Packard have just announced [illegible] ... what's this ... er we can't read it. The ink seems to be fading. If anyone at Hewlett Packard is reading this could they please send the press release dated 1 April again.

CD32 drops in price

Silica are now selling their CD32 Critical Zone games console pack for £199 - £40 off its previous price. Silica's pack includes the CD32 console and seven game titles – *Canon Fodder, Diggers, Liberation, Microcosm, Oscar, Project X* and *Ultimate Body Blows*. Silica are on 0181-309 1111.

ICPUG discounts

The Independent Commodore Products Users Group (ICPUG) is offering members [illegible] for eight months (1st May to 31st Dec[illegible] 1995) a discount subscription. The reduced rate being £18.50 for UK and BFPO [illegible] £20.50 for Europe and surface mail [illegible]. ICPUG membership gets you [illegible] issues of the ICPUG journal, free PD [illegible] technical hotlines and offers support [illegible] advice. Contact Tim Arnot, 17 Colne [illegible] Oakfields, Didcot, Oxon, OX11 7RZ. Tel: 01235 815725 after 8.30pm.

Twist correction

Two mistakes crept into our review of the *Twist* database in the April '95 issue. *Twist* is actually published in the UK by HiSoft and has a price of £99.95. This does not affect our rating of this program, which is one of the most powerful databases available on the Amiga.

HiSoft have also announced that a new version of the program will shortly be available. Contact HiSoft for full details, they're on 01525 718181.

Animation CD

Weird Science have released a new CD. Packed with animations the twin CD pack contains work from animators around the world. Available now, Animations CD is priced £19.95 and you can contact Weird Science on 0116 234 0682.

Hi Quality Version Available on AMIGALAND.COM

3 GREAT NEW STAR BUYS. PLUG 'N' PRINT WITHOUT COSTING A MINT

Hi Quality Version Available on AMIGALAND.COM

Star's three latest mono and colour/mono printers are just what you want: traditional Star quality, low cost and economical to run. All three are packed with useful features like the dedicated Windows driver and a built in sheet feeder. There's a choice of options for more demanding applications - including a tractor feed for only £15.00

So take the hint and plug 'n' print with Star's brilliant new printers. Please return the coupon or phone **01494 471111** for details

Rush me more info on Star's new LC printer range

Name

Company

Position

Address

Postcode

star

Star Micronics U.K. Ltd., Star House
Peregrine Business Park, Gomm Road
High Wycombe, Bucks HP13 7DL
Fax: (1494 473333

A division of Star Micronics Co. Ltd., Japan

Prices shown RRP excluding VAT
Windows is a trademark of Microsoft Corporation

Available from Star Registered Dealers and Computer/Office Superstores Nationwide.

FREE!

MULTIMEDIA CD-ROM

NO PURCHASE NECESSARY

FOR ANY AMIGA

To celebrate our 2nd successful year in business we're giving Thousands of free Multimedia CD-ROM disks.

EPIC Software

MULTIMEDIA MANIA CD-ROM

Hi Quality Version Available on AMIGALAND.COM

Includes
500 top quality fonts,
1500 of the best clipart images,
200 music modules,
500 instruments,
over 200 soundfx,
100 Video backdrops,
200 textures,
200 3D objects,
100 AGA images,
200 colour clip fonts,
Animations,
graphics tools and lots more

WORTH £19.99

OFFER ENDS END OF JUNE

ORDER CODE: CDMMM60

01793 422355

There is a non-refundable £6 00 shipping and admin charge to residents in te UK and £9 00 P&P for foreign orders Please have your credit card ready. Access, Visa, Mastercard & Eurocard accepted. Fax your order on 01793 514187. Send cheques to: Epic Marketing, PO Box 837, Swindon SN1 3DN. Limited period only, and only one CD per customer applies. If you wish to collect, you can exchange this advert for your free CD from Epic in Swindon. This offer is run separate from any other offer we are currently running. An upto date CD-ROM list will be sent with your free CD. Please allow 14 days for delivery E&OE

Hi Quality Version Available on AMIGALAND.COM

Printer Showdown

Everyone who has an Amiga should have a printer ... and most people who have a printer would like a better one! We round up ten of the most popular to help you out.

After upgrading the internal hardware of your Amiga, one of the most useful expansions money can buy is a printer. And there's certainly no shortage of printers available – just look through the pages of any computer magazine and you'll see all sorts of models. But which is best for you? Here's where we come to the rescue. Over the next few pages you'll find everything you need to know about buying and using a printer with your Amiga. It's all here, from identifying the type of printer best suited to your needs, to explanations of the complex jargon. From ecological considerations to getting the best out of it once it's connected to your Amiga. And then of course there's the comprehensive buyers guide to ten popular models ranging from low budget dot matrix to mid range, fast laser printers.

General use

But first, there are several important considerations to be made before choosing which printer to buy. The first of these is what kind of document you intend to print. With the obvious exception of price, this is the most important thing to bear in mind, as certain printers are better suited to outputting text, colour graphics or DTP pages than others.

From our most recent reader survey we found that most of you will use a printer for one of four main reasons: general use, word processing, producing prints of your graphics and DTP.

If you want a good all-rounder that can handle the odd letter, maybe some program listings and ReadMe files, with the ability to print graphics too, then a dot matrix printer is often the best option.

Dot matrix printers are the oldest of the printer technologies seen in this feature. They consist of three main parts: a print head, a motor and a paper feed mechanism. The print head consists of a square of tiny pins. Individual pins are moved forward creating the shape of each character or pixel in the case of graphics printing. This shape is then pressed against an inked ribbon which in turn presses onto the paper, forming the shapes on the page. After each character is printed the motor moves the print head horizontally to the next character. When it reaches the far right edge of the page, the print head is moved back to the start of the line and the paper feed mechanism moves the paper sheet up one line.

Finer detail and higher quality results are achieved by increasing the number of pins in the print head. The cheapest dot matrix printers have nine pins, although the much higher quality 24-pin models now cost as little as the nine pin models.

Colour dot matrix printers work by having a ribbon composed of four bands of colour (typically red, blue, yellow and black). The printer can move the ribbon up and down so the print head presses against the different colours. By printing over the same character with the different colour bands, a wide range of colours can be produced.

In recent months the prices of dot matrix models, particularly 24-pins, have fallen dramatically. 9-pin models can be bought for around £100, although the quality is only really suited for personal use. Higher quality 24-pins can now bought for as cheap as £150, which is a dramatic decrease as only a short time ago they cost around £300-£400!

Hi Quality Version Available on AMIGALAND.COM

Word processing

Good text printing is obviously a primary feature if you regularly use a word processor, but with the increasing slant towards DTP that's creeping into most Amiga word processors, it's also likely you'll want to print the odd picture or graphic, maybe with a splash of colour along with your text. So what is the best method of getting a good quality printout of your text which will also do justice to any graphics or colour?

Ink jet technology is the solution. Ink jet printers produce near laser-quality results yet cost only slightly more than dot matrix equivalents. But they also have the capability to print in colour when needed.

Ink jet printers work on a simple principal. A tiny heating element heats up a bubble of ink, as it gets hotter the bubble expands and finally bursts, sending a splurge of ink through a tube and finally onto the paper which forms a dot. The remaining ink bubble contracts, sucking more ink in to the vacuum left behind. The new ink is then heated, starting the process again. This process is duplicated with multiple heating elements, ink bubble containers and tubes making up a print head. Typically there are around 64 tubes or nozzles in a print head. The more nozzles (and hence dots) the higher the resolution possible. Current ink jets achieve around 360 dpi (dots per inch). Different colour inks are used to produce multiple colour prints.

So far it sounds simple enough. However there are several problems that manufacturers have to deal with. One problem is that the process requires specific ink fluidity. If it's too thick it doesn't 'spurt' properly, too thin and it runs as it hits the paper. The ink container must be free of bubbles as this would wreck the ink flow. However, manufacturers have overcome these problems and ink/bubble jet technology is now very affordable.

Prices start from £200 for monochrome versions and £250 for colour models.

Save money

You can save yourself money by refilling your old ink cartridges instead of buying new ones. Although most manufacturers don't recommend it, several companies claim to offer refills that comply with manufacturer specifications.

Refilling inkjet cartridges can cut your costs considerably. A new ink jet cartridge costs around £20, depending upon the model. Refills on the other hand are available for under £10! Try Grey-Tronics on 0500 737 800 or Care Electronics on 01923 894 064.

Graphics

The Amiga's capabilities for producing colour pictures are second to none, so it's not surprising that demand for good colour printers is so high in the Amiga market.

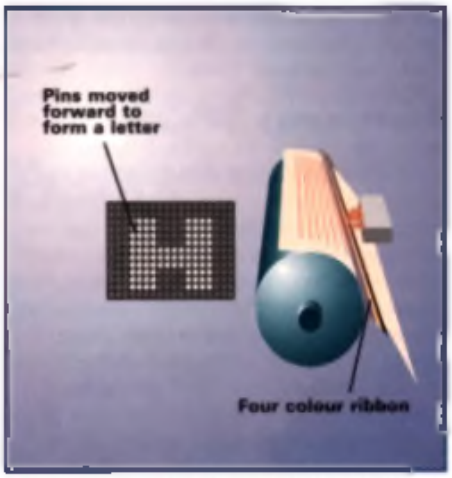
You have two choices for printing your colour images, and if price is your primary concern you're actually in luck. There are loads of low cost colour printers available, starting from

How printers work

Laser printers

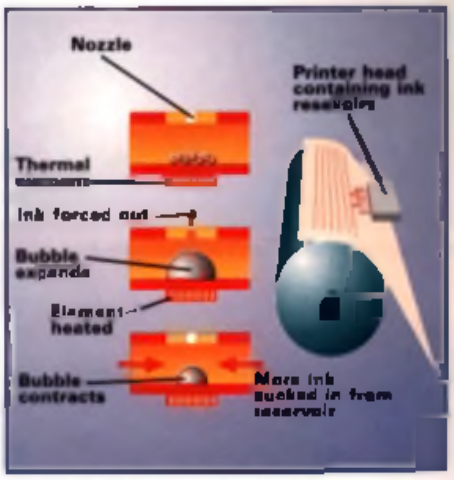
▲ A laser beam inside the printer draws the image to be printed onto the surface of a selenium drum. This drum has a surface of negatively charged particles. Where the laser hits it the particles change to a positive charge. The toner only sticks to the positively exposed areas. Paper is passed by the drum and toner transfers to the paper, thus creating the image on the page. The paper is finally drawn through a heat source which dries the ink. A wire then recharges the drum surface with a negative charge.

Dot matrix printers



▲ Clunk, clunk, clatter, clatter. Dot matrix printing is the oldest and noisiest printer technology. A print head made up of tiny pins moves left to right across the page and at the end of each line down to the next. To print each character selected pins are moved forward, creating the characters' shape. The pins are pushed against an inked ribbon, which is in turn pushed against the paper creating an impression. Dot matrix printers are the only type of printer that can print on multi-part paper (invoices etc).

Bubble jet printers



▲ Bubble or inkjet printers work using a remarkably simple process. A tiny drop of ink is placed over an element and heated to around 400 degrees. As the ink gets hotter bubbles form, eventually creating one large bubble which finally explodes (all of this happens in a fraction of a second). As it explodes the ink shoots up through a tube or nozzle and on to the paper. The collapsing ink bubble creates a vacuum which sucks fresh ink in to form a reservoir and start the process off all over again.

around £100. At the bottom end of the scale there are dot matrix models, at the other end (with prices of £250 and above) are ink jet devices.

Dot matrix technology will produce colour images but it tends to suffer badly from banding, having lines running either vertically or horizontally through the picture. This occurs when the print head moves from one character to the next and there's an overlap or gap between the characters. You'll also find that dot matrix technologies often produce prints that are too dark or too faint – although you can compensate for this by altering the original picture and increasing the brightness.

Desktop publishing

DTP has always been one of the more popular applications for the Amiga, coming in just behind word processing and graphics in our survey, yet the needs of DTP printer users differ from these two previous types. For DTP work it's quality above all else and there's only one type of printer that delivers the best quality: a laser printer. With average resolutions of 300dpi, which can be improved upon with enhancement technology, and print speeds of at least four pages per minute laser printers have become the favourite printer for professional DTP users. Falling costs also ensure that they are growing in popularity amongst users on a tight budget.

Lasers printers work in a similar fashion to photocopiers. A laser beam is fired at a mirror. This mirror reflection targets the beam onto a drum, and by rotating the mirror the beam can be moved horizontally across the drum surface. The drum in turn rotates allowing the beam to traverse its entire surface, creating the image of the page on the drum surface. The drum unit itself is coated with a material, onto which the image is scored by the laser. As the drum rotates it also goes past a trough of powdered ink, which sticks to the area marked out by the laser. The rotating drum unit then passes over the paper, transferring the ink to it as it goes. As a final step the paper sheet is then heated to fix the ink.

Laser printers with resolutions above the standard 300dpi are starting to become commonplace. In 1993 Ricoh introduced the LP1200 laser printer providing 400dpi, and other manufacturers (Lexmark, Hewlett-Packard etc) produce 600dpi models.

Paper types

Your choice of paper can make a lot of difference to the quality of your printouts. All printers work by applying ink to the paper surface and drying it in some form. Depending on the type of paper the ink will be absorbed into the paper to various degrees and dry at different speeds. If too much ink is absorbed the print will look faint, if it doesn't dry quickly enough it will run. In the case of ink jet printers better results can be obtained by using special paper, glossy surfaces being the obvious choice. An in-between solution is to use 'normal' paper, but higher quality than standard photocopier stock. CU Amiga Magazine experienced high quality prints when using Conqueror paper. Other named quality paper produced similarly good results.

Fortunately (or unfortunately) you do get what you pay for when choosing paper. Thick, good paper is expensive, but for jobs where quality is everything, the investment is worth it.

And there's more ...

So there you have it. Your choice of printer depends upon your wallet and what you actually do with your Amiga. Over the next three pages you should find our guide to several of the more popular printers available and their relative merits helpful.

Ecological considerations

There was a time when printers could rightly be accused of being one of the most environmentally unfriendly computer peripherals. Indeed with the amount of toner and paper they get through they still do more harm than most other peripherals. But recently manufacturers have tried hard to reduce their harmful side effects. You may or may not take the 'green cause' into account when you are buying a printer but it's worth taking into consideration the efforts of various manufacturers as they can save you money and protect ol' mother earth as well.

For example, some Hewlett-Packard and Epson Stylus printers have power saving devices that shut down the engine, entering a standby mode, when not in use. The HP Laser's power consumption drops by 180 watts to just 5 watts when in this mode. Given that a laser printer is often on-line, but unused for long periods of time, this will save a lot in electricity bills!

Ink usage is also environmentally and financially costly, so saving the cartridges must be a good idea. Once again HP score points by recycling your used toner cartridges – they even pay the postage when you return used units to them. The printer also has a special EconoMode which uses up 50% less toner when printing. This is done by spacing out the dots, producing less dense coverage.

Hi Quality Version Available on AMIGALAND.COM

▲ Samsung SP-2417. Print output gives good performance, but relatively cheap

▲ Seikosha SL-96: best all round budget printer

▲ Mannesmann Tally T2016: cheap, reliable monochrome printer

▲ Citizen ABC: Amiga drivers supplied, excellent for home use

DOT MATRIX PRINTERS

Dot matrix printers are a cheap and reliable method of outputting colour and black and white pages from your Amiga. The various 24-pin models here start from around £100.

Samsung SP-2417

One of the cheaper 24-pin models, the Samsung SP-2417 looks more sturdy than attractive. However, Samsung describe it as having a 'Life Style Design', even though we think it looks like any other dot matrix printer!

We were disappointed with its print quality. Output of pictures was faint and suffered from an intrusive amount of banding and paper crimping. On the other hand the relative colour balance remained intact. Text fared better although it was a bit rough around the edges.

In the speed trials it also performed poorly, although better than its 160cps draft and 53cps letter quality mode specifications would have you believe. It came in well behind both the Citizen and Seikosha models, and tied roughly equal to the Mannesmann Tally T2016. However, it should be remembered that this printer is cheap, and for your money you still get a 24-pin printer that is faster and gives notably better results than any old 9-pin models.

If you're looking for a low cost printer, and aren't too worried about quality the SP-2417 is worth a look.

Samsung SP-2417 ■ Tel: 01293 547788
■ Price: £129

Seikosha SL-96

Like Citizen, Seikosha have taken the trouble to support the Amiga and a printer driver is provided with the SL-96. Unfortunately Seikosha's driver isn't as good as Citizen's but it's still a lot better than having no driver at all as is the case with Mannesmann Tally.

The driver allows the Amiga to produce prints at the full resolution of the 24-pin SL-96, and get better colour output than would be possible with the Epson emulations supplied with Workbench.

In speed terms it produces a respectable but average 192 characters per second in draft mode, and a maximum of 140 cps in letter quality mode. It also has a 'super speed draft' mode capable of 240cps, but we found the print quality when in this mode to be pretty poor.

But speed accounts for nothing if the quality isn't there. Here however, Seikosha need have no worries. The SL-96 produced the best prints of all the dot matrix models seen here. Neither too faint or dark and with minimal banding it won our vote as the best all round budget printer.

Seikosha SL-96 ■ Tel: 0181 309 1111
■ Price: £149

Mannesmann Tally T2016

The T2016 is a good, low cost, monochrome, 9-pin printer. It's not capable of colour output but if you want a printer only for personal and general use, program listings and directory prints, it may be worth a look.

With just 9-pins you can't expect great quality outputs, but for the money it's OK. Prints suffer from banding and paper crimping but this is to be expected with the technology, and it's no worse than any other similarly priced model.

Comparing its output to that of other 9-pin models we've looked at in the past revealed slightly better than average character definition. Noise levels were the most off putting element of the T2016 though. The constant clanking and whirring of the print head gets a bit tedious after a while.

It's cheap and reliable and will be ideal for the those who just want a cheap way to print out text documents for personal use. If you want colour, or higher resolution look elsewhere, maybe the Samsung SP-2417 or the Seikosha SL-96, neither of which cost a lot more but offer slightly better quality output and colour.

Mannesmann Tally ■ Tel: 01734 788 711
■ Price: £109

Hi Quality Version Available on AMIGALAND.COM

Citizen ABC

Citizen are one of the few printer manufacturers who actually recognise and try to help Amiga owners use their printers by supplying Amiga drivers with the ABC. Citizen's drivers are a credit to the company. They provide easy control of the printer hardware and result in higher quality prints than can be obtained using the standard EpsonQ drivers.

As a low cost, general purpose printer the ABC is hard to beat. It's a 24-pin dot matrix model, with resolutions of up to 360x360. In speed trials it beat both its Samsung and Seikosha competitors, and held up to the claimed 192 characters per second.

Being dot matrix it's not going to produce brilliant print quality, but it's still pretty respectable for home use. Text was OK although a little fuzzy, whilst colours were generally clearer than the Samsung also seen here.

In general operation the ABC came out well. Its paper loading mechanism proved

Specification chart

Model/Specification	Price	Type	Colour or B&W	Resolution	Speed	Buffer Size
Citizen ABC	£189	D	Colour	360	192cps	8K
Seikosha SL-96	£149	D	Colour	360	192cps	15K
MT 2016	£109	D	B&W	180	180cps	2K
Samsung SP-2417	£129	D	Colour	360	53 cps	14k
Star SJ-144	£249	IJ	Colour	360	1.4cps	2.1K
Canon BJ200ex	-£256	IJ	B&W	360	3.5ppm	62K
MT 704C	-£259	IJ	Colour	300	3ppm	128K
Epson Stylus	£559	IJ	Colour	720	240cps	64K
HP LJ4L	£574	L	B&W	300	4ppm	1Mb
MT T9006	-£588	L	B&W	300	4ppm	512k

* Type: L=Laser, D=Dot matrix, IJ=Inkjet
Resolution: Maximum resolution without enhancement
Speed: Characters per second for dot matrix models at 12cpi, pages per minute for some inkjets and all lasers

Spurting Canons

Ink jet technology was originally created by Canon, with the original patent for the concept recorded in 1977. Canon introduced the first printer (the BJ-80) in 1985, although they demonstrated the technology in 1981.

The technology was discovered when a researcher accidentally touched a hypodermic syringe full of ink with a soldering iron, and the ink spurted from the syringe.

faultless during the test period and as a result we experienced very few paper handling problems.

The ABC printer is a good, reliable printer which shouldn't disappoint for home use. Best of all it can now be picked up for under £150, which is definitely excellent value for money.

Citizen ABC ■ Tel 0181 309 1111
■ Price: £189 - but check advertisers in CU Amiga Magazine for lower prices.

INK JET PRINTERS

For affordable colour printing ink jet technology takes some beating.

Star SJ-144

This model from Star was one of the most compact and stylish of all the printers we reviewed. It was also one of our favourites. Everything about the Star seems well thought out and implemented.

In every respect the SJ-144 stood out from the rest. From its design, the way it stands vertically occupying very little desk space, to its paper loading mechanism (not a single jam in the entire test period), to its print quality which was wonderfully crisp, we could hardly fault it.

Print quality was absolutely superb too, hiding its only average 360x360 resolution. Colours were vivid and consistent and didn't fade at all across large areas, while text came out gloriously sharp.

As a printer for handling both text and graphics the Star SJ-144 is hard to beat, and at just £249 it's exceptional value too.

Star SJ-144 ■ Tel: 01494 471111
■ Price: £249

Canon BJ-200ex

This printer isn't a colour model and is really only included here for reference and for users looking for a low cost alternative to laser printers for black and white DTP type work.

Although the printer has a standard ink jet resolution of 360 x 360 dpi, it features 'smoothing technology' that enhances the print resolution, making its prints look like 720 x 360 dpi. In this mode its output was better than its normal 360x360, but not as good as that from the Epson Stylus.

For users who want good quality mono prints for DTP use, but are on a tight budget, the BJ-200ex is a safe route to follow. Although slower than a laser printer its quality will be more than good enough for most users looking for above average output.

There are Amiga drivers available to support the printer, although these aren't provided with it. You'll need to contact Canon.

Canon BJ-200ex ■ Tel: 0121 680 8062
■ Price: £259

Mannesmann Tally T7040

Compared to the Star and Canon printers, the T7040 looks more like a relic from the sixties than a home printer of the 90s. The T7040 is ugly, with flimsy bits of plastic sticking out at odd angles. If the Star and Canon printers were supermodels, this must be Nora Batty.

This is all rather unfortunate because in other respects it's a good, solid workhorse that produces perfectly acceptable results. Although it only supports a resolution of 300x300dpi, printed matter is clear and clean. The colours could be more vibrant, but in general there are no major gripes. The final verdict? A good printer spoiled by poor design and finish.

Canon BJ-200ex ■ Tel: 0121 680 8062
■ Price: £259

Epson Stylus

At approximately £559 the Stylus is a very expensive ink jet, so what does it offer to justify the rather large hole it puts in your pocket? The answer can be found from the first print you produce... quality!

Whilst other ink jet printers spurt out 360 dots per inch, the Stylus pumps out an astonishing 720dpi. This is a true 720dpi and is not achieved by enhancing a 360dpi mechanism, and as such gives higher quality prints.

However, it's worth pointing out that you'll need to get the correct printer driver for your Amiga to print at this resolution, and you'll also need a higher quality paper than normal. See the 'Print it with JAM' panel on the next page for driver details. Custom paper is needed because normal paper stock can't hold the ink, with individual dots 'bleeding' into other dots. Once you've got the right driver and paper it produces wonderfully detailed prints.

Another feature of the Stylus is that it uses a custom print head. On other ink jets when the cartridge runs out you'll need to replace the entire print head.

With Stylus technology, however, you merely replace the ink well – new ones clip onto the top of the printing head. This system also allows you to have two ink cartridges, one for black and one for colour.

One thing we didn't like about this printer however was the start up time and paper loading system. It seemed to take an inordinate amount of time to get going, with lots of odious noises and clicks coming from it for several minutes before it was ready for action. The paper feed system also seemed to take some time before it would print.

Definitely one of the best printers in this round-up, the Stylus is highly recommended.

Epson Stylus ■ Tel: 01442 61144
■ Price: £559

▲ Star SJ-144: compact and stylish, superb print quality, hard to beat!

▲ Canon BJ-200ex: good quality, low cost monochrome printer

▲ Mannesmann Tally T7040: the Nora Batty of printers!

▲ Epson Stylus: high quality, high price!

Hi Quality Version Available on AMIGALAND.COM

▲ Hewlett Packard LaserJet 4L: good for DTP, fast and smooth.

▲ Mannesmann Tally T9005: minimal memory, poor output and highly priced.

LASER PRINTERS

The crème de la crème of printers. Laser based printers offer superb quality prints but at a price.

Hewlett Packard LaserJet 4L

The 4L is a great little printer for desktop publishing and other monochrome print jobs. Its compact size, styling and design make it almost perfect to sit alongside the Amiga.

In use it's impressive. Pumping out a reasonable four pages per minute it's no slow coach and with a resolution of 300dpi it'll give you the kind of print quality you could only previously have dreamed about!

Fonts and structured graphics come out wonderfully clear and detailed. HP's 'Resolution Enhancement Technology' ensuring that text, curves and diagonal lines are smooth and jaggy free.

The biggest downer with this printer is that there are no controls on the device itself – apart from a single reset/activate button. To print from it you can use a standard Laserjet driver, or PCL5 driver (if your DTP package has one). But there's no way to change its internal settings.

Even without the PD driver it's a good printer and ideal as a DTP workhorse. As an accompaniment to your word processor it's wonderful, although you might find the lack of colour a problem.

HP LaserJet 4L ■ Tel: 01344 360000 ■ Price: £674

Mannesmann Tally T9005

Here's a printer that looks, acts and works like a traditional laser printer. We ran page after page through it and experienced very few problems with the printing process.

Sadly the actual print quality and specifications let down this good start. Whilst a bare 300dpi laser will produce notably better output than any other type of printer seen over these pages, it's now pretty poor compared to other laser printers available. With no resolution enhancement its output was significantly poorer than that from the HP model, and at times was below that of the Epson Stylus and Canon BJ200ex ink jet printers.

What really let the printer down however, was the minimal 512k of memory it comes with. This isn't enough to print a full page of graphics, or a page of large bitmaps and fonts – as such it's really a bit useless for DTP work unless you upgrade.

These two facts, combined with a relatively high price, prevent me from recommending the T9005. If the price was lower and it had 1Mb of RAM it would be okay, but as it stands it's expensive and under specified.

Mannesmann Tally T9005 ■ Tel: 01734 788 711 ■ Price: £586

Printing from your Workbench

Although there's no software supplied with the HP 4L to let you print from your Amiga there is a solution and it's cheap! A PD utility called 'HP' allows you to print from Workbench. This is available on Aminet sites, on the various Aminet CDs or from other PD suppliers. This allows the resolution enhancement and EconoModes to be turned off amongst other things.

Print with JAM

If you've got a Canon BJ, Citizen 240c, Epson Stylus, HP, Star LC-24 or Panasonic KX-P1124 printer, do yourself a favour and get Studio II Professional. This is a snappy printer driver utility written by Wolf Faust that will significantly improve the quality of your printouts. We covered the latest version of this program last month in the April 1995 issue.

In essence it replaces the standard Amiga drivers for certain printers with new custom written versions that take advantage of the specific advantages of each printer. In addition the software allows you to change colour values prior to printing to compensate for different ink qualities and the like.

At £49.95 it's expensive but worth it if you want to get the most out of your printer. It's available from JAM on 0895 274449.

Print Quality – Check it out

To test the printers we hooked them up to a standard Amiga 1200 and printed the sample files using Wolf Faust's Studio II drivers. This demonstrates the various printer capabilities, rather than the limitations of the Workbench drivers.

▲ Samsung HP 2417
Points from the HP 2417 [illegible]

▲ Seikosha SL-95
Not outstanding but a good value off-reader

▲ MT T2010
Cheap, 4-pin and low spec, but not too bad

▲ Citizen ABC
Impressive but rather [illegible]

▲ Star BJ-144
Excellent quality prints in every respect.

▲ Canon BJ-200ex
For black and white jobs this is worth a look.

▲ MT T7040
Nice quality although the low 300x300dpi shows.

▲ Epson Stylus
It ain't cheap, but great output is worth it.

▲ HP LJ4L
The 4L produces great, high resolution prints.

▲ MT T9005
Reasonable but doesn't match up to the 4L.

Hi Quality Version Available on AMIGALAND.COM

Hi Quality Version Available VIGALAND.COM

CITIZEN COLOUR PRINTERS

FREE! FROM SILICA

- DELIVERY – On orders over £40.00 (Mainland UK)
- 2 YEAR WARRANTY (Including consumables)
- PRINTER KIT With Citizen dot matrix printers from Silica
- WINDOWS 3.1 Free When you buy a Citizen Printer
- HELPLINE Technical support during office hours

FREE PRINTER KIT INCLUDES:
- 3½" Diskette Amiga Print Manager
- 3½" Diskette Windows 3.1 Drivers
- 1.8 Metre Parallel Printer Cable
- 200 Sheets of Continuous Paper
- 50 Continuous Top Feed Address Labels
- 50 Continuous Tractor Feed Quick Labels

AMIGA PRINT MANAGER
For faster printing from your Amiga, with clearer images and more vibrant colours. Available free of charge as part of the Silica Printer Kit.
- Improved Image Smoothing
- Image Scaling
- Gamma/Colour Correction
- Colour Separation
- Reduce/Increase Shades

KIT VALUE £57.58 INC VAT

ABC 24 PIN 192 CPS 80 COLUMN

NOW WITH COLOUR KIT INCLUDED

IDEAL FOR THE FIRST-TIME USER

EASYSTART SOFTWARE

2 YEAR WARRANTY

- 24 pin – 80 column
- 192cps Draft (12cpi) 64cps LQ (12cpi)
- 8K Printer Buffer
- 5 Fonts + 2 Scalable
- Parallel Interface
- Graphics Resolution 360 x 360dpi
- Epson & IBM Emulation
- Autosheet Facility
- Quiet - 48dB(A)
- Built-in 56 Sheet Automatic Feeder
- "EASYSTART" S/W - Windows Driver - Amiga Driver
- Options: 128K RAM Tractor Feed
- FREE Silica Printer Kit
- 2 Year Warranty

FREE DELIVERY

FREE! PRINTER KIT SEE LEFT

ABC PRINTER WITH COLOUR KIT INCLUDED

£126.91 + VAT = £149

INCLUDING VAT - PR 5492

FREE UK DELIVERY

COLOUR PORTABLE 126 CPS

£194.91 + VAT = £229

INKJET 180 CPS 80 COLUMN

- Citizen Projet II Inkjet
- 180cps Draft
- 120cps NLQ (10cpi)
- 32 Nozzle Head
- 32K Printer Buffer
- 3 Fonts Built-in
- 1 x IC Card Slot
- Optional HP Compatible Font Cards
- Parallel Interface
- Graphics Resolution 300 x 300dpi
- HP Deskjet Plus (PCL3+) Emulation
- Automatic Sheet Feeder
- Includes Enhanced Windows 3.1 Driver
- Quiet - 46dB(A)
- 2 Year Warranty

COLOUR INKJET

2 YEAR WARRANTY

FREE DELIVERY IN UK MAINLAND

FREE CABLE

PROJET IIC COLOUR

£228.94 + VAT = £279

INCLUDING VAT

FREE UK DELIVERY

24PIN FAST DOT MATRIX 270 CPS 80 COLUMN

- Citizen Swift 200C - 24 pin - 80 column
- 270cps Draft (12cpi), 216 cps Draft (12cpi), 72cps LQ (12cpi)
- 8K Printer Buffer - 40K maximum
- 7 LQ Fonts
- Parallel Interface
- Graphics Resolution 360 x 360dpi
- Epson, IBM, NEC P20 & CEL Emulations
- Quarter Printing Facility
- Auto Sat Facility Bi-directional Interface, Auto Emulation Detection
- Ultra Quiet Mode - 43dB(A)
- Colour Printing Standard
- FREE Silica Printer Kit
- 2 Year Warranty

FAST COLOUR 24-PIN DOT MATRIX

FREE! PRINTER KIT

SWIFT 200C COLOUR

FREE DELIVERY IN UK MAINLAND

£152.34 + VAT = £179

INCLUDING VAT

FREE UK DELIVERY

THE SILICA SERVICE

Before you decide WHERE to buy, we suggest you consider WHERE to buy. Consider your requirements and compare what we can offer you with other companies. Then see for yourself why Silica are the UK's leading computer specialists.

- ESTABLISHED 17 YEARS – We have a proven track record in professional computer sales.
- PART OF A £50M A YEAR COMPANY – With over 300 staff - We are solid and secure.
- EXPERIENCED STAFF – All fully trained in Customer Care.
- TECHNICAL SUPPORT HELPLINE – FREE help and advice from a team of experts.
- A FULL PRODUCT RANGE – All of your computing requirements from one supplier.
- NO PRICE MATCH – We will normally price match any like for like product from a UK mainland competitor.
- FREE CATALOGUES – Tailored to your requirements and advised of all new releases.
- PAYMENT – We accept most major credit cards, debit cards, cheques or monthly terms (APR 23.8% - written quotations on request).
- VOLUME DISCOUNTS AVAILABLE – Education, Government and Local Authorities. Tel: 0181 309 1111
- MAIL ORDER – FREE Delivery in UK mainland on orders over £40.00 (VAT). Small additional charge for Saturday or Next Day delivery on orders under £40 (VAT).
- 32 STORES NATIONWIDE – Most Stores carry a selected range of our products which can be ordered in the store or by Mail Order.

SILICA

DEBENHAMS STORES NATIONWIDE

MAIL ORDER 0181-309 1111

Silica Stores: Opening Hours, Address, Area, Tel. Number

PLUS BRANCHES AT:

BRISTOL	Debenhams	0117 929 1931
CARDIFF	Debenhams	01222 341578
CHELMSFORD	Debenhams	01245 355511
CROYDON	Debenhams	0181 688 4455
GLASGOW	Debenhams	0141 221 0088
GUILDFORD	Debenhams	01483 301300
HARROW	Debenhams	0181 427 4380
HULL	Debenhams	01482 325151
IPSWICH	Debenhams	01473 221313
LONDON	Silica	0171 580 4000
LONDON	Debenhams	0171 580 3000
LONDON	Debenhams	0171 580 1234
LUTON	Debenhams	01582 21201
MANCHESTER	Debenhams	0161 832 8888
PLYMOUTH	Debenhams	01752 266666
READING	Debenhams	01734 [illegible]
SHEFFIELD	Debenhams	0114 [illegible]
SHEFFIELD	Debenhams	0114 [illegible]
SOUTHAMPTON	Debenhams	01703 [illegible]
SOUTHEND	Debenhams	01702 [illegible]
THURROCK	Debenhams	01708 [illegible]

SILICA

COMPUTER SHOPPER 1994 Awards WINNER Best Software Delivery Service

COMPUTER SHOPPER 1994 Awards RUNNER UP Best Software Delivery Service

PLEASE SEND INFORMATION ON THE CITIZEN ABC 24

Mr/Mrs/Miss/Ms: Initials:

Surname:

Company (if applicable):

Address:

Postcode:

Tel (Home):

Tel (Work):

Which computer(s), if any, do you own?

215L

Fitting a Hard

Save some money and speed up your Amiga by a factor of ten: John Kennedy takes a comprehensive look at adding a 3.5" hard drive to the A1200 and A600.

Ask an Amiga owner who has just got a new hard drive to go back to floppies, and they'll laugh at you. It's hard to describe just what a difference a hard disk makes to your system. Not only is it staggeringly faster than a floppy only system, but it allows a huge degree of customisation and convenience. Imagine never having to swap disks when printing from word processing or loading a paint program.

The only disadvantage to adding a hard drive is that they are not cheap. You will need to be prepared to spend more than £100; probably £200 or more for a good drive. However, the good news is that prices of 3.5" drives (as used in PCs and the Amiga 4000) have never been lower. It's a perfect time to add a hard drive to your system, so long as you know how.

The options

Selecting a hard drive for an Amiga A1200 or A600 can be a tricky business. Both these machines include IDE interfaces and have the necessary firmware built in to work with the hard drive. They even have LEDs which are already to light up when a hard drive is accessed.

Unfortunately, the Amiga is rather a small computer and space considerations meant that the designers concentrated on making it possible to fit 2.5" hard drives. Inside the case is a special drive cradle which will hold the tiny 2.5" mechanisms securely in place. This would be fine, and indeed many Amiga owners are very happy with their 2.5" drives. The problem with 2.5" drives is that they are expensive, only available in small capacities and not very fast.

By comparison, the larger 3.5" drives are now extremely cheap, available in sizes of over 1Gb and are very speedy. The price of 3.5" hard drives has fallen dramatically and you can now buy a bare 428Mb drive for about £120 excluding VAT and delivery. Of course, this still leaves the problem of how to connect the larger drive to the Amiga. There are several problems:

1 Physical space. The A1200 and A600 are not large machines, and there is a limit to the amount of free space available.

2 IDE Cables. The IDE interface inside the Amiga is designed for 2.5" drives which have cables of different dimensions to 3.5" drives. All the same signals are present, but in incompatible connectors.

3 Power. The 2.5" drives take a single 5 volt level from the IDE interface. They are designed to work in portable PCs where power is at a minimum. By comparison, the 3.5" drives needs two connections, one of 5 volts and one of 12 volts, and draws more power. The internal IDE interface cannot supply 12 volts.

Housing shortage

The problem of space means that a tempting option is to house the drive outside the Amiga in an external box. There is nothing wrong with doing this, and I know of many Amiga users to use their hard drives in this way. If a simple plastic box is all that is required, Maplin Electronic Supplies (Tel: 01702 554161) have a suitable one available for £6.49 (the Project Box D-014). Alternatively, the many SCSI drive housings available will also provide a good home, many of which include a Power Supply Unit as standard, and so will also provide a method of powering the drive.

The interface cables can then be led into the Amiga case, either by cutting a hole in the side or filing away some of the plastic lip. Great care must be taken not to over-tighten the case and severe the cable.

Hi Quality Version Available on AMIGALAND.COM

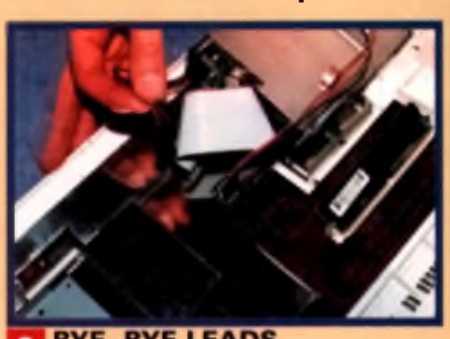
Step-by-step procedure

Here is how an A1200 can be fitted with a 3.5" drive in full technical colour. This operation was carried out using a cable kit supplied by Eyetech Group Limited, and a Seagate ST3491A 428Mb FAST IDE drive. If these instructions do not seem comprehensive enough for you, contact a company such as Eyetech tel: 0642 713185 who provide extremely detailed notes with their wiring kit.

During this installation it was decided to remove the metal shielding totally. The Eyetech instructions include details on how to mount the drive *without* having to do this. Before you start the job of installing the drive you'll need a good, well lit desk and some screw-drivers and pliers. An earthing strip is a very good idea. You'll also need tin-snips and a drill depending on how you decide to mount the drive internally.

1 OPEN UP
Place the computer upside down on a protected surface, and remove the five screws which keep the lid on. Some screws may be longer than others so make sure you make a note of which goes where.

2 GET THE LID OFF
Turn the Amiga over and hinge the lid off gently. It snaps into place at the sides, so lever it off with a blunt edge if it seems stuck. Notice the drive cradle for the 2.5" disk drive – we won't be needing that anymore...



3 BYE, BYE LEADS.
Disconnect the floppy disk drive lead. If you are removing the shielding as in this case, remove the keyboard ribbon cable and LED array leads as well. Again, make a note as to their orientation.

Drive

Warnings

Neither CU Amiga nor the author can take any responsibility if you damage yourself, your Amiga or your hard drive by attempting these procedures. You must carry them out at your own risk.

Warranty

If your Amiga has any warranty on it, as soon as you open the case, the warranty expires.

However, it is possible fit the large drives inside the A1200 case. I've heard of drives being fitted into an A600, but I have never attempted it. If you want to fit a drive internally, it must be a 'Low Profile' type drive, and you must be prepared to make some alterations inside the case.

There are two options. The first is to remove the metal shielding covering the Amiga circuit board, and slow the drive away in the space under the keyboard. The problems associated with this procedure are as follows:

1. It's very easy to cut yourself badly when removing the metal shielding.
2. The Amiga keyboard is connected to the motherboard via a small ribbon cable. The cable is very short and care needs to be taken in fitting the drive around it.
3. The drive needs to be insulated to make sure it doesn't touch the motherboard. If it did, it could short circuit both the drive and the motherboard causing damage.
4. The shielding cannot be replaced. This means the Amiga is now in breach of FCC-reg ulations, which means very little except you might notice some radio interference.

Sometimes, if the drive is extra small, it is possible to remove only the central portion of the internal shielding, and still have room to slide the hard drive under the keyboard.

The second procedure is slightly more tricky (believe it or not) but provides a much more secure way of fitting the drive. One fixing rail of the hard drive is removed, and a small portion of the internal shielding is cut away with tin snips. Two holes are drilled at the very back of the Amiga's plastic casing, and two screws inserted to hold the drive in place. With a piece of plastic shielding, this method provides a very stable and reliable way of housing the hard drive.

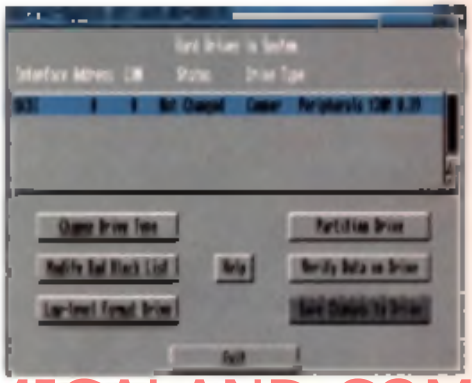
Cables and power

The cables themselves are the next problem, and there is no easy solution. The keen DIY fan will buy two cables, one for 2.5" drives and one for 3.5" drives, cut off the spare connectors and solder the wires together.

Alternatively it's possible to re-press the IDC style 3.5" connector onto the 2.5" cable. Both are very tedious and I cannot recommend them. There are 40 wires to connect, and life is too short to waste on fiddly things like this.

A much better approach is to buy a set of cables already made up. Several Amiga advertisers sell cables, and the price is not much more than if you had bought the individual components and made them up yourself.

These cable sets also provide the necessary power connectors. As mentioned, the



Hi Quality Version Available on AMIGALAND.COM

4 OFF IT COMES...
Remove the shielding. This requires you to fold up the metal tabs hold it in place. Be careful, as the edges are extremely sharp: I can show you the scars if you like. Please don't John, you know I have a weak stomach – Ed.

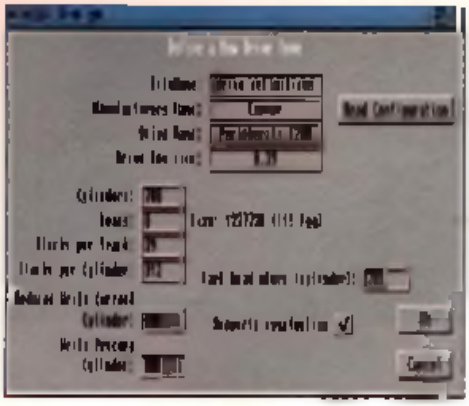
5 DRILLING HOLES
The Eyetech kit includes instructions on how to mount the drive using screws. It is therefore necessary to drill two holes in the back of the case. The instructions include a guide sheet for getting them in the right place.

6 CONNECTING THE CABLE
Now the cables. The Eyetech IDE connector is an 'all-in-one' unit. Others use a small PCB to link the two sizes of cable together. The Red line on the cable always goes to the figure '1' marked on the mother board even if it means doubling the cable over.

7 IN GOES THE DRIVE.
With a sheet of [illegible] the drive can be placed over the drilled holes. The drive fits on top of the cables. You must remove one set of mounting rails to allow it to fit properly. Now is a good time to make sure the drive's jumpers are set for one master drive.

8 FROM BELOW ...
Now we start to patch things up. The screws which hold the drive into place are inserted. The remaining power cables can now be connected (using a supplied adaptor which borrows power from the floppy disk), and the keyboard and LED array leads reconnected.

9 SNAP
Before the lid is replaced, one strengthening plastic strut must be snapped off to allow a tight fit. The case then then be closed up, and the screws replaced. Operating complete! You're now the proud owner of an Amiga complete with a hard drive and you did it all yourself.



▲ Getting the program to ask the drive what sort it is will save a lot of typing and errors

internal IDE interface only contains 5 volts, and 3.5" drives require 5 and 12 volts. The easiest location from which to 'borrow' the extra voltage supply is the floppy drive, which uses both currents. Using a specially adapted connector it is possible to connect both the floppy and hard drive power cables to the Amiga motherboard. Both the floppy and hard drives will work perfectly after this procedure.

With the drive housed, cabled-up and powered, it's only then a matter of prepping the drive and installing the AmigaDOS Workbench onto it.

Static

Static electricity kills chips. When poking around inside an Amiga with the lid off, you must make sure you aren't going to destroy the circuits inside. If possible, wear a proper earthing strip (available from Maplins) or a DIY one made from length of wire wrapped around your wrist and connected to a radiator or water tap.

Power

The standard Amiga power supply brick is not an infinite source of energy, there are limits. If you have a memory expansion and some bits and pieces such as sound samplers you shouldn't have any problems when you add the hard drive to the load.

However, if you have a lot of extra kit hanging off the various ports (such as an accelerator, a CD-ROM drive taking power from the Amiga and external floppy drives) all going at once, you might experience problems.

One way to check is to discover the power requirements for all the extra kit you have and compare them with the rating of the power supply unit (it's on the underneath of the box). More powerful power supply units are available from several distributors.

Cable lengths

The IDE interface is not intended for operating over vast distances: the cable to an internal 2.5" drive would be about 10cm maximum. Unlike a typical IBM-PC IDE interface, or that in the Amiga A4000, the A1200 and A600 connectors are not buffered, which makes them even more prone to errors with long cables. Try to keep all lengths to 30cm or less to avoid problems.

Spurious errors

IDE is a standard, but some drives seem to be more standard than others. A good drive, such as all modern Seagate and Connor drives, should present no problems. The drive should auto-mount (allowing booting from Workbench stored on it) from power-up, not just from a warm reset. If you switch the Amiga on and hold down both mouse buttons, the drive should be on the list of available devices.

Some drives don't seem to like doing this, although there are a few tricks. First of all, if you are using a Connor drive try altering any jumper settings which specify the drive 'CAM' setting. Secondly, try disconnecting Pin 1 from the IDE interface. This can be done by cutting the wire on the cable or bending the pin.

Some drives cause the Amiga to crash when copying large blocks of data, or simply have read/write errors. Sometimes some hard drive-installed games don't run. If this is the case, use the software for 'prepping' (preparing to operate) the drive to alter the MaxTransfer Speed, save the settings, reboot and try again.

These warnings are meant to protect you, not scare you off. I have to point out that over a year ago I built an interface myself from scratch using two ribbon cables, a piece of Veroboard and a lot of soldering. This cable has been driving a Seagate 80Mb 3.5" drive since then very happily, or it did until I dropped the drive onto a concrete floor and broke it. It has been replaced with a 120Mb drive which is still working fine.

Software

Unless you bought your drive from an Amiga dealer, before it can be used it needs to be 'prepped'. In the old days of SCSI drives, it was necessary to Low Level Format a disk drive. Because of the way in which IDE drives work, you should NEVER low level format an IDE drive. If you do, you could damage it permanently. A normal AmigaDOS format, as though formatting a floppy disk is fine, but ignore any Low Level Formatting options in special hard drive software.

Although the Amiga is under the impression that the drives you added are actually SCSI (because the operating system uses the scsi.device to control them), the drives are and remain IDE devices. To repeat: do NOT low level format them.

Prepping the drives requires special software, such as Commodore's HDToolBox or RDPrep. Your local Public Domain library or BBS should be able to help you out.

When run, the prepping software should detect a hard drive is present, although it will probably refer to it as of 'unknown' type. There will be a 'Define type' option, and when you click on this you should be able to select an option to read the type of drive directly from the drive itself.

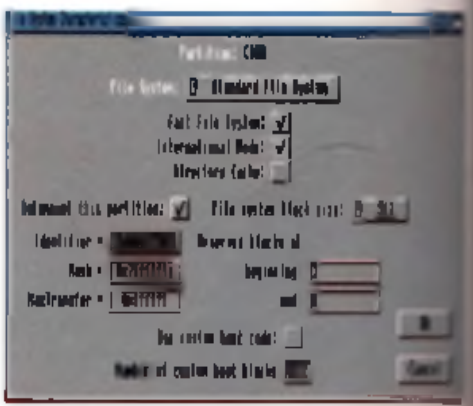
You will then need to partition the drive. This allows the drive to be split into two or more separate disk drives: or at least it appears that way to the Amiga. Typically, you make the first partition about 10 to 20Mb and call it Workbench. Make sure that 'Bootable' is set. The second partition is usually called Work and it takes up the rest of the space on the drive.

Save the changes to continue, but you also need to format the drives. The prepping program will have decided on the name for the disks (which you can change if you like) so make a note of it. Lets pretend for sake of example that the partitions are called 'CHD0' and 'CHD1'. From the Shell window, enter the following lines:

```
format drive chd0: name Workbench FFS
QUICK

format drive chd1: name Workb FFS
QUICK NOICONS
```

This will prepare the drives. Reboot the machine with the standard Workbench disk on floppy disk, and when Workbench loads you should see the new disk icons. Select all the files on your floppy (including the hidden one sussing 'Show All Files' and 'Select All') and drag them over to the Workbench partition. Now reboot with no disk in the floppy drive, and you should see the Amiga booting faster than you thought possible. ■



▲ If the drive has a lot of errors, click on the FileSystem button to get to this screen. Alter the MaxTransfer by removing the first '0' and see if that makes a difference

Eyetech's Cables

The cables used in the above procedure came from the Eyetech Group Limited. They can provide the cables by themselves (for about £15) or as part of a complete kit including earthing straps, full instructions and a suitably prepped and adjusted hard drive. For example, a 545Mb drive and all the kit required to kit it is available for £224 — remarkably good value for money.

The instructions which comes with the drive are extremely detailed, and are fully illustrated. The black and white images here are taken from the manual and illustrate various aspects of the procedure.

Eyetech are also extremely helpful, and if you are considering installing a drive into your machine give them a call. If you chicken out, they can fit a drive for you for an addition £30 fee.

Eyetech Group Limited, tel: 0642 713185
email: eyetech@cix.compulink.co.uk
Many thanks to Alan at Eyetech for making this feature possible, and Chris Johnston for the use of his Amiga and arms.

Hi Quality Version Available on AMIGALAND.COM

720dpi QUALITY

EPSON STYLUS COLOUR AT £439.95

HAMA HIGH QUALITY COLOUR & MONO PRINTER WITH 720dpi resolution more than triples the Epson Stylus Colour's quality & includes THE ULTIMATE LOOK

HAMA A-CUT VIDEO EDITING FROM ONLY... £184.95

HAMA GRAPHICS HARDWARE WITH ALLOWS YOU TO PERFORM VIDEO COMPUTER EFFECTS TO A PROFESSIONAL STANDARD - EASILY!

HAMA A-CUT

The Home Editing Controller from HAMA will transform your Amiga into an editing computer for video post production. Use with VHS, VHS-C, S-VHS, S-VHS-C, Video 8 and Hi 8. Windows/Workbench software

HAMA A-CUT £184.95

HAMA 292

S-Video & Composite Genlock with similar features to the A-Cut but also incorporating Simple Titler and full RGB control

HAMA 292 £279.95

HAMA 290

Top of the HAMA range. Has great Genlock features as that the 292 boasts two additional functions with Mirror Dual Fader and Monitor Through S-Video and Composite Video compatible

HAMA 290 £394.95

BUY FROM GH WITH ABSOLUTE CONFIDENCE!

"As a family business established in 1984, we've supplied computers for the past 12 years. With over £32 million worth of units sold, and more than 215,000 happy customers, our trading record is second to none! Why don't you try us for your next Amiga accessory or peripheral and find out just why we have become the... "UK's Favourite Amiga Reseller"

Gordon Harwood - Managing Director

Canon Bubble Jet Printers

CANON BJ-10ex

Mono 360dpi Bubble Jet Printer for budget priced A4 mono output with FREE Amiga connection cable

BJ-10ex Mono Bubble Jet £189.95

NEW... CANON BJ-200ex ...NEW

Mono 360 x 720dpi Bubble Jet budget priced home/office quality A4 output. FREE Amiga cable

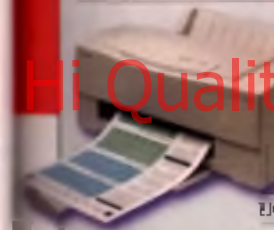
BJ-200ex Mono Bubble Jet £269.95

DUE OUT SOON!

CANON BJC-4000

Colour 360dpi Bubble Jet Printer for great hard copy colour printing. FREE Amiga cable

BJC-4000 Colour Bubble Jet £329.95



CANON BJC-600

Canon's top of the range Colour Bubble Jet Printer for the Amiga. Excellent quality 360dpi x 180dpi colour output - ideal for proofing work etc. FREE Amiga cable

BJC 600 Colour Bubble Jet £449.95

CITIZEN COMPUTER PRINTERS

ABC

One of the HIGHEST QUALITY Dot Matrix Printers around. Available in Mono or Colour versions. We can even convert to colour later if you wish. Complete with FREE Amiga cable and FREE Dust Cover

CITIZEN ABC - 24Pin Dot Matrix Mono or Colour Printer

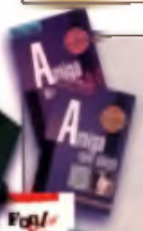
GH SUPASAVE CITIZEN 24 Pin QUALITY COLOUR JUST... £154.95 (Mono only £129.95)

PRINTER ACCESSORIES/CONSUMABLES

CANON BUBBLE JET CARTRIDGES		EPSON RIBBONS	
[illegible]	£16.95	[illegible]	£3.95
[illegible]	£18.95	[illegible]	£3.95
[illegible]	£9.95	[illegible]	£15.95
[illegible]	£9.95	[illegible]	£3.95
[illegible]	£20.95	[illegible]	£15.95
[illegible]	£16.95	6 Suffix 80 Column Colour Kit	£37.95
[illegible]	£21.95	[illegible]	[illegible]
CANON BJ-10ex SHEET FEEDER	£64.95	32K RAM BUFFER - 24/240	£15.95
[illegible]	[illegible]	32K RAM BUFFER - 200/240C	£19.95
HEWLETT PACKARD CARTRIDGES		128K RAM BUFFER - 200/240C	£35.95
[illegible]	£23.95	80 Column AUTO SHEET FEEDER	£84.95
[illegible]	£27.95	[illegible]	[illegible]
[illegible]	£26.95	CITIZEN ABC COLOUR KIT	£24.95
[illegible]	£26.95	CITIZEN ABC TRACTOR FEED	£26.95
EPSON STYLUS PAPER		EPSON STYLUS CARTRIDGES	
[illegible]	£21.95	[illegible]	£19.95
[illegible]	£25.95	[illegible]	£24.95

"Confirm you're getting the BEST DEAL - call these friendly people at the UK's FAVOURITE DEALER!"

"Got a technical problem?" "Need an upgrade?" "Want a new peripheral fitting?" LOOK NO FURTHER. Our Amiga Approved Engineers will do the job.

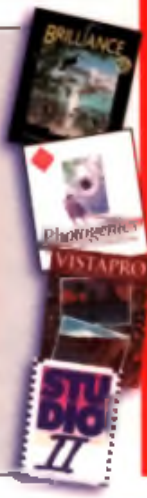


AMIGA BOOKS

Amiga Workbench 3 A-Z	£14.50
Amiga 1200 Insider Guide	£14.50
Amiga Assembler Insider Guide	£14.50
Mastering Amiga DOS Version 3 Reference	£19.95
Version 3 Tutorial	£19.95
Amiga Desktop Publishing	£14.95
Fonts & Clip Art	£9.95
Mastering Amiga BBS	£19.95
DOS Scripts	
Amiga Right and Down	£14.50
A1200 - Next Steps	£14.50
A1200 Beginners Pack (2 books, video & tutorial disks)	£37.95
Workbench 3 Booster Pack	£37.95

AMIGA SOFTWARE

FINAL DATA Latest - New Database	£79.95
DEVPAC Version 1.5	£34.95
FINAL COPY I Release 2 - Supports AGA	£49.95
FINAL WRITER Release 3 - Supports AGA	£74.95
OCTAMED PRO100	£36.95
VISTA PRO 3	£29.95
VISTA PRO 3.0	£29.95
TERRAMOLE V2	£62.95
BRILLIANCE 2	£49.95
IMAGINE 3	£199.95
X-CAD 2000	£34.95
GB ROUTE -	£34.95
PHOTOGENICS (AGA Only)	£52.95
INTOS (Requires AMOS)	£24.95
STUDIO II The Ultimate sprite manager!	£49.95



FAX NUMBER 01-773 831040

ORDER HOTLINE 01-773-836781

Hi Quality Version Available on AMIGANET.COM

"...at GH, we'll look after you..."

SERVICE, SUPPORT and WARRANTY: GH is one of Amiga UK's selected Authorised Service Providers (not all Resellers have this accreditation). Our standard One Year GH Gold Warranty gives you complete peace of mind, with unlimited optional extensions.

BY PHONE: We'll help with any queries and when you're ready to order we accept Visa, Mastercard, Access, Switch, Connect, Delta and Eurocheque Cheques (even 'cross cards' and Eurocheque card we happily accept them).

BY POST or FAX: When ordering include your name, address and preferably a contact phone number with your order requirements. If charging a credit/debit card include its number and expiry date (and issue number with Switch cards).

PRICES: Please remember to confirm prices as it is you are looking at an 'old' magazine. Prices can change (up or down), before the magazine's cover month has passed. Please confirm before sending orders by post.

EXPORT: Most items are available at TAX FREE PRICES to non EC resident overseas customers. Please call us for confirmation of prices and carriage charges.

DELIVERY: We ship promptly & offer delivery of all orders throughout mainland UK & most products overseas. If your order is urgent we have priority despatch options with various delivery available.

US ROBOTICS MODEMS FROM...

SPORTSTER 144 £169.95

SPORTSTER 288 £269.95

Whether you want to save data or log onto the Global Information Superhighway, we've got great modems that are both FAST and AFFORDABLE. The 144 operates at up to 14400bps while the 288 boasts an incredible 28800bps maximum. BABT Approved FAX COMMS are included. For FAX use you may purchase GP FAX SOFTWARE

GP FAX SOFTWARE £49.95

MOUSE MECHANIC

The perfect tool to help keep your mouse in top working condition... THE EXCEPTIONALLY EASY WAY!

Mouse Mechanic - Cleaning Tool £5.95

ALPHA DATA TRACKBALL

Hi-Res Amiga Trackball Controller

Trackball £32.95

ALPHA DATA HQ MICE

MegaMouse High Quality, 400dpi Resolution Mouse £11.95

Optical Mouse High Quality, Optical Microswitched Mouse £28.95

AMIGA INTERNAL SELF FIT HARD DRIVES...

CALL US FOR DETAILS OF GREAT PRICES ON THESE ESSENTIALS

gordon harwood computers

the UK's favourite Amiga reseller!

GORDON HARWOOD COMPUTERS LIMITED (Department CUA /A6) 1 NEW STREET ALFRETON DERBYSHIRE DE55 7BP
Telephone: 01-773 836781
Facsimile: 01-773 831040

WIZARD GAMES

1 NORTH MARINE ROAD, SCARBOROUGH, NORTH YORKSHIRE. YO12 7EY. Tel: 0723 376 586

AMIGA GAMES

Campeon 2	£14.99	Noddy's Playtime 3-8 yrs	£16.99
Champ Manager End Of Season DVC	£12.99	PGA Tour Golf + Extra Courses	£13.99
Dawn Strike	£10.99	Premier Manager 3	£13.99
Dune 2	£13.99	Reach For The Skies	£11.99
Graham Gooch A 2nd Innings	£13.99	Sabre Team (A1200)	£9.99
Kid Pix	£9.99	Sim City Architects 1	£4.99
Mavis Beacon Typing Tutor	£13.99	Supremacy	£10.99
Monkey Island 2	£12.99	Transarctica A500/1200	£10.99
Noddy + Big Adventure 5-8 yrs	£16.99	Transarctica A1200/4000 Hard Drive Only	£10.99
		Valhalla Before The War	£19.99

ANY 3 FOR £20.00

Addams Family	Gazzetta (A1200)	Sensible Soccer
Bubble + Squeak	Global Gladiators	Sleep Walker (A1200)
Bump & Burn	Hotspot & Return of	Super Methane Bros
Bubble & Spezak	Wicked (Not A1200)	Steel Marks
Battlestorm	International Open Golf	Soccer Kid A1200/500
Battle for the Ashes	A1200	Space Crusade + Voyage
Bit Mag Brew (Not A1200)	James Pond 2 A1200	Beyond (Not A1200)
Clockwiser A1200	James Pond 3 A1200	Tactical Manager
Club Football	Jetstrike A1200/500	Traps & Treasures
Cybercon 3	Liberation	Top Gear A1200/500
Death Mask	Micropose Gold	Trivia A1200/500
Disposable Hero	Out to Lunch	Trivial Pursuit
Dennis A1200 / A500	Overkill	War Kid
D-Generation A1200	Playdays	Yo Joe
European Champions	Road Kill A1200	Zool 2 (A1200)
Fun School 2 (Under 6-8)	Rocky Horror	Viral Light
Over R	Road Rash	Win'n'Lar
Fury of the Furies	Rugby League Coach	
Goblins 2	Soccer Team Manager	

When Ordering Please Give One Alternative also Which Amiga

CD 32

Cannon Fodder	£14.99
Bump n Burn	£19.99
Death Mask (Disney)	£15.99
Guiness Encyclopedia	£19.99
Guiness Book of Records	£12.99
Humans 1 & 2	£12.99
Jungle Strike	£17.99
King Pin	£11.99
Nick Faldo	£14.99
Road to Kill	£11.99
Ryder Cup Golf	£10.99
Theme Park	£23.99
Tower Assault	£19.99
Trolls	£13.99
Wembley International Soccer	£19.99

COMPILATIONS

THE GREATEST £12.00
Jimmy White/Dune
Lure of the Temptress

EXCELLENT GAMES £12.00
Shuttle/Populous 2
Archer Macleans Pool/James Pond 2 (Not boxed)

SPORTS TOP 10 £14.99
World Rugby/World Soccer/ Int Ice Hockey/Int Tennis/ Int Truck Racing/World Cricket/ Carnage/Tag Team Wrestling Kenny Dalglish/G Souness

THE COLLECTION £19.99
Cannon Fodder, Settlers, Chaos Engine, T 2.

COMBAT CLASSICS £10.00
F/S Strike Eagle 2, Team Yankee, 688 Attack Sub

COMBAT CLASSICS 3 £21.00
Campaign, History Line, Gunship 2000

THE COMPLETE RACE
NIGEL MANSELL A1200/A500 + THE FREEWHEEL + THE FOOT PEDALS
£25.99

SPECIAL OFFER

Money Matters +3	£29.99
Infofile	£5.99

Includes Database, Accounts, Addressbook, Graphics

ANY 3 FOR £10.00

Allo Allo	Carrier Command	Ultimate Golf
Pegasus	Fire Force	Utopia
Jim Power	Hungary for Fun	Ultimate Ride
Mega Mix en	Soccer Star World Cup	Liverpool
Rangers	Skid 2	Toxic Carnage
Strikes	Supernova (Fruit machine)	Puzznic
Subbuteo Commando	Dutch Attack	Blues Bros
Dinosaur Detective	Nigel Mansell	Morph A1200
Agency	Lamborghini	Crazy Cars 3
Arnie 2	Pictionary	Hyperion
Beneficial	Art of [illegible]	Super Cars 2
BSS Jane Seymour	Bully's Sporting Darts	Rick Dangerous
Daily Double Horse Racing	Galactic Warrior Ran	Shuffle Puck Cafe
Bmx Simulator 10	Impossamole	The 3 Stooges
Simon XMAS Crackers	Spike in Transylvania	Cary Spy
Times Crosswords	World Champ Boxing	The Power (Puzzler)
Huckle Berry Hound	Manager	Summer Camp
Switch Blade 2	Sim Cross Words	Winter Camp
Space Crusade	Plan & Draw	One Step Beyond
Steve Davis Snooker	Zool	Mean Arenas
Colossus 4 Chess	INT Soccer	

When Ordering Please Give One Alternative Also Which Amiga

CD32

Alfred Chicken	Diggers	Man UTD	Seven Gates of Jambala
Battlemeds	Flybuster	Mean Arenas	Sleep Walker
Battleclone	Frontier	Nigel Mansell	Top Banana
Bassons	Fury of the Furies	Overkill + Lunar	Top Gear 2
Bubs 'n' Stix	Guardians	Out to Lunch	Whales Voyage
Bulls & Spreads	Jaguar Bassons	Released	Zool
Cartoon Jr	Kid Chaos	Striker	Zool 2
Chuck Rock 1	Lost Devil	Super Methane Bros	
Chuck Rock 2	Lotus Trilogy	Syndicate	
Chuckie Egg	Lotus Turbo	Sensible Soccer	
D-Generation	Lotus Trilogy	Zool	

£8.99 Each or Any 3 for £20.00

Games subject to availability.
A phone call reserves your order

Open 6 Days a week
9.00 - 9.30
Price inc. P+P (U.K.)
Europe + £2.00 Per Game - Rest of the World £3.00
Shop prices may vary.
Cheques or postal Orders Payable to Wizard Games.
WIZARD GAMES, 1 NORTH MARINE RD, SCARBOROUGH, N YORKS YO12 7EY
Tel. & Fax : 0723 376586 : 501394

Hi Quality Version Available on AMIGALAND.COM

COLOUR KITS for MONO PRINTERS

Ever wished your 9 pin/24 pin printer printed in more than one colour? Wouldn't it be nice to print out pictures in colour? Now you can with Amiga "Photocolor Kit". Each Amiga Photocolor Kit comes complete with everything you need to print in colour, including superb quality ink. The colours fit is simple to use, the ribbons fit exactly the same way as your black ribbons so it will not affect your guarantee. Also on all models listed below paper alignment is unimportant, you do not have to manually align. PRINTS AS GOOD AS COLOUR PRINTER. If your printer is not listed or below please phone. Amiga Photocolor kits for Star LC10, LC20, all Star 24 Pin Panasonic 1080/81/1123/1124 Epson FX80, FX100, LQ800 etc. Citizen 120D+ NEC P6 P6+. Please note colour kits come complete with coloured ribbons (Ann Reading now included in software) **COMPLETE KIT £9.95**

FLEXIDUMP 3

NO MORE BANDING
NO MORE WHITE LINES
Colour graphics like you've never seen before

Yes its true the new flexi 3 will remove banding & white lines from dot matrix & bubblejet printers.
Now you can have laser quality on dot matrix printers.

Other new features include:-

- Realtime control for picture enhancement
- Select area to be printed
- Select size to be printed
- Page Control
- Colour Save
- Ink Correction
- Automatic printer mode for larger than A4
- Gamma correction (fully adjustable and reversible)
- Spooler for colour letter heads etc
- Colour superscan (Print colours on your bubblejet / desk jet)
- Now with Anti-Aliasing to get rid of jagged edges
- Large range of dithering (dot pattern) modes
- Variable levels of smudging to totally remove banding / white lines.
- Colour catalogue function will print a miniature of each picture. Configurable between 1 to 8 across.
- Will drive 9 or 24 pin Star, Citizen, Panasonic, NEC, Epson, Pinnacle, Riteman Packard

ONLY £24.95 **CARE SPECIAL £29.95**

GOT THE CC COVERDISK FLEXIDUMP OR AN OLD VERSION THEN UPGRADE FOR ONLY £14.95

T-SHIRT PRINTING RIBBONS

PRINT ON NORMAL PAPER IRON ON T-SHIRT

4 Colour Citizen Swift	£29.95
4 Colour Citizen Swift (Reload)	£14.95
4 Colour Star LC10	£14.95
4 Colour Star LC200 9 Pin	£14.95
4 Colour Star LC200 9 Pin (Reload)	£12.95
4 Colour Star LC200 24 Pin	£29.95
4 Colour Star 24 Pin (Reload)	£14.95
1 Colour Star LC10	£11.95
1 Colour Star LC200 9 Pin	£11.95
1 Colour all Star 24 Pin	£11.95
1 Colour Epson FX80/ Q470/MX80	£11.95
1 Colour Epson LX80	£11.95
1 Colour Epson FX100	£11.95
1 Colour Panasonic KXP 1080	£11.95

Heat transfer paper 3 large red/ orange/ yellow/ green/ blue, Large paper have a marker size ink £14.95 a set
Heat transfer Paper 3 small red/ orange/ yellow/ green/ blue, small paper have a fine nib £12.95 a set

ALL PRICES INCLUDE VAT AND CARRIAGE

BLACK PRINTER RIBBONS

Don't throw away your plastic printer ribbon cases when the ribbon wears out just take the top off, take out the old ribbon and reload it with a new one. Black reloads from as little as 99p each

SPECIAL RE-INK

For Panasonic Printers, Star LC200 9 Pin, Epson LQ100, OKI 182/390 Black Ribbons re-ink 100+ ribbons £0.99

COLOUR PRINTER RIBBONS

Don't throw away your plastic printer ribbon cases when the ribbon wears out just take the top off, take out the old ribbon and reload it with a new one. It's simple. Full instructions supplied. We stock Reloads for most colour printers.

Reloads for:

Star LC200 9 Pin 4 Colour (Normal Ink)
1 Reload - £5.99 5 Reloads - £23.99

Star 24 Pin 4 Colour (Normal Ink)
1 Reload - £6.99 5 Reloads - £29.95

Citizen Swift/ABC 24 4 Colour (Normal Ink)
1 Reload - £6.99 5 Reloads - £29.95

Colorado SJ 48/MJ 4 Colour (Normal Ink)
1 Reload - £6.99 5 Reloads - £29.95

Panasonic 1080/81/1123/1124 4 Colour (Normal Ink)
1 Reload - £6.99 5 Reloads - £29.95

Ink ribbons also available in Gold, Silver, Magenta, Orange, Purple, Brown, Green, Blue, Red for a wide range of printers.

INKJET REFILLS

"CARE THREE PACK" will refill HP51626A Cartridge 3 times. The Canon BC-01/02 Cartridge 3 times. Three Pack available in Yellow, Magenta, Cyan, Red, Green, Brown, Purple, Black

CARE SPECIAL £12.95

"TRI COLOUR PACK" Yellow, Magenta, Cyan refill C1 10 times for Bubblejet and Deskjet

"CARE SIX PACK" will refill HP51626A cartridge 6 times. The HP51626A High Capacity 3 times. The Canon BC-01 Cartridge 6 times.

Please state type when ordering
6 BLACK REFILLS ONLY

CARE SPECIAL £9.99

GOT A BLOCKED NOZZLE? DON'T THROW AWAY YOUR CARTRIDGE - NEW "INK MAGIC" PRINT HEAD RECOVERY FLUID 10ml BOTTLE £5.95

Best Service Unlimited Repair Facility available CARE ELECTRONICS or our Agents

CARE ELECTRONICS

Dept CUA, 15 Halland Gardens, Garston, Watford, Herts WD2 6JN Fax 0923 672182

ORDER LINE ON 0923 894 064

ScreenScene

There is a new phenomena afflicting games publishers. It's called maybeism and it's a state of mind that results from uncertainty about the Amiga's future. "Will you bring this game out for the Amiga?" We ask. "Maybe". Some games are totally out of reach of the Amiga, 64-bit wonders like Sony's Ridge Racer for instance, but there's no reason why publishers can't port a PC game – even a CD-ROM title, or develop it on Amiga and port it to PC. The amount of CD32s and CD-ROM drives for A1200s should justify this, and it's certainly worked in the past – Simon The Sorcerer was originally an Amiga developed title which is now mega popular on PC. If you own a CD-ROM drive and you want to see games for it then write to me at the usual address and I'll voice your opinions. Otherwise write to your favourite software house. 'Maybe' we can get things rolling.

Hi Quality Version Available on AMIGALAND.COM

BUDGETS & COMPILATIONS

- Award Winners Platinum Collection 65
- Space Hulk 65

TIPS

- Dreamweb 66
- Lords of the Realm 69

PREVIEWS

- Brutal 43
- Fears 47
- Player Manager 2 47
- Virocop 48
- Final Over 48

REVIEWS

- Super Skidmarks 2 50
- Super Loops 53

- Foot Italia '95 56
- Premier Manager 3 Update 56
- Man United 59

CD32 REVIEWS

- ATR 60
- Theme Park 60
- Kingpin 62
- The Clue 62

FEATURE

- ECTS show report 40

We report from Europe's biggest games trade show. Giants were formed, new formats were shown off and the Amiga didn't do too bad either.

ECTS SPRING 1995

Spring is traditionally the time of year when new software titles multiply, when embryonic games first see the light of day. Did ECTS '95 follow suit? Let's see ...

Hi Quality Version Available on AMIGALAND.COM

Even though March's European Computer Trade Show was dominated by the new 64-bit CD machines the Amiga and speculation about its future refused to go away. The rival Commodore bid, from German PC manufacturer and distributor Escom was front page news for the trade paper Computer Trade Weekly, and Amigas were present on rather a lot of stands.

Although David Pleasance was quick to dismiss the Escom bid, the show was buzzing with talk of new investment, PC cards for big box Amigas and Amiga cards for PCs. The latter idea seemed to have gripped quite a lot of people, the reasoning being that a lot of people currently using PCs would prefer to use an Amiga some of the time and may already have software for it. Also there is still a large amount of quality Amiga games available at a lower cost than current PC titles, including platformers and football titles which have never translated well on to the PC.

Big fish

The show was full of big fish who had swallowed little fish: Psygnosis (who, in their time were big fish) could be found lurking under the massive columns of the Sony stand, while Renegade were, for the first time, on the Warner Interactive Entertainment stand after being bought lock, stock and barrel by the multinational giant last year. Both Sensible Software and The Bitmaps have signed up for long term deals with Renegade/Warner Interactive Entertainment, but unfortunately Sensi Golf (still to being distributed through Virgin, not Warner) and The Chaos Engine 2 are the last products which these two developers are planning for the Amiga. Across the aisle from Warner Interactive Entertainment was Time Warner Interactive. If only Warner Brothers Interactive Entertainment had been there it would have completed the trio of competing companies all eventually owned by the massive entertainment multinational Time Warner. Sounds confusing? Let me explain.

Time Warner has many strings to its bow; it's into publishing films, music and cable TV networking and each of these is a separately managed giant entity. The three different 'Interactives' are offshoots of three of these divisions. Time Warner Interactive, the oldest, came to the fore last year by distributing and marketing *Rise Of The Robots*. This year's biggie from them (in fact the only Amiga game they are producing in 1995) should be *Primal Rage*.

Warner Interactive Entertainment, now propriators of Renegade, is part of the Warner Music group and will be releasing *Chaos Engine 2*, *Virocop* and *Fight For The Amazon Queen* before the Summer. They also haven't ruled out releases later on in the year if the right software comes their way. Warner Brothers Interactive Entertainment is part of the movie wing of the company, but is highly unlikely to produce anything for the Amiga.

Team work

As reported in this month's news, Team 17 have tied up a deal with Ocean Software to exclusively market and distribute their games on a worldwide basis and on all platforms. This deal ensures that the Team's biggest release of the year, the Amiga developed *Worms*, gets maximum publicity. And judging from the response of jealous rivals at the show it looks like being a massive hit – it really could be a *Lemmings*-esque success story. In fact, so pleased were Team 17 with all this news that they were impossible to get hold of – unless you wanted a game of *Worms* that is. That was the magic word. If you said it loudly enough members of the Wakefield based development house would suddenly appear

Impressions new business sim Powerhouse sees you running lots of small running power companies.

from all four bars in Earls Court exhibition hall, eager to show off their skill with the bazooka, blow torch and guided missile.

I would just like to publicly state here and now that Martyn Brown, Creative Director of Team 17 is an unscrupulous cheat. I had one of his worms nailed – dead and gone, but I can now exclusively reveal that he told me to "... try the bungie, go on". I did, I bunged off the top of a cliff and landed on a mine which blew my worm up, leaving his unharmed. Major changes in the game since we previewed it were the presence of mines, ammo drops and new speech samples. The new date set for multi format release is September and it's hoped to eventually reach Amiga, PC, Playstation, Mega Drive, Saturn, SNES, Jaguar and others.

Ocean had a massive presence with their own bar and acres of meeting rooms. In fact all they were missing was Amiga software, but with a healthy budget release schedule lined up through their Hit Squad label and the Team 17 deal in the bag they're not exactly turning their backs on the market.

Impressive

Impressions had a well impressive line up of games for the Amiga, all due for release between now and September. Four were being touted, three of which we've already reported on, but the versions we saw on PC were all but finished, while the Amiga ports of two of them are barely a month or so away. These were *Ultimate Soccer Manager*, *High Seas Trader* and *Frontlines*. Impressions were also demonstrating PowerHouse, a new business simulation where you run power companies and get paid a lot of money. Hmmm, fantasy mimics reality. The first of these games to be released, *Ultimate Soccer Manager*, on A1200 only was actually 95% ready on Amiga when we saw it and we'll review it next month.

Ascon, the German developer responsible for the *On The Ball* series was also at ECTS with a new management sim, this time based around the world of Formula 1 racing. Titled *Pole Position*, it will feature the current circuit of race tracks, all the relevant financial and management issues, technology, rules, the press and temperamental drivers, some of whom may have Groucho Marx moustaches and large eyebrows.

Black Legend were showing an impressive line up of product at their stand, from various development houses. These included racing game *Leading Lap*, *Doom* clone *Evil's Doom*, an indoor version of *Football Glory*, an isometric RPG/shoot 'em up titled *Tower Of Souls* and the AGA version of *Turbo Trax*.

There was good news for the CD32 too with Mirage indicating that they intend to produce versions of *Rise 2: Resurrection*, the follow up to *ROTR* with a new storyline, more speed, more moves (thankfully) and more other things, too numerous to mention or even hope for until we actually see them in operation. They are also hoping to release *The Adrenalin(e) Factor*, which is described in their press blurb as being an isometric 'Cyberpunk strategy/blast 'em up'.

A CD32 version of *Pinball Illusions* is on its way from 21st Century and *Pinball Mania*, an all new all Amiga pinball game was touted as being possible.

Legends is the next big title from Krisalis, who this year wisely and popularly decided to get a sound proof, air conditioned meeting room (ECTS is is noisier than a row with Spanish fishermen in a police siren testing factory), for both CD32 and A1200, and this *Zelda*-like game has positively exploded. The demo we previewed last year inhabited four disks, but the release version will have at least eight, the result of protracted development and improved graphics. Krisalis didn't rule out further releases this year, but like many other software houses they are looking for outside development and talent rather than developing Amiga software in-house. They are currently evaluating products both from the UK and abroad.

The Adrenalin(e) Factor – Mirage's Cyberpunk strategy/blast 'em up.

Above: Get ready for '95's big game – Time Warner's Primal Rage.
Right: Formula 1 racing management in Pole Position.

Development

This attitude seemed to be the theme of the show. Even Team 17 were making noises about halting in-house development of Amiga games now that they've entered the big bad money-spinning world of true multiple platform development. However, they haven't forgotten that what could possibly become their biggest selling game yet, *Worms*, was originally developed by an independent (and soon to be very rich) Amiga programmer. If you reckon you have a top game in you, then contact software houses like Krisalis, Team 17 or Black Legend. Despite all the hype of the latest consoles the ECTS showed that there is still interest and money in the Amiga and a strong demand for Amiga game designers, artists and programmers. ■

Hi Quality Version Available on AMIGALAND.COM

Visage Computers

(Dept CU)
27 Watnall Road
Hucknall
Nottingham
NG15 7LD

If you have found a cheaper price elsewhere in this magazine, call us and we will do our best to beat it.

To Order Telephone:
(0115) 964 2828
Telephone/Fax:
(0115) 964 2898

AMIGA PD

PARTY '94 DEMOS

1 Ancronauts - Nexus7 AGA
2 Bomb - Mirkon Origin2 AGA (2)
3 Sanity - Roots AGA
4 Police Raid - Twisted ACA 4mb(4)
5 Silents - Soul Kitchen AGA (2)
6 Rebels - Whenever Siamese AGA(3)
7 Melon - Ninja AGA
8 Oxyron - Killing Time AGA (4)
9 Dig Dreams - Flame Menbrane AGA(2
10 40k Intros

We also stock - Utilities Fish 1 - 1000 Assassins 1 - 220 ... Fish numbers 1-44 and are now the sole distributor for LSD Legal Tools from £152 onwards. The LSD Legal Tools cost £1.25 per disk

DISK PRICES & POSTAL RATES

DISKS	PRICE PER DISK	P&P
1 - 10	£1.00	£1.00
11 - 25	£0.95	£1.25
26+	£0.90	£1.50

AMIGA HARDWARE

HARD DRIVES

WESTERN DIGITAL

3.5" IDE

210MB	12ms	£169.99
340MB	12ms	£189.99
420MB	12ms	£169.99
540MB	12ms	£199.99
850MB	10ms	£269.99
1 GIG	10ms	£329.99
1.2 GIG	10ms	£369.99

QUANTUM

3.5" IDE

270MB	12ms	£139.99
420MB	12ms	£155.99
540MB	12ms	£179.99
730MB	10ms	£219.99
1 GIG	10ms	£499.99

3.5" SCSI 2

270MB	12ms	£179.99
540MB	12ms	£229.99
730MB	10ms	£279.99
1 GIG	10ms	£499.99
2.1 GIG	10ms	£999.99

IBM

2.5" IDE

80MB	16ms	£109.00
120MB	16ms	£139.00
170MB	16ms	£159.00
340MB	12ms	£229.99
520MB	12ms	£369.99

All 2.5" Drives include IDE cable

3.5" IDE

365MB	12ms	£169.99
548MB	12ms	£189.99

3.5" Hard drives will fit into the A1200/4000 (cable required for A1200 £19.99 - SEE ACCESSORIES) When you purchase your drive from us we can fit it for a charge of £19.99 (including collection & delivery) Please confirm current prices & availability before ordering

EXTERNALLY CASED DRIVES

1200 OVERDRIVES

210MB	£219.99
420MB	£229.99
540MB	£259.99
730MB	£359.99
850MB	£109.99
1GIG	£419.00
1.2GIG	£449.99

A500 ALFA POWER EXTERNAL

270MB	£234.99
420MB	£259.99
540MB	£269.99
730MB	£349.99
1 GIG	£489.99

Alfa Power HD's plug into the DMA port of the A500. Can be populated with upto 8mb of fast ram. Requires KickStart V2+

SX1 - CD32 EXPANSION MODULE

Turns your CD32 games console into a full Amiga computer.
With FREE GoldFish CD £194.99
Keyboard for SX1 ... £37.99

GOLIATH 200W POWER SUPPLY

High powered PSU for the Amiga. Ideal replacement
Only ... £44.95

LOOK AT WHAT YOU GET FROM OUR HD's

Drives come ready to run prepped and formatted with WB ☑

Installed with 100MB of FREE top quality Public Domain Software ☑

Only quality drives used, with at least 1 year warranty (Most 2 to 5 year) ☑

PRINTERS

EPSON

Stylus Colour Inkjet Printer
Photographic quality output when used with optional 720DPI printer driver (coated paper required)
Built ih auto-sheetfeeder.
Only ... £429.99

STUDIO 2 - PRINTER STUDIO

Professional print studio for the Amiga. Enhance the output of your printer inc 720DPI on EPSON STYLUS Colour. Only ... £49.95

Canon

BJ10sx Low Cost A4 BubbleJet
360 DPI - £179.99

BJ200 Mono BubbleJet Printer
80 Page Auto Sheetfeeder
360 DPI - £239.99

NEW ... **BJC4000** Colour BubbleJet
Colour 360DPI - Mono 720x360DPI.
An Amazingly Low ... £399.99

CDROM DRIVES

MITSUMI QUAD SPEED

Internal 600KB Per Second Transfer Rate - £199.99
Requires Tandon CDROM Controller - £69.99

CD32 CRITICAL ZONE PACK

32 Bit CD Console. With 7 games Inc Cannon Fodder, Ultimate Body Blows & Liberation. Only ... £239.99

IN STOCK NOW!!!

A1200 BLIZZARD 1220/4

Make your A1200 faster than an A4000/30 with this 4MB accelerator. Fits into the trap door. Expandable to 8MB RAM.
NOW AVAILABLE !!! £229.99

A1200 BLIZZARD 1230/4 MKII

50 MHz 68030+MMU.
NOW AVAILABLE !!! £229.99
4MB RAM for A1230 £130.00

CYBERSTORM 040/40

Dramatically speed up your A4000 with this replacement daughterboard £899.99

MODEMS

ALTO 14,400 External fax modem.
£139.99
ALTO 28,800 External fax modem.
Fax class 3, V34 ... £229.99
Modems come supplied with Cables, manuals and Comms software.

MEMORY SIMMS

4MB 72 Pin 70ns	Call
8MB 72 Pin 70ns	Call
16MB 72 Pin 70ns	Call

DISK DRIVES

- Amitek Amiga External £59.00
- A500 Internal £44.00
- A600/A1200 Internal £49.00

SHARP TV MONITOR

14" Remote control colour Scart TV
FREE Scart Cable Included
£169.99

RAM BOARDS

Machine	Memory	Clock	Price
A500	0.5mb	No	£20.99
A500	0.5mb	Yes	£25.99
A500+	1mb	No	£30.99
A600	1mb	No	£30.99
A600	1mb	Yes	£40.99
A1200	2mb	Yes	£134.99
A1200	4mb	Yes	£169.99

PRO-GRAB 24RT

PARALLEL PORT VERSION

24BIT Real-Time Colour Digitizer.
A1200/4000 Recommended.
2.04 & 1.5 MEG Required.
Only ... £129.99

PCMCIA VERSION

Same Specification as above.
Increased speed.
Only ... £159.99

ACCESSORIES

3.5" - 2.5" HD Lead	£19.99
Canon BJ-10 Refills	£12.99
Midi interface	£19.99
MegaMouse 400DPI	£14.99
Parnet Lead inc Software	£10.99
Mouse Mats	£1.99
Amiga Dustcovers	£4.99
Parallel Printer Cable	£7.99
50 Capacity Disk Box	£3.50
100 Capacity Disk Box	£5.99

TDK FLOPPY DISKS

Call for best prices on TDK DS/DD.
From ... 30p each.

SQUIRREL SCSI2 INTERFACE

Fits into the PCMCIA interface of your A1200.
Fast SCSI2 interface to connect CD Drives, Hard Drives Etc.
With Software. Just ... £69.99

DELIVERY CHARGES

STANDARD (3-4 DAYS)	£3.95
NEXT DAY COURIER	£5.00
SMALL ITEMS	

All prices include VAT.
Prices are correct at time of going to press

HOW TO ORDER

BY POST - Please make cheques & postal orders payable to "***VISAGE COMPUTERS***" Please allow 5 working days for cheques to clear.

BY PHONE - Orders taken from 9.30am to 5.30pm

TELEPHONE 0115 964 2828 OR TELEPHONE/FAX 0115 964 2898 TO PLACE YOUR ORDER

Hi Quality Version Available on AMIGAAMD.COM

Brutal: Paws of Fury

Due for release: June ■ Publisher: Gametek ✆ 0753 553 445

▲ Everybody was kung fu fighting – in the wrong game

Forget your Mortal Kombat, and Streetfighting is for wimps. There's only one way to kick some serious bottom, and that's the furry way.

With any new or reborn genre, a trend of follow-ups always seems to follow. Once you have your 'serious' contender, such as the arcade licence that starts everything off, you invariably get the dozen or so copycat titles, that try to emulate the look, feel and theme of the original, generally quite poorly. And then come the versions with the slightly altered plotlines. Finally, and usually the one worth waiting for, comes the cute variant. See for yourself if you don't believe me – Nemesis becomes R-Type which becomes *Disposable Hero* before ending up as *Apidya*. *Way Of The Exploding Fist* went through a variety of different guises before turning into the rabbity Yosagi Yojimbo Samurai Warrior.

Flavour of the month

Take a look at the games that have been causing a stir in the last twelve months, and you'll see that current flavour of the month is the beat-em-up. *Mortal Kombat 1* and *2*, *Super Streetfighter 2*, with added turbo, combo and a whole line of other extensions with the letter 'o' on the end, not forgetting *Dangerous Streets*, *Body Blows* – the list goes on and on. A whole bunch of bloodthirsty combat titles where the kicks hurt, punches land with a solid smack and the last one standing is the one with the busted knuckles.

Brutal is something quite different, although the onus is still on combat. Like any other beat em up, you can select your character and then battle your way through a selection of opponents, with an aim of outwitting them one by one in a ring of combat, until you eventually meet the grand master in the closing chapters of the game.

Unlike most beat 'em ups, however, there is more of a reason to beat each opponent than merely reaching the next level of the game. Gametek are including what they call the Belt System, which allows you to progress the abilities of the character you are controlling. The way it works is quite simple. When you start on the first level, your on-screen persona is quite limited in the number of moves he or she can actually perform; basic punches and kicks essentially. As you work them through the levels of the game, they pick up moves and new techniques, improving their chances of success considerably while giving the player the chance to master the controls of their chosen hero, without all that hassle of learning how to spin the joystick like a windmill at precisely the right speed just to perform a simple fireball. Naturally the computer opponents will progress at the same speed, so the combat doesn't actually get any easier, just more intricate and involved.

Harmless fun

Gametek are adamant that this game will be suitable for all ages – something that parents and other moral bodies have been

▲ Oooh what a graceful smack to the gob!

▲ Why they're a freaky looking lot

Quality Version Available on AMIGALAND.COM

Stars of the show

There are no less than ten different characters to select, all of which carry different philosophies and very different styles of fighting. What's more, each of the characters has been designed to suit different types of player! Here's a little rundown of the kind of person you have to be to fight with these guys:

KUNG FU BUNNY

Style: Relaxed Paw
The sort of person who chooses Kung Fu Bunny is kind and considerate. Nothing will give them greater pleasure than seeing how they have helped another succeed. However, they will have problems when it comes to making decisions and sticking to them.

TAI CHEETAH

Style: Tai Chi Chuen
Devotion seems to be the name of the game if you want the hand of the Cheetah. Clinical is another. Rock solid with your friends, yet cold and impassive towards the enemy, you are modest, happy to hold your ground rather than rush towards goals and 'success'.

KENDO COYOTE

Style: Kenjutsu
To take control of Kendo, you need to be an out and out winner – the sort of person who won't let anything stand in their way. All setbacks get brushed aside as you race ever forward, over confident at times and reckless amongst other things.

RHEI RAT

Style: Thai Boxing
Rats are generally affectionate creatures, but Rhei Rat is something totally different. You have no tolerance for the people you class as fools. You have trouble making friends, as they always seem to embarrass you with their ignorance.

▲ Get your hands off my hunter

▲ A bit of lightning always manages to shock.

Hi Quality Version Available on AMIGALAND.COM

worried about since the dawn of computers. By using professional cartoon animators to actually create the graphics for all of the characters, the game has taken on a decidedly unrealistic look, leaving behind the blood and gore of *Mortal Kombat 2* and replacing it with Tom and Jerry cartoon action, where the player's body seems to stretch and bend against all laws of physics and biology, giving a look and feel that is every bit as effective as *Streetfighter 2*, but far more humourous and therefore pretty harmless.

One of the neat touches is the instant replay feature. If you are ever lucky enough to see Nintendo Magazine's Gary Harrod play *Streetfighter 2*, you'll discover that a beat' em up, when played properly, is a lot more than just hammering the fire button and hoping to club the enemy. When well choreographed, and played between evenly matched players, it can be an exciting thing to watch, and the instant replay facility 'captures' the entire match. This allows you to watch the whole thing from the start, frame by frame if you wish, as a means to gloat at your opponent after you've given them a right royal hammering.

Party!

This sort of game is best played with a group of friends, and so the game includes a full eight player tournament facility, where you and up to seven of your friends can play at once, as part of a league.

But what happens when you can't get that many people together in one room, you may ask. After all, it's all very well having this option in there, but what if you have just moved to the Outer Hebrides, or somewhere equally as remote like Shepherd's Bush, and you can't get anywhere near your friends? This is where support for the F2 Magic AT&T modem device comes in handy. This little phone connection for your machine allows players from anywhere to link into your game and join in, rather like a modem link.

The game is nearing completion as you read this, and will be available in the shops from June on Amiga and Amiga A1200, priced at £29.99.

We should have a full review next issue, so until then, watch this space. ■

Tony Dillon

▲ Nice one – right in the gut.

▲ You have happy crazy legs okay

▲ Looks like someone's doing a bit of TM.

NOW IN 19 BRANCHES OF DEBENHAMS
SEE BOTTOM PANEL FOR DETAILS

AMIGA CD32 CRITICAL ZONE

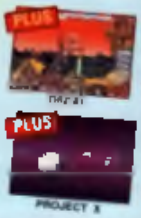
32-BIT SYSTEM PLUS! 7 CD TITLES

- 32-BIT POWER
- BUILT-IN DUAL SPEED CD-ROM DRIVE
- 16.8 MILLION COLOURS
- ALSO PLAYS AUDIO CDs
- 11 BUTTON CONTROLLER
- TITLES AVAILABLE FROM £14.99
- OPTIONAL SX1 COMPUTER MODULE SEE BELOW LEFT
- OPTIONAL FULL SCREEN VIDEO CD MODULE SEE BELOW LEFT

SAVE £50 OFF RRP
SILICA PRICE NOW ONLY INC VAT

PACK INCLUDES:

CD32 CONSOLE	was £249.99
CANNON FODDER	£29.99
DIGGERS	was £29.99
LIBERATION	was £34.99
MICROCOSM	was £44.99
OSCAR	was £29.99
PROJECT X	was £12.99
ULTIMATE BODY BLOWS	was £29.99
TOTAL RRP VALUE:	£462.92



£199
INC VAT - CCD 3450
NORMAL RRP £249
FREE DELIVERY IN UK MAINLAND

MORE THAN JUST A GAMES CONSOLE . . .

COMPUTER UPGRADE
Turn the CD32 into a fully functional Amiga with compatible computer
£199 £39 £59

14" STEREO COLOUR MONITOR

Sharpen your output with this high quality 14" RGB & Composite, Stereo Monitor
RRP £293.74 £219 INC VAT
MON 8833 - Requires cable CAB 5204 - £9.99

CONNECT TO AN AMIGA COMPUTER
£79

9-WAY SERIAL COMMUNICATIONS
£29

JOYSTICK CONTROLLER
£14.99

WATCH MOVIES
With the addition of a simple plug-in cartridge the CD32 can be turned into a fully featured Video CD player. Allows you to play blockbusting movies (full screen) with digital quality picture and sound.
£199 INC VAT
EXPECTED DURING 1995 - CCA 8520

A COMPLETE RANGE OF SOFTWARE

JUST SOME OF THE 100+ TITLES AVAILABLE ON CD FOR THE AMIGA CD32

LATEST TITLES

EXILE	£29.99
FRONTIER	£29.99
KINGPIN	£14.99
LOST EDEN	£29.99
PINBALL ILLUSIONS	£29.99
SKIDMARKS 2	£29.99
SOCCER KID	£14.99
SPEEDBALL 2	£14.99
SUBWARS 2050	£29.99
THEME PARK	£34.99
WORLD CUP GOLF	£29.99

THE SILICA SERVICE

Before you decide WHEN to buy we suggest you consider WHERE to buy. Your investment with a purchase from Silica will be backed by our unrivalled after sales service. With our mail order, in-person and on-line operations you may never visit us, but if you do, you will find our showroom displays the widest range of Amiga products available in the UK. Our technical support helpline is manned by experts who can offer impartial advice and after sales support. Complete the coupon below and see for yourself why Silica is the first choice for Amiga CD32 users.

- ESTABLISHED 17 YEARS: We have a proven track record in professional computer sales.
- PART OF A £60M A YEAR COMPANY: With over 300 staff - We are solid and reliable.
- EXPERIENCED STAFF: All fully trained in Commodore CDs.
- TECHNICAL SUPPORT HELPLINE: Staff are always here when you need them.
- A FULL PRODUCT RANGE: All of your requirements supplied from one source.
- COMPETITIVE PRICES: We will normally price match any like for like competitor's offer. Prices include VAT.
- FREE CD32 DEMO CD: Worth £5.99 with your first purchase.
- PAYMENT: We accept most major credit cards with no charge or extra cost.
- MAIL ORDER: 0181 309 1111 Fax: 0181 308 0608 Free Mailing List.
- SHOWROOMS: Demonstration and full range of stock.
- OPEN: Mon-Sat 9.30am-6.00pm Late Night: Thursday 8pm.

SILICA

DEBENHAMS STORES NATIONWIDE

MAIL ORDER 0181-309 1111
PLUS TECHNICAL AND HEAD OFFICE
Silica, Sidcup House, The Mews, Road, Sidcup, Kent, DA14 4DX
PLUS BRANCHES AT:

BRISTOL	Debenhams	0117 929 1021
CARDIFF	Debenhams	01222 341576
CHELMSFORD	Debenhams	01245 355511
CROYDON	Debenhams	0181 688 4455
GLASGOW	Debenhams	0141 221 0088
GUILDFORD	Debenhams	01483 301300
HARROW	Debenhams	0181 427 4380
HULL	Debenhams	01482 325151
IPSWICH	Debenhams	01473 221313
LONDON	Oxford Street	0171 580 4000
LONDON	Oxford Street	0171 580 3000
LUTON	Debenhams	01582 21201
MANCHESTER	Debenhams	0161 832 8037
PLYMOUTH	Debenhams	01752 266666
ROMFORD	Debenhams	01708 766066
SHEFFIELD	Debenhams	0114 276 8611
SHEFFIELD	Debenhams	0114 201 8111
SIDCUP	Silica	0181 302 8811
SOUTHAMPTON	Debenhams	01703 223888
SOUTHEND	Debenhams	01702 462436
THURROCK	Debenhams	01708 863643

COMPUTER SHOPPER 1994 Awards WINNER Best Software Delivery Service
COMPUTER SHOPPER 1994 Awards NOMINATION Best After Sales Service

To: Silica, CMUSR-0595-215, Silica House, Hatherley Rd, Sidcup, Kent, DA14 4DX
PLEASE SEND INFORMATION ON AMIGA CD32
Mr/Mrs/Ms: Initials:
Surname:
Company (if applicable):
Address:
Post code:
Tel (Home):
Tel (Work):
What computer(s) if any do you own?
2315

Hi Quality Version Available on AMIGALAND.COM

THE EPIC SENSATION

☐ CHESS & TUTOR

A complete chess program with intergrated tutorial. Order code JTS-2

☐ DISK EXPANDER

Denotes the available space on your floor drive. Order code [illegible]

☐ WB3 BACKDROPS

A great selection of superb Girly pictures to place in the background of your Workbench. Give it that personal touch. Order code WOB5-2

☐ COPY THAT FLOPPY

A set of the most powerful disk copying tools available on the Amiga. Order code CPY5-2

☐ LUCKY DIP CDROM

A mixed bag of Modules, tools, Objects, SFX, GFX tools, Demos, Games and loads more. A bargain at just £5 +£1P&P. Order CDLDR49

☐ BANSHEE ☐ CD32 VERSION ☐ A1200 VERSION

State of the art 4 disk vertical scrolling shoot 'em up with superb sound & graphics, and unbeatable playability. Rated over 90% in most magazines. *Only available when purchased with at least two other titles. Order code BAN5-1

☐ CENTREFOLD SQUARES

A great game for adults. Order code CFS5-1

only £5 each

☐ IMAGINE HINTS & TIPS

Imagine Hints, Tips and Tutorials is the gamer compiled for Imagine users. Includes a 40 page book plus a free compatible disk. Order code HT14-1

FREE BOX OF TEN TDK DISKS
WITH EVERY PURCHASE OVER £25.00

Hi Quality Version Available on AMIGALAND.COM

☐ AMIGA POWER TOOLS

[illegible] Order code [illegible]

☐ Play classic spectrum games on your Amiga. This pack includes over 50 All time classic Spectrum games. Order code SPE5-3

☐ LOTTERY WINNER PRO.

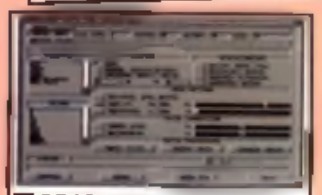
Lottery Winner Professional attempts to predict the National Lottery draw with as little as just a few months data. Every week you input the winning numbers and lottery winner will predict the following weeks numbers. (OFFICIAL FULL LICENCED VERSION) Order [illegible]

☐ ARCADE CLASSICS 2

8 All time classic arcade games. Pacman, Frogger, Asteroids, Space Invaders, Centipede, Missile Command, Q-Bert & Demon Race. Code ARC5-2

☐ MAGIC EYE CONSTRUCTION

Create your own Mastering Magic eye images on your own computer supplied complete with viewer and examples. Great fun for all the family. Order code RDS5-2

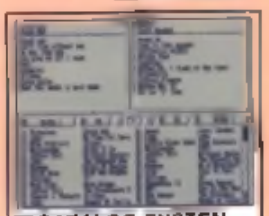


☐ GRAPHICS CONVERTERS

The complete graphics manipulation package for Workbench 1 & 3 machines. Order code CFC5-3

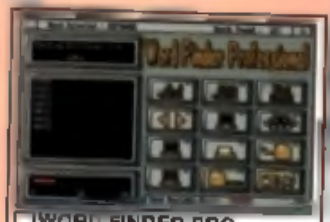
☐ HARD DISK TOOLS

An essential purchase for Hard drive [illegible] system and more. Order code HDT5-2



☐ CATALOG SYSTEM

The complete managing system for Disks, games, CD's, videos etc. Code CTG5-1



☐ WORD FINDER PRO.

This is the most powerful [illegible] Order code WFP5-2

☐ STARTREK [illegible]

[illegible] Order code [illegible]

Victoria Centre,
138 Victoria Rd,
Swindon, Wilts.
SN1 3BU. UK

Main Order Hotline
01793 490988

Order Hotline
01793 514188

PRIORITY ORDER FORM

Name _____

Address _____

_____

_____

Amiga Model _____

Payment Method _____

Credit card number _____

Exp date _____

ALL TITLES ARE COMPATIBLE WITH ALL AMIGA'S UNLESS STATED

ORDER VALUE		
Please send me		£
Total goods value		£
Postage & Packing		£
Amount enclosed		£

OVERSEAS ORDERS

[illegible] please add £1.00 per item

COLLECTING YOUR ORDER

[illegible] 5.30pm Monday - Saturday

ORDERING BY POST

[illegible] Postal Order

ORDERING OVER THE PHONE

[illegible] Monday - Saturday with your Credit card details and the items you would like to order

POSTAGE & PACKING

UK & Mainland add £1.00 per title. Overseas. Please add £1.00 per title.

LICENCED SOFTWARE

[illegible]

CONDITIONS OF SALE

[illegible]

TECHNICAL SUPPORT

[illegible] ware titles.

SATISFACTION GUARANTEED

We now have a powerful new order processing system which ensures that over 90% of orders are processed [illegible] in 48hours. And with over 80,000 satisfied customers [illegible] can be sure of a good service and fast delivery.

PRODUCT KNOWLEDGE

8 full time Knowledgable staff to assist you.

Fears

Due for release: Summer/autumn Publisher: TBA

It's *Doom* – almost! Yes, you've heard that before, but this time we really have found a top notch *Doom* clone, and it looks brilliant! *Fears* is proof that the Amiga still has some of the most talented coders and developers in the world. Bomb Software have been beavering away on this for some time, determined to prove the doubters wrong, and it looks like they've succeeded.

The French team's 3D shoot 'em up is the most technically advanced of any we've yet seen. On a standard 2Mb A1200, the screen generally updates somewhere between five and 10 frames per second, which may not sound very fast, but is sufficient to be playable, and very impressive for a full screen display. Add an accelerator and some extra RAM, and rates of 50 frames per second are common when things aren't too busy. The developers are confident of doubling the speed in time for the game's release.

All of this technical wizardry would be useless if the game was no good, but there seem to be no problems on that score either. Fully animated scary monsters lurk around every corner, waiting to be splattered across the walls with your wide ranging artillery. Details such as authentic walking effects and ominous background noises are being included to keep the tension running high.

Fears is very close to completion at the time of writing, but so far no definite publishing and distribution deal has been finalised. We'll keep you posted, with a full review to follow shortly. Until then, just watch your back ... ■

TH

Hi Quality Version Available on AMIGALAND.COM

Player Manager 2

Due For Release: April 1995 Publisher: Anco ✆ 01322 292513

The news that Anco software are producing a new version of *Player Manager*, six whole years after the original was first released doesn't come as a surprise. The original was a major success because it was the most advanced and professional management game of its time, but the opposition has caught up and got ahead of it recently. The new version is designed for up to four human managers (in normal management mode, there's also a Fantasy Football-style dream team mode in which eight can play) and features the usual management tasks of dealing in players, satisfying the board, transfers, ground staff management and coaching.

To bring everything up to date however the graphics have been completely overhauled and new features include an in-depth play designer and Alan Hansen giving you the benefit of his vast knowledge before and after matches. There is live on-pitch action and a play designer that allows you to create your own set piece strategy for taking corners and throw ins. In common with Audiogenics *Super League Manager*, reviewed last month and Impressions *Ultimate Soccer Manager*, *PM2* will feature 'realistic' newspaper coverage and commentary on your skills as a manager and abuse and ridicule from your computer opponents.

There are four modes of play in *PM2*: the Personal Challenge, which involves playing to a set target; a Knock Out competition where you are up against the other managers in a promotion/relegation battle; the dream team 'Kick Off' mode mentioned above, using real footballers to see if you can select the best team against up to eight other players and the ubiquitous, never ending management sim where you keep on going until you are a complete expert and buy another game. You can also take to the field as a real 'player manager' and control your man on the field – however he's not exactly at his peak of skills and fitness, so things may not go according to plan.

There are loads of modern management sims around at the moment, but *PM2* is looking good. We'll have a review soon. ■

AD

Final Over

Due For Release: May 1995 Publisher: Team 17 ✆ 01924 267776

I have never, ever understood cricket. Yes, it's a good, establishment approved sport for gentlemen, played on village greens, in The Oval, in parks and stadiums all over the Commonwealth. And yes, I have sat watching it for whole afternoons – but I still haven't got to the bottom of how it is scored, why it is played and why the hell everyone isn't asleep after the first two hours. But it's popular all right, despite the efforts of dimwits who think the game will be made more exciting (and more profitable) by dressing the players up in various coloured shell suits.

Team 17's Alan Bunker reckons that Final Over might be very useful to me though. The players are all dressed conventionally, all the national and international league teams are in there, a variety of match lengths are available from 1 to 5 day and limited overs and, above all, he reckons, it's a dream to play and easy to understand. They've gone for *'Sensible'* style presentation with small sprites and a multi directional scrolling playing field, one or two player mode and arcade style play, as opposed to the more traditional management and stats adopted by most other cricket sims.

The game certainly looks interesting because, unlike most other cricket games I've come across, it doesn't seem to take itself too seriously. The sprite size and character make the game more accessible and interesting and the umpires are reputed to make dodgy decisions, which is likely to drive you up the wall, but is pretty close to real life.

The best news though is that Team 17 are releasing it at £12.99 on disk and £14.99 on CD, as part of their Arcade Sports series of simulations, of which the best so far has been *Arcade Pool* and the latest *KingPin*. If this quality to price ratio is kept up, then Final Over should be worth a look.

One final word though on the subject of Team 17 press releases (of which we collected many at the ECTS). Their new marketing slogan is: Team 17, 100% Gameplay 0% Bullshit. Now read this, about Final Over: "it's another fine addition to the *Arcade Sports* series that has already thrilled Amiga games-players to unthinkable realms of games-playing heaven." Time to get the medics out. Something smells. ■

MD

Hi Quality Version Available on AMIGALAND.COM

Virocop

Due For Release: May 1995
Publisher: Warner Interactive Entertainment ✆ 0171 391 4300

To be a famous novelist or poet you have to have a vivid imagination and a strong eye for continuity, rhythm, detail and atmosphere. To be a successful scrolling shoot 'em up storyline writer you have to have a mad streak too. Bonkers. Stark raving, sit in the park talking to the squirrels loony. Now I haven't met Ian Wallington, John Kershaw or Steve Turner, the chaps over in GrafiGold who originated and designed *Virocop*, and I have no doubt that they are rich, well educated and successful, but the idea behind this game demonstrates that there must be lunacy hidden somewhere within them.

Virocop is set in a 'virtual holiday theme park' called GameDisk, where fun is the order of the day until a nasty strain of octopus-like viruses invaded the park and caused mayhem. Enter DAVE, or the Digital Armoured Virus Exterminator, a little robot on wheels who, armed with over twenty different weapons, is capable of destroying all the viruses and returning the GameDisk to relative peace, or something.

For one or two players, *Virocop* is good fun but difficult. On the first level, known as the Sport zone, the viruses have whipped various sporting objects into a frenzy and DAVE has to contend with fast bowling footballs and snooker balls as well as virus spawn. Because he is mounted on wheels DAVE is limited to climbing up ramps and sometimes can only go in one direction because of this. Various weapons and power ups appear out of the floor and whenever you knock off a baddie.

There are four zones, each one with its own individual baddies: the Sports zone; the Platform zone (guess what is likely to happen here), Military zone and a shoot 'em up zone. There is a fifth, bonus zone, planned for the A1200.

So far *Virocop* looks maniacally playable and good fun. The demo we tested was fast and furious and the detail and quality of the graphics was well up to scratch. A vertically and horizontally scrolling shoot 'em up, the gameplay is a little like a *Pacman* for the nineties, though you're not limited to specific corridors and DAVE doesn't eat things. He does have to chase objects though, regularly gets chased himself and the levels are very busy with all sorts of enemies and pick-ups. Hopefully *Virocop* should be reviewable in the next month or so, and we're looking forward to it around here ■

MD

QUALITY AMIGA PRODUCTS

24-BIT GRAPHICS
FOR A1500/2000/3000/4000

2nd PICASSO II

NEW!

- Software included: Setup/Installation TV Paint Junior MainActor Pro v1.54

£299
INC VAT - VID 2000
FREE DELIVERY

PRO 3D DESIGN
FOR ALL AMIGAS

PIXEL 3D PRO v2.0

NEW!

SAVE £20

- Object creation, editing & handling
- Supports AGA
- Object format conversion - all popular formats
- Complete bitmap and postscript font support
- Colour view modes
- Adapts to larger screen sizes

RRP £149
£129
INC VAT - ASP 4000
FREE DELIVERY

ULTIMATE 3D GRAPHICS & ANIMATION
FOR ALL AMIGAS WITH 8Mb RAM

LIGHTWAVE 3D - PAL VERSION 3.5

SAVE £50

- 24-bit graphics
- Resolutions up to 16,000 x 16,000
- Fast previews after rendering in 16.8 million colours
- Texture mapping
- Procedural texturing
- Full ray tracing
- Depth of Field
- Motion blur
- Field rendering
- Customisable user interface
- Interactive workframe editing with real-time feedback

RRP £499
£449
INC VAT - ASP 4000
FREE DELIVERY

LIGHTWAVE 3D VIDEO TUTORIALS

- VOL 6000 - LIGHTING & CAMERA TECHNIQUES
- VOL 6010 - MAPPING, MORPHING & BONES
- VOL 6020 - SURFACES & TEXTURES
- VOL 6030 - MODELER PART 1
- VOL 6040 - MODELER PART 2

FREE DELIVERY

SAVE £34

£44.95
INC VAT EACH - WHILE STOCKS LAST
SPECIAL PACK ALL 5 VIDEOS
£189.95
INC VAT - VID 6000
FREE DELIVERY

SUPER ANIMATION
FOR ALL AMIGAS

ANIMATION WORKBENCH 4.0

NEW!

SAVE £10

- Supports AGA modes, ANIM5/7/8 formats

RRP £79
£69
INC VAT - ASP 4000
FREE DELIVERY

IMAGE MANIPULATION
FOR A1200/A4000

PHOTOGENICS

NEW!

SAVE £5

- Manipulate & paint graphics in 24-bit
- Supports popular image formats inc JPEG, GIF, IFF & PhotoCD
- Multiple image editing
- Real time HAM8 display
- Open design allows you to add your own effects

RRP £64
£49
INC VAT - ASP 4000
FREE DELIVERY

IMAGE PROCESSING
FOR ALL AMIGAS

IMAGE FX v2.0

NEW!

SAVE £50

- 24-bit image processing
- Various Real-time painting tools
- Image thumbnails
- Enhanced text handling
- Expanded image compositing
- AutoFX
- ImageFX browser
- Scaling and anti-aliasing

RRP £249
£199
INC VAT - ASP 4000
FREE DELIVERY

SOFTWARE OFFERS
LIMITED STOCKS

	RRP	SILICA
AMOS PROFESSIONAL	£34.99	£31
AMOS PRO COMPILER	£34.99	£31
BRILLIANCE V2.0	£89.99	£59
CANDO V2.5	£129.99	£99
DATASTORE	£69.99	£49
EASY AMOS	£34.99	£30
EDGE 1.7 - PRO	£49	£49
GB ROUTE PLUS	£49.99	£44
KINDWORDS 3	£29.99	£29
MAVIS BEACON II	£29.99	£14
MAXIPLAN 4	£29.99	£29
VISTA PRO 3.0	£29.99	£24
WORDWORTH 3 SE	£89.99	£59

Hi Quality Version Available on AMIGAAND.COM

PUBLISHING PROGRAM
FOR ALL AMIGAS

PAGESTREAM v3.0

SAVE £100

£199
INC VAT - ASP 1061
FREE DELIVERY

PAINT PACKAGE
FOR ALL AMIGAS

MAGIC WORKBENCH PAINT V2.0

- Unleash the power of your Amiga with this comprehensive graphics drawing package
- Full selection of drawing tools
- Colour mapping & 'N' shapes
- Comprehensive 180 page manual

SAVE £80

£9.95
INC VAT - KIT 4602

PRINTER CONTROLLER
FOR ALL AMIGAS

STUDIO PROFESSIONAL II

NEW!

- Print 24-bit graphics
- Workbench drivers for most printers
- Prints pictures from disk and many in memory
- Logical gamma correction
- The ONLY Professional Colour Management system on the Amiga
- Supports nearly all graphics formats

£49
INC VAT - ASS 4000
FREE DELIVERY

INCREASE THE SPEED OF YOUR AMIGA
FOR A1200

A1230-II ACCELERATOR & RAM BOARD

LIMITED STOCK

GVP

- 40MHz and 50MHz 68030 processor options
- Built-in memory management unit (MMU)
- Kickstart remapping technology (50MHz model)
- Memory disk management software
- Optional 68882 maths co-processor
- 32bit RAM capability

FPU OPTIONS
40MHz 68882 OR 50MHz 68882
£100

SAVE UP TO £130

FREE DELIVERY

	No RAM	4Mb RAM	8Mb RAM
40MHz 68030 NO MMU		£429 £299	£629 £499
50MHz 68030 WITH MMU		£499 £449	£699 £649

THE SILICA SERVICE

Before you decide WHERE to buy, we suggest you consider WHAT it buy from. Consider WHAT you want from your supplier, WHEN you want it and WHO you want to deal with. Then, make your decision based on the experience and expertise you require. We can provide all the extra help, advice and service you may need both now and in the future. Call one of our stores, or return this coupon and begin to experience the "Silica Service".

SILICA

- ESTABLISHED 17 YEARS: We have a proven track record in professional mail order sales.
- PART OF A £30M A YEAR COMPANY: With over 100 staff. We are solid and reliable.
- EXPERIENCED STAFF: All fully trained in Customer Care.
- TECHNICAL SUPPORT HELPLINE: Staff help and assist after your purchase.
- A FULL PRODUCT RANGE: All of your computing requirements from one supplier.
- WE PRICE MATCH: We will normally match competitors' like for like offers. Subject to stock and conditions.
- FREE CATALOGUES: Sent with no obligation.
- PAYMENT: We accept most major credit cards, cash, cheques or monthly terms (APR 29.8% variable).
- WE'RE BIG ENOUGH TO BE RELIABLE: But we're flexible enough to be responsive.
- MAIL ORDER: Over 100,000 customers on our mailing list. Over 90% UK business. Same day despatch whenever possible. All prices are inclusive of VAT. Next day delivery £5.00 (+VAT).
- A STORE NEAR YOU: Many Silica stores carry a selected range of our products. Why not visit one of the stores on the High Street.

MAIL ORDER 0181-309 1111
PLUS TECHNICAL AND HEAD OFFICE

PLUS BRANCHES AT:

BRISTOL	0117-924 1021
CARDIFF	01222 341576
CHELMSFORD	01245 355511
CROYDON	0181 688 4455
GLASGOW	0141-221 0088
GUILDFORD	01483 301300
HARROW	0181 427 4566
HULL	01482 223161
IPSWICH	01473 221313
LONDON	0171-580 4000
LONDON	0171 580 2000
LUTON	01582 21201
MANCHESTER	0161 832 6666
PLYMOUTH	01752 266666
ROMFORD	01708 766066
SHEFFIELD	0114 276 6611
SHEFFIELD	0114 256 0909
SIDCUP	0181 302 8811
SOUTHAMPTON	01703 223388
SOUTHEND	01702 462426
THURROCK	01708 860987

COMPUTER SHOPPER 1994 Awards WINNER Mail Software Delivery Service

COMPUTER SHOPPER 1994 Awards NOW NAT CH Best Mail Sales Service

PLEASE SEND ME AN AMIGA CATALOGUE

Mr/Mrs/Ms/Dr: Initials:

Surname:

Company (if relevant):

Address:

Postcode:

Tel (Home):

Tel (Work):

Which computer(s), if any, do you own?

29MC

Super Skidmarks 2

AMIGA SUPERSTAR

■ Price: £29.99 ■ Publisher: Acid Software ✆ 01302 890 000

Thankfully Acid Software's sequel to their best known title plays an awful lot better than it sounds!

Ever wanted to know how to build your own four player joystick adaptor? If so, the instruction manual to Acid Software's latest, *Super Skidmarks 2*, should point you in the right direction. Rather amazingly the manual includes detailed instructions on how to build such a device, complete with circuit diagram. Still, this is the sort of thing we've come to expect from New Zealand based Acid Software.

They first hit the scene at the tail end of 1993 with *Skidmarks*, amazingly written in *Blitz Basic*, it breathed new life into the overhead racing game genre, with its pseudo 3D viewport, responsive controls and ultra fast gameplay

Wipe out

Skidmarks is now regarded as something of a classic, and Super *Skidmarks 2* was originally designed as an upgrade to the original package with extra tracks as well as an editor for creating new layouts. However, a full sequel made more sense as the product had expanded so much in development, plus of course it would have to compete against the likes of Team 17's *All Terrain Racing* as well as Acid Software's own *Roadkill*. Unfortunately there's no track editor on offer in *Super Skidmarks 2*, but it is possible to render your own sprites with *Imagine*, and import them into the game. Although the sprites are very small and use only a few colours, you could still do some interesting things with this feature, such as racing with digitised faces of your mates instead of cars for instance. You can also use your own custom sound samples.

Of more use to me is the fact that you can incorporate and use the tracks from the first *Skidmarks*, which at least stops the original game from becoming redundant as it so often the case when you buy a sequel. There's not really any need to use the old tracks though, as 12 new ones have been included, all of which are superb. Some courses are fairly basic, straightforward affairs, but most are packed full of hazards like sharp dips and steep ramps. The cars from the original game have returned to race on these tracks and there's a whole host of new models including the Mini, VW, Formula 1 and a cow. That's right bovine fans, one of the championship courses is called California Cows, and requires the player to race a cow, complete with its own set of wheels, against other similarly equipped cattle! It might sound bizarre, but it's tremendous fun.

▲ Super Skidmarks 2 has some neat touches including the use of light sourcing on each car.

▲ Taking a corner too sharply results in plenty of skidmarks (ho ho!).

▲ As a game progresses the track grows to show the wear and tear caused by the skidding cows

Hi Quality Version Available on AMIGALAND.COM

Hunting high and low

If you have a standard A500 this probably won't be of much interest to you so don't read the rest of this until you've upgraded. Ah, you're back, that's better isn't it? As well as the standard low-res mode, AGA owners can also enjoy the delights of hi-res while playing *Super Skidmarks 2*. What's the difference? Well...

Lo-res: Offers a close up view which is best suited to the one player mode, that's lo-res in a nutshell, my friends.

Hi-res: More detail and more action on screen is coming to a monitor near you if you select hi-res. Things can become cluttered though.

and proved a surefire crowd puller around the office. The weirdness continues with the option to tow a caravan behind your car (or your cow)! Hook up a trailer, and you've got the added problem of inertia to deal with.

Car power

Each car has its own handling characteristics, so the Formula One is extremely fast, while the Mini has exceptional handling. In case you were wondering, the cows are in fact the fastest 'vehicle' featured in the game. Just goes to show the power of methane eh?

The different characteristics of the cars aren't too important however, as the difficulty level can be altered to suit everyone from beginners to experts. The other major new feature is the split screen multi player option that allows up to three people to race against each other using one Amiga.

Super Skidmarks 2 has plenty of benefits for AGA Amiga owners. These include music on the options screens, up to eight cars

▲ While the game is loading it's possible to indulge in a spot of Pong.

▲ Unlike the original Skidmarks, the sequel allows for a two or three player split screen game on just the one Amiga.

▲ There's an option to race while towing a caravan. This leads to plenty of inertia-heavy twists and turns.

▲ Follow the arrows to get around the track as fast as you can.

competing at once as opposed to four on other Amigas, and a hi-res mode which shows more of the screen at once but might prove too cluttered for some. But even on an A4000 there's still some noticeable slowdown in the two or three player mode. Don't get me wrong, it doesn't hamper the gameplay in any way and even makes some of the faster cars like the F1 easier to handle. That isn't the point though, and considering the obvious technical prowess of the Acid Software programmers I don't expect to see slowdown in one of their games.

That's just a minor niggle however, and overall *Super Skidmarks 2* is a much more polished and complete game than the original. The realistic racing element is still the key to the game's attraction but that wacky humour certainly helps too. Graphically everything is considerably more detailed than it was in *Skidmarks 1* and I particularly like the light sourcing on the cars. The sound has been smartened up too (not that I know what a cow with an internal Formula One engine sounds like!) and the ability to beep your opponents with a horn is a laugh (as in *Micro Machines 2*), if slightly pointless.

Too tough

Other than the slowdown, my main worry about the game is its steep difficulty curve. If you're expecting to breeze through the courses like you did in the original *Skidmarks*, forget it. *Super Skidmarks 2* is tougher than a rubbery old pork chop. The computer cars have obviously been to driving school, as their intelligence when it comes to keeping on the track is considerable, so expect to finish in last place on a regular basis for the first few games or so. This is probably a good thing. The original game's lack of difficulty gave it a kicking in the lastability stakes and only the multi player option saved things. But then how many of you were able to take advantage of the preferable modem link up option?

Exactly. With a comprehensive and challenging selection of one player games and a simply superb multi player option, this is a title that will find itself being booted up far more than the original ever was.

Super Skidmarks 2 is one of the best games I've ever played, certainly the best so far this year and definitely the best game yet from Acid Software. And for once us Amiga owners have got it all to ourselves. Hurrah! ■

Rik Skews

The car's the star

A choice of eight cars await your driving skills in *Super Skidmarks 2*, each of which features different handling characteristics.

The Cow: This isn't a car, it is a fully fledged heifer. Moves faster than Tony Horgan at a rave but is easier to control.

The F1: Super fast and super lacking in control, the formula car is definitely best left to the expert drivers out there.

The Mini: The Mini is Mr or Mrs average that doesn't excel at anything really. Average handling and average speed.

The Midget: The midget is hard to categorise but it's bouncy and a handful on some of the more obstacle-laden courses.

The Muscle: The muscle is one of those trucks with huge wheels and consequently has great control but is fairly slow.

The Porsche: Classy stuff indeed. Like the Mini, the Porsche is hard to categorise, but one thing's for sure – the girls love it!

The Truck: The truck is kinda like the Muscle but without those big wheels. Still features awesome handling though.

VW: Hurrah, it's everyone's favourite car, the trusty old Beetle. Nothing special but who cares. It's a Beetle. Hurrah again.

Hi Quality Version Available on AMIGALAND.COM

SUPER SKIDMARKS £29.99

workbench version	1.3+
number of disks	1
RAM	1Mb+
hard disk installable	yes

A600 A1200 A1500 A2000 A3000 A4000

graphics	87%
sound	84%
lastability	90%
playability	92%

OVERALL
Another Acid Software racing classic. **92%**

AMIGA PRODUCTS FROM WIZARD DEVELOPMENTS

SALES HOTLINE 01322-272908

1MB FLOPPY DRIVE

FOR ALL AMIGAS

- COMPATIBLE WITH ALL AMIGAS
- HIGH QUALITY SONY DRIVE
- ROBUST METAL CASE
- ANTI-CLICK AS STANDARD
- SWITCHABLE ANTI-VIRUS
- ENABLE/DISABLE SWITCH
- LOW POWER CONSUMPTION
- THRU PORT FOR EXTRA DRIVES
- 2 YEAR WARRANTY

MONEY BACK GUARANTEE · 2 YEAR WARRANTY · FREE UK DELIVERY

AMIGA 1MB DRIVE
CODE: W100
£49.99

A1200 8MB RAM BOARD

WITH CLOCK + OPTIONAL FPU

- WORKS WITH ALL AMIGA 1200s
- AVAILABLE WITH 0, 2, 4, 8MB OF 32-BIT RAM INSTALLED
- USES STANDARD 72-PIN SIMMS
- OPTIONAL PLCC TYPE FPU (FLOATING POINT UNIT)
- BATTERY BACKED CLOCK
- INSTALLS IN MINUTES
- FINGER CUT-OUT FOR EASY INSTALLATION
- 0-4MB IS PCMCIA COMPATIBLE (USE OVERDRIVE NO/CD AT THE SAME TIME)
- ZERO WAITE STATE DESIGN
- 2 YEAR WARRANTY

33MHz FPU £49.99 CODE W233
COMPATIBLE WITH THE WIZARD AND AMITEK HAWK BOARDS

2 YEAR WARRANTY

0MB	£59.99
2MB	£119.99
4MB	£179.99
8MB	£299.99

ALMOST DOUBLES THE SPEED OF YOUR AMIGA

NEW!

X-LINK TURBO MODEMS

FOR AMIGA

- 28.8K OR 14.4K BAUD V32, V32BIS, V32, V23, V21
- BABT APPROVED REQUIRED FOR USE ON A BT LINE
- MNP 2-5 AND V42, V42BIS
- SYNC & ASYNC OPERATION
- GROUP 1-3 FAX TO 14.4K
- FULLY HAYES COMPATIBLE
- MODE DESCRIPTIVE LEDs
- 2 YEAR WARRANTY

BABT APPROVED

- SUPPLIED WITH CABLE & S/W (N-COMM FOR AMIGA)
- GP FAX OPTION FOR JUST £36 SEND & RECEIVE FAXES DIRECTLY FROM YOUR AMIGA - NORMALLY £39.99

2 YEAR WARRANTY · FREE UK DELIVERY · MONEY BACK GUARANTEE

14.4k	£139.99
28.8k	£249.99

GP FAX - Amiga S/W Special price when bought with a modem £35

2 YEAR WARRANTY

MICE & MATS

FOR ALL AMIGAS

- ULTRA SMOOTH 400DPI RESOLUTION
- MICRO-SWITCHED BUTTONS
- AMIGA/ST SWITCHABLE
- IDEAL REPLACEMENT FOR YOUR NORMAL AMIGA 260DPI MOUSE

MONEY BACK GUARANTEE

FREE UK DELIVERY

400DPI MOUSE £9.99 CODE W150

OPTICAL MOUSE £19.99 CODE W151

HIGH QUALITY MOUSE MAT £2.99 CODE W152

- ULTRA SMOOTH QUALITY OPTICAL MECHANISM
- NO BALL TO CLEAN/REPLACE
- MICRO-SWITCHED BUTTONS
- GRID MOUSE MAT INCLUDED
- AMIGA/ST SWITCHABLE

Hi Quality Version Available on AMIGALAND.COM

A500/600 RAM BOARDS

- HIGH QUALITY - LOW PROFILE DESIGNS
- LOW CHIP COUNT TO IMPROVE RELIABILITY
- ALL BOARDS INSTALL IN MINUTES
- 2 YEAR WARRANTY

MONEY BACK GUARANTEE · FREE UK DELIVERY · 2 YEAR WARRANTY

	A500 512k	A500+ 1Mb	A600 1Mb
NO CLOCK	£19.99	£29.99	£29.99
WITH CLOCK	£24.99		£39.99

DIR. OPUS 5

SIMPLY THE BEST FILE MANAGEMENT SYSTEM AVAILABLE ON THE AMIGA VERSION 5 - DUE LATE DECEMBER - BREAKS NEW BARRIERS IN POWER FEATURES AND OPTIONS CALL FOR VERSION 4 TO 5 UPGRADE DETAILS.

£49.99

EASY LEDGER 2

FULLY INTERGRATED ACCOUNTS SYSTEM WITH GENERAL LEDGER DEBTORS LEDGER CREDITORS LEDGER STOCK CONTROL PRICE BOOK & JOB COSTINGS IDEAL TO RUN A SMALL BUSINESS WITH AN AMIGA.

AMIGA FORMAT GOLD - 94%

£199.99

GP FAX

ALLOWS YOU TO SEND AND RECEIVE FAXES USING YOUR MODEM, EVEN ALLOWS YOU TO PRINT FROM YOUR APPLICATION (FINAL WRITER WORDWORTH PAGESTREAM ETC.) DIRECTLY TO THE FAX DEVICE.

£39.99

HYPERCACHE 2

IF YOU HAVE GOT A HARD DISK YOU MUST GET THIS! IT ALLOWS YOU TO DEFINE SOME OF YOUR RAM AS A CACHE AND CAN INCREASE THE SPEED OF HARD DISK READING & WRITING BY UP TO 2200%. ALSO WORKS ON FLOPPIES & CD ROMS

£24.99

IMAGE FX 2

QUITE SIMPLY THE BEST GRAPHICS PROGRAM ON THE AMIGA WITH HUNDREDS OF NEW FEATURES INCLUDING LIGHTNING BOLT GENERATOR. VERSION 2 VERSION 1.5 AT A LOW LOW PRICE.

VERSION 1.5 £99.99

VERSION 2.0 £189.99

14 DAY MONEY BACK GUARANTEE If you're not 100% satisfied with your purchase, you can return the product within 28 days of receipt for a refund.

Please send me the following (please quote the codes shown in advert)

Product Code	Description	Price

Name _____

Address _____

Post Code _____ Phone No _____

CHEQUES SHOULD BE MADE PAYABLE TO WIZARD DEVELOPMENTS.

01322-272908

BETWEEN 9AM AND 4PM MONDAY TO FRIDAY. TO PAY BY ACCESS OR VISA TO PAY BY CHEQUE OR POSTAL ORDER PLEASE RETURN THE ORDER FORM TO - WIZARD DEVELOPMENTS, PO BOX 490, DARTFORD, KENT, DA1

WHY BUY FROM WIZARD ?

- LEADING EDGE PRODUCTS AT DOWN TO EARTH PRICES
- OUR BUYING POWER ENSURES AGGRESSIVE PRICES AND FAST DELIVERY
- WE PROVIDE PRODUCT LIFE TIME SUPPORT
- TRAINED STAFF TO PROVIDE THE HIGHEST LEVEL OF SALES AND TECHNICAL SUPPORT
- ALL PRICES INCLUDE UK CARRIAGE
- THE PRICES SHOWN ARE WHAT YOU PAY

Access · VISA

All prices include VAT and carriage within the UK mainland. All products are subject to availability. ERROR: Advertised prices and specification may change without notice. Please allow 21 days for delivery - subject to stock availability. Please allow 7 working days for cheque clearance.

Super Loops

■ Price: £29.99 ■ Publisher: Audiogenic ✆ 0181 424 2244

Trouble with the ol' waterworks? Well help yourself sort it out with this crazy pipe-fitting puzzle game.

▲ The monkeys get ready to do the cheers as a rather large loop is formed

Who needs a plumber's apprenticeship when you've got a game like *Super Loops*? Following similar lines to the classic Pipemania, in its simplest form *Super Loops* is a puzzle game which involves linking up bits of pipe to create as many complete loops as possible. You get all sorts of bizarre shaped piping thrown at you at random and you've got to quickly flip, move, and rotate it until you find somewhere where it can slot in. This is OK when you only have about two or three bits of piping on screen but later on in the game it's no joke when the grid starts to fill up and you're trying to squeeze big zig-zag pipe into a tiny gap. However, I found the best way around this was to lay piping down for huge loops and then try and fit smaller ones inside it, that way there is less chance of overlapping and messing up your plans to create that perfect loop.

▲ See what I mean about bizarre shapes?

▲ Time to lay some heavy duty pipes

▲ Only one loop and lots of other assorted mess. Looks like I'm on my way out

Too little time

It mightn't sound particularly exciting having to juggle bits of piping into interlinking shapes, and to be honest it wouldn't be if you didn't have to beat the clock to do it. Each level has a set time limit and as you progress through the levels, it gets shorter and shorter to the point of being totally impossible. To liven things up a bit there are various other options, such as two player challenge mode, bonus games and variations where you are shown the final shape first and then have to try to recreate it from memory.

You can use either a mouse or joystick to move and position the blocks. I tried playing *Super Loops* with a joystick at first and found it virtually impossible. Mouse control is much easier to use.

Sound and graphics

The graphics in *Super Loops* are OK. The first few levels are set in a tree and every time you form a loop, the monkeys living in said tree let out a big cheer. As you progress through the levels, the background graphics change and the monkeys are replaced with various creatures who scuttle across the screen every time you create those valuable loops. The music is a sort of techno-guitar type ditty, and although it's not earth shattering, it wouldn't deter you from playing the game.

▲ Yes...five perfectly formed loops coming up.

▲ Hardly any space left unless time's totally up

▲ Avoid putting anything on the grey blocks

Conclusion

Super Loops is not a ground-breaking idea for a game, but it's on par with many other puzzle games. If you like a good test of mental and manual dexterity, *Super Loops* will keep you busy for a while. ■

Lisa Collins

Super Loops £29.99

- workbench version V3
- number of disks 1
- RAM 1Mb
- hard disk installable ..... yes

A1200

graphics	85%
sound	75%
lastability	80%
playability	88%

OVERALL
One for die-hard puzzle fans.
83%

HiQuality Version Available on AMIGALAND.COM

INDI DIRECT & CALCULUS Stores

OPTIONS

*ALL INDI PRODUCTS ARE DELIVERED FREE OF CHARGE

Buying Mail Order is convenient and the prices are great. But sometimes it is important to actually see the product and take it away the same day. That's where our new Options scheme comes in. iNDi Mail Order or a visit to one of our Calculus Stores, the choice is yours. The same quality Service and with this Exclusive reader offer. Calculus will match any iNDi Mail Order price on the Spot. Add No Deposit Credit and Nothing to pay for 6 Months and we believe that this is the most exciting offer anywhere.

ORDER ANY INDI ADVERTISED PRODUCT OVER £100, USE IT FOR 6 MONTHS BEFORE YOU PAY A PENNY

Option 1
BUY TODAY FROM EITHER INDI OR CALCULUS. PAY BY CHEQUE OR CREDIT CARD

Option 2
BUY TODAY FROM EITHER INDI OR CALCULUS WITH NOTHING TO PAY FOR 6 MONTHS THEN CHOOSE TO PAY OVER 6 TO 36 MONTHS.

TO OBTAIN INDI PRICES YOU MUST SHOW A COPY OF THIS ADVERT

INSTANT CREDIT AVAILABLE FROM NEARLY 100 OFFICES NATIONWIDE

CREDIT CARDS

VISA

EXPRESS CHEQUE CLEARANCE

Simply write your cheque guarantee card number, name and address on the back of your cheque and we will normally be able to despatch your order the day that we receive your cheque. Cheques, received without a cheque guarantee card number, will normally clear within a maximum 7 working days.

CUSTOMER CARE

The substantial volume of sales calls comming into our office has resulted in delays in the crucial area of customer care. To ensure that all customer queries are handled speedily and efficiently a new customer care department has been established. Our new department will be happy to assist you on their new number.

Mon -Fri 10am-4pm **01543 419921**

01543 419999

9am - 6pm 14 Sunday Friday 9.30am - 1.10 Saturday

* APR 29.8% Subject to Status

WITH THE PRICE OF CD ROM'S GOING DOWN IN PRICE INDI AND CALCULUS CAN PASS THE BENEFIT DOWN TO YOU.

ZAPPO AMIGA 1200 CD ROM DRIVE

LIMITED EDITION PACK

We understand that some non standard Accelerator boards may cause problems when using the Zappo CD ROM. Please confirm compatibility at the time of order as Indi cannot accept responsibility for this problem

GREAT GAME

- **Brutal Football** "It is first rate ... you in stitches for months" 94%
- **Alien Breed** "A supreme challenge to new and old players ..." 90%
- **Qwak** "The most playable Amiga game ever" 92%
- **Project - X** "Incredible graphics, awesome speech ... classic" 92%
- **F17 Challenge** "Fast moving graphics, excellent gameplay ... game to be reckoned with" 84%

PLUS ... button, joypad worth £14.99

ZAPPO CD ROM DRIVE Limited Edition

£199.99 SPECIAL PRICE

Hi Quality Version Available on AMIGALAND.COM

FREE Zapsac or Zappo T Shirt ... when ordering

ZAPPO Smart Storplus

Plugs into the PCMCIA Slot of the Amiga 600 &1200 and is ready to go. Excellent build quality at an amazing price.
12 Months Warranty

130Mb---	£149.99
214Mb---	£189.99
270Mb---	£204.99
540Mb---	£259.99

DRIVES HAVE COME DOWN SO INDI PASS THE ADVANTAGE ONTO YOU

2.5" INTERNAL HARD DRIVE PRICES

The massive reduction in hard drive prices has forced us to reconsider our position and stock 2.5" drives

170 Mb	£159.99
260 Mb	£252.50
420 Mb	£269.99
540 Mb	£402.50

Complete with installation disk and lead

AMIGA 600 HARD DRIVE
30 Mb £49.99
Includes Trivial Persuits, Myst, Rome A.D. 92, Epic

MICROVITEC MONITORS

This superb monitor offers a high quality 0.28 dot pitch and low radiation total MPR-II compliance. Complete with external Stereo Speakers and includes all leads - this is the monitor that we have all been waiting for.

£279.99

SHARP MONITOR / TV

The superb Sharp 14" Monitor / TV provides a real alternative to a Commodore Monitor with full function remote control 39 channel electronic auto search tuning digital on screen display and TV watt Mpo audio output. All you need to know is the low low price. The Sharp Monitor / TV is the product for you complete with scart socket and connectivity cable and including 12 months Warranty.

£164.99

* A copy of this advert to be required to obtain our Mail Order Prices at Calculus Stores. Prices valid until 19th May 1995. Some Calculus Stores may not carry the full Indi Range. Please to avoid disappointment.
* Insured deliveries by securicor are delivered Free of Charge Monday to Friday. A surcharge of £10 is required on a Saturday (Uk Mainland). Prices are subject to change without prior notice.

MAIL ORDER SALES HOTLINE 0543 419999

All trademarks are acknowledged. E&OE APR 29 8%

INDI DIRECT & CALCULUS Stores

OPTIONS

*ALL INDI PRODUCTS ARE DELIVERED FREE OF CHARGE

INCLUDES WORDWORTH THE ULTIMATE WORD PROCESSING PACKAGE

NEW Panasonic KX-P2135

A 24 Pin Quiet colour printer, designed [illegible] those who need low cost high quality output, giving all your documents and presentations eye catching colour. The NEW KX-P2135 incorporates a 20 page built in sheetfeeder, a tear bar push tractor feed to facilitate easy loading together with a noise level of only 46.5dBa (47.5dBa in super quiet mode).

- Quiet Printing 46.5 dBa - 43.5 dBa SQ Mode
- Multiple font capabilities including 3 draft and 7 letter quality
- Tractor feed
- 2 paper paths
- 7 Colour printing
- 250 cps Draft Micron, 83 cps LQ
- 1 Year Warranty

FREEPHONE 0800 444220 for your FREE Amiga Driver Disk

£164.99

Please note all Panasonic Dot - Matrix printers are supplied with a tractor feed FREE of charge. Other Companies can charge approximately £60 extra for this feature.

NEC Printer

NEC PINWRITER P2Q

New to the Calculus Printer Range the NEC P2Q takes 24 pin dot matrix technology to its limit offering a real cost effective solution to the home or small office user * Flexible paper handling bottom fed continuous, multi part cut sheets and envelopes * 16K print buffer * 96 CPS in letter mode and a superfast 192 CPS in draft mode * 24 NLQ fonts * Parallel, Serial & IBM Proprinter emulation * Paper Parking * Manual Feed slot

£124.99

Canon PRINTERS

NEW Canon BJ-200ex

The NEW BJ-200ex has print speeds of over 3ppm, it incorporates and 8 bit smoothing function giving an effective resolution of upto 720 x 360 dpi. As the faster speeds of 204cps HQ and 248cps HS. The BJ-200ex still maintains the whisper quiet operation of 42 dBA, and of course the built - in 100 x A4 automatic sheetfeeder.

NEW **£233.83**

Canon BJC-4000

* Colour desktop bubble jet with Separate CMYK ink tanks * 360 DPI, 720 with black only * 248 cps HS, 173 CPS HQ (BC-20 opt) 496 CPS HS, 346HQ * Prints on media * Built in Sheetfeeder * Windows compatible * 8 standard typefaces * 1 year Canon Warranty

£351.33

Canon BJC-600

* Windows compatible * Fast print speeds for colour and black * Separate CMYK ink tanks * 8 resident typefaces, 20 cmd type fonts * Prints on various media * 1 Year Warranty

£413.60

ROMBO

MEGAMIX. Low cost, hi spec digital effects cartridge plugs into the printer port of the Amiga. Allows stereo sampling from almost any musical source. **PRICE £29.49**

TAKE TWO. An animation package - a must for computer artists and enthusiasts of all ages. As used in Rolf Harris Cartoon Club. **PRICE £37.49**

VIDI AMIGA 12. The ultimate low cost colour digitiser for the Amiga. "the best value full colour digitiser on the market" - Amiga Format **PRICE £72.49**

ROMBO VIDI AMIGA 12 (RT)

Based on the best selling Vidi Amiga 12. This all new version offers real time colour capture from any video source. Full AGA chipset support as standard for all A1200/A4000 **PRICE £132.49**

ROMBO VIDI AMIGA 24 (RT) Plus FREE Power Supply

For the more serious user, this 24 - bit version will again capture from any video source with true photo realistic images. A staggering 16.8 million colours can be utilised with incredible results. Full AGA chipset support. **PRICE £222.49**

SCOOP PURCHASE

Top Quality 100% Error Free

BULK DISKS

50 Disk Pack £15.49 Disk Labels 500 Pack £7.49

PRINTER ACCESSORIES

1) **Printer Dust Cover** Tailored dust cover for the Panasonic KX-2123 printer	INDI PRICE £11.49
2) **Paper Pack** - 500 sheets of quality A4 paper	INDI PRICE £12.49
3) **Continuous Paper** 2000 sheets 1 part listing paper	INDI PRICE £22.49
4) **Parallel Printer Cable** Used for connecting Amiga to Panasonic printers	INDI PRICE £11.49
5) **Panasonic Colour Ribbon** -Colour ribbon for KX-P2123	INDI PRICE £15.49
6) **Panasonic Black Ribbon** Black ribbon for KX-P2123	INDI PRICE £9.49

MBX 1230 XA 50 MHz 50 MHz 68030 & MMU

* Allows your A1200 to run 1.52 times faster than a A4000 / 030
* Easy trap door installation (No soldering required)* Fast RAM upgradable to 128 Mb (72 pin 32 bit) * On board battery backed clock
* Does not interfere with PCMCIA port

50mhz £204.99 **50mhz +50mhz FPU £234.99**

AMIGA REPLACEMENT FLOPPY DRIVES

Amiga 500 / 500+ Amiga 600 / 1200 £39.99

Commodore 601

Trapdoor upgrade for the Amiga 600, 512K £22.49

DO YOU OWN AN AMIGA A1500 / A2000 / A3000 Or A4000

2091 SCSI CONTROLLER CARD

* 6.6 Roms for use in the A4000 * Upto 2MB of 16 bit chips can be fitted * Any 3.5" SCSI Hard Drive can be fitted * Install software for SCSI Hard Drive. Any other standard SCSI device can be added * Tape streamer * SCSI Scanner * External Hard Drive

£69.99

256K DRAM memory **£4.49**

SX-1

CD32 EXPANSION MODULE

The Amazing SX-1 Module simply slots into the back of your Amiga CD32 and a whole world of expansion opens up for you. Add a keyboard, floppy drive or even for a superfast hard drive instantly your CD32 is no more console, it's a mean computer.

FREE FRED FISH

SX-1 EXPANSION MODULE

£199.99

EXPANSION OPTIONS

BLACK KEYBOARD £42.99

ZAPPO FLOPPY DRIVE £49.09

SX1 Compatible

SX-1 SUPER BUNDLE

* SX-1 Expansion Module
* Black Keyboard
* Zappo Floppy Drive

£264.99

CALCULUS STORES NATIONWIDE

SOUTH

AYLESBURY 29 Friars Square Centre TEL: 01296 436811

MAIDENHEAD 6 Nightingale Walk TEL: 01628 770568

HEMEL HEMPSTEAD Marlowes Centre TEL: 01442 250035

FARNBOROUGH 1 Princes Mead Shopping Centre TEL: 01252 377722

MIDLANDS

BURTON UPON-TRENT The Octagon Centre, New Street TEL: [illegible] 513505

COVENTRY 24 Cheylesmore Walk Shopping Centre TEL: 01203 520778

SUTTON COLDFIELD 80 The Parade TEL: 0121 3548055

TAMWORTH 34 Ankerside Shopping Centre TEL: 01827 67778

WALSALL 48 Park Mall Saddlers Centre TEL: 01922 21700

NORTH

ALTRINCHAM 55 George Street TEL: 0161 929 7477

DONCASTER 11 South Mall Frenchgate Centre TEL: 01302 349997

LEEDS 11 Bond Street Centre TEL: 0113 2454098

NORTHWICH 85 Witton Street TEL: 01606 47883

HULL 11 Princes Quay TEL: 01482 585100

OLDHAM The Spindles TEL: 0161 8220022

OUR CALCULUS STORE IN MAIDENHEAD

PRESTON St George's Centre TEL: 01772 259494

SHEFFIELD 87 The Moor Sheffield TEL: 0114 2721192

WARRINGTON 52 The Mall Golden Square TEL: 01925 574055

WIGAN 18a The Galleries Shopping Centre TEL: 01942 323111

Hi Quality Version Available @ AMIGALAND.COM

MAIL ORDER SALES HOTLINE 01543 419999

* Insured delivery by courier and delivery Free of Charge Monday to Friday. A surcharge of £10 is required on a Saturday (UK Mainland)

Championship Manager Italia '95

■ Price: £24.99 ■ Publisher: Domark ✆ 0181 780 2222

The Italian first division, Serie A, is widely regarded as the most concentrated collection of footballing talent the world has to offer. The stakes are high, and the rewards for winners are enormous. However, if you're the man in charge when your team's on the losing end of things, it can all go pear-shaped before you even get a chance to sob into your spaghetti. *Championship Manager Italia '95* puts you in charge of a team from Serie A or B, with the aim of getting them to the top of the league.

▲ And it's a mighty victory for Inter Milan.

Once you've endured the lengthy initialisation sequence, you can decide which team you want to manage. With 37 Serie A and B Teams to choose from, you're spoiled for choice. Next comes squad selection which takes time as it is near impossible to remember all the different requirements of each player, and you have to flick back and forth between several different pages of team info.

After picking your team and starting the season, you have a couple of weeks to make transfers. This is far more awkward that it needs to be. Instead of giving you a list of all available players and letting you take your pick, it demands you specify the exact abilities of the kind of player you're after. More often than not, there's no one who exactly fits the bill, so you get the reply "No players available". You then have to go through the whole procedure again, with different statistics.

The fun starts once you get to play some football. You don't get to see the action, but a screen keeps you informed of the score in text form. It's immensely satisfying and strangely addictive. The results update and transfer news goes on a bit, breaking up the flow.

▲ The Lazio squad complete with Gazza.

In between the delays and long-winded selection screens, Championship Manager Italia '95 is a very engrossing management sim. Anyone who doesn't mind nipping off to make a cuppa every ten minutes would do well to take a look.

■ SLW

79%

Hi Quality Version Available on AMIGALAND.COM

Premier Multi Edit System

■ Price: £14.99 ■ Publisher: Gremlin Interactive ✆ 0114 275 3423

Premier Multi Edit System is an editing package for use with *Premier Manager 3*. It allows the user to customise the eight major aspects of *Premier Manager 3*.

Each section is selected by clicking on one of the icons. The first icon allows the manager's statistics to be altered, from trivial things like his name and photo, to more important features like length of contract and which team he manages. Next up is the ability to edit player data. This is an area where self control needs to be exercised because it's possible to change every player's rating to 99%, which quickly makes for dull gameplay. I recommend trying it with at least one player though! The third icon is more of an extension of the second and allows players to be moved from team to team without the need for transfer negotiations. You want Stoichkov at Wycombe? You got it!

▲ Change a player's rating from 'fair' to 'brill'.

▲ Top up your cash with the edit club data option.

Option four allows club data to be altered, everything from keeping up with ever changing football strips, to lowering the safety rating of teams you don't like or increasing the cash reserves of struggling clubs like Gillingham, so they can afford the likes of Klinsmann and hit the big time. Or perhaps not. The next two options allow you to completely rebuild league tables and change the countries and stadiums at which cup final matches take place. So you could construct a league entirely from superteams or have the European Cup Final take place at a non league stadium!

Perhaps the best and the most amusing option is the one that allows you to change the terms used for player ratings, so instead of being 'good' they could be termed 'groovy'. You can change the names of injuries and how long they will keep a player out of action. In my version an upset stomach now affects a player for 23 weeks!

It's hard to rate the Premier Multi Edit System as it isn't a game in its own right. Assuming you can stop yourself from mucking about too much then you'll find it a very useful product, especially if you want to keep your favourite team as up to date as is possible.

■ Rik Skewe

86%

Flight of fantasy?

No... with a Blizzard or Cyberstorm Accelerator, your Amiga will fly!

If you've ever sat and waited for your Amiga to catch up, you'll know that an extra boost of power would be just the ticket.

But, the only problem is the cost... isn't it?

Well not any more. When you compare our cost per MIP with other boards you'll be surprised at just how little you'll have to pay to enhance the performance of your Amiga computer.

Then, the sky's the limit!

BLIZZARD 1220/4 4Mb TURBO

The multi award-winning 1220/4 offers by far the best price/performance ratio of any A1200 32 Bit RAM expansion on the market. Of course the 1220/4 also incorporates everything else that a good memory expansion should too, such as a Real Time Clock, further RAM expandability, optional FPU etc. as well as offering a Clock Speed Doubling Circuit which runs the 32 Bit FAST RAM at an amazing 28MHz. Not only does the 1220/4 give Amiga A1200 owners all this but the price has broken the sound barrier too!

- Integrated 28MHz 68EC020 32 Bit RAM Clock Speed Doubler for up to 300% overall performance increase
- Factory Installed/Tested 4Mb of 32 Bit FAST RAM
- Expandable to 8Mb with Add-4 Board
- Integrated Battery Backed Real Time Clock
- Easy Trapdoor Installation, retains CBM Warranty
- Can be disabled in s/n for full games compatibility

1220/4 Turbo	£229.95
4Mb 32-Bit Fast RAM 28MHz 68EC20 CPU	
Add-4 Board (extra 4Mb for 1220/4)	£169.95
4Mb 32-Bit Fast RAM add-on	
Motorola FPU	£Call
68882 PLCC 25/33MHz	

BLIZZARD 1230-III TURBO ACCELERATOR MEMORY

The NEW BLIZZARD 1230-III TURBO ACCELERATOR MEMORY BOARD is the highest performing 68030 accelerator for the A1200. With its rapid 40 MHz 68EC030 CPU, or faster still 50MHz 68030 with MMU, it offers up to 500% performance increase overall. The 1230-III has further expansion options with its integral Fast Expansion Bus for Add-on Modules such as the SCSI-2 Controller (due for release early '95). With its industry standard SIMM socket it provides up to 32Mb of auto-configuring 32-Bit FAST RAM.

- PGA FPU Socket up to 50MHz
- Instruction & Data Burst Modes
- Automatic Kickstart Re-Mapping (can be disabled if required)
- Battery Backed Self Recharging Real Time Clock
- Easy Trapdoor Installation

1230-III Turbo 0Mb, 40MHz 68EC030	£189.95
1230-III Turbo 0Mb, 50MHz 68030 & MMU	£229.95
SCSI II Module for 1230-III	£TBA
Motorola FPU 68882 PGA 25/30/50MHz	£Call
4Mb SIMM RAM Expansion 32-Bit, 72 pin	£129.95
LARGER SIMMS AVAILABLE	£Call

NEW... CYBERVISION64 GRAPHICS BOARD

For all Zorro-3 Amigas this 64-Bit high speed graphics engine/blitter has up to 1600 x 1200 pixels in 8-Bit colour or 1024 x 768 pixels in 24 Bit True Color, 2Mb of display memory (4Mb user upgradeable). Call and request our technical brochure. **Just £299.95**

FASTLANE Z3 SCSI CONTROLLER

Lightning FAST DMA SCSI-II interface for Amiga A4000 owners. Expandability up to 64Mb of 32-Bit Fast RAM. Doesn't require any 'Buster Chip' upgrades. Use with hard drives, CD Rom etc. **£299.95**

BLIZZARD 4030 ACCELERATOR

FULL 50MHz 68030 with MMU ACCELERATOR for Amiga 4000 030's. Replaces the A4000's CPU and offers an FPU option. Approx. 50% overall performance increase when fitted with 50MHz 68882 PGA FPU. **From £219.95**

NEW... CYBERSTORM 060 A4000 ACCELERATOR

Upgrade your A4000/030 or 040 with the new CYBERSTORM MODULAR ACCELERATOR, and you'll have **"The Worlds Fastest Amiga"**. With its new 50MHz **68060** CPU (due February '95), it provides up to 10 Times the performance of standard A4000/030s (82.2 MIPS, compared to 15.4 MIPS!). Optional SCSI-2 and Ethernet I/O Module. Call and request our 4 page technical brochure. **£PHONE**

The Blizzard Performance Advantage...

Just look below to see how well your Amiga really could fly

Standard A500/600/1500/2000	0.55
Standard A1200	1.33
A1200 with 1220/4	5.05
A1200 with 1230-III, 4Mb 40MHz	7.06
A1200 with 1230-III, 4Mb 50MHz	[illegible]
Standard A4000/030 — 2Mb CHIP/4Mb FAST	4.43

The above are MIPS comparative performance figures using SysInfo.

gordon harwood computers
the UK's favourite Amiga Dealer

POST, FAX or PHONE YOUR ORDER TODAY!
Tel: 01 773 836781
Fax: 01 773 831040

Mr/Mrs/Miss/Ms: Initial(s): Surname:

Address:

County (Country) Postcode:

Daytime Phone Evening Phone:

Items required: Card holder's signature:

Card No.:

Expiry Date: Issue No.(Switch Only): Department: CUA

Cheque/Bank Draft/Postal Order for £ ..... payable to Gordon Harwood Computers Limited.

(All prices are UK including VAT and postage. Overseas customers please call to confirm pricing before ordering.)

Gordon Harwood Computers Limited, New Street, Alfreton, Derbyshire DE55 7BP. Tel: 01 773 836781. Facsimile: 01 773 831040

Hi Quality Version Available on AMIGALAND.COM

HIGH QUALITY SOUND SAMPLES

EXTENDED RANGE OF IFF SAMPLES (Includes new RHYTHM LOOP disks)

Each disk is compiled from a valuable personal sampler and is compiled on the Amiga in twice the sample rate of PD sample disks. They are compatible with all PD and commercial trackers and sequencer programs, and are highly regarded by the Amiga Press. "There are a lot of sample libraries around but this one is absolutely brilliant" Amiga Computing 9/92 "The collection of drum strokes here is almost too diverse... the conventional instruments sampled are the best I've heard on the Amiga" CU Amiga 7/92 "Do you want some high quality and wide ranging sounds to use in your compositions? Well then this is the place to look" Rating 87% Amiga Format Gold 8/92 A, B or AI samples in brackets

001 JAZZ/CAR — Talking Drums, Marimba, Chorus etc (62)
002 MIAMI BEAT — Gilbert Bernier, Chords etc (...)
003 MIAMI PERC — Timbales, Bongos, Whipsaws (...)
004 ARABIC — Hit Box, Bernier, Rhythm Loops etc (30)
005 FAR EAST — Tibetan Bells, Gongs, Koto etc (...)
006 FLAMENCO — Castanettes, Chords, Rasgueado etc (34)
007 OCEANIA — Didgeridoo, Chords, Sitt Drums etc (...)
008 AMERICAS — Kazoo, Saxophone, Pan Pipes etc (...)
009 FX PERC — Power Toms, Snares & Bass, Scratching (84)
010 DRUM KIT — Bass & Snares, Hi-Hats, Cymbals & Toms (63)
011 ANALOG PERC — TR 808 (39 ?) Analogue etc (...)
012 LATIN PERC — Timbales, Congas, Cowbells etc (167)
013 GUITARS — Acoustic, Electric & Distorted etc (...)
014 BASS GUITARS — Slap, Picked, Fretless, Fx etc (44)
015 ANALOG BASS — Oberheim, Roland, Korg etc (75)
016 ELECTRIC BASS — Yamaha DX, Roland, Korg etc (79)
017 BRASS — Saxophone, Trumpet, Trombone etc (24)
018 SYNTH BRASS — Analog, Digital & L.A. etc (16)

019 PIANOS — Octave Spiffs, with strings, FX (18)
020 STRINGS — Cello, Orch. Hits, Sections etc (21)
021 SYNTH STRINGS — Analog & Digital (...)
022 CHOIRS — Mixed Choirs with Bells & Synth (...)
023 ORGANS — Church & Electric (17)
024 EPI'S — Epi's with Chorus & Various FX
025 ACOUSTIC FX — Acoustic Explosions, Gunshots etc (30)
026 FX PERC LOOPS — Hip hoppy rhythmic loops (...)
027 DRUM LOOPS 1 — Various styles - pop, breakbeat etc (...)
028 DRUM LOOPS 2 — More pop and hip hop/beat rhythms (...)
029 VOCALS 1 — Various vocal rhythms with effects (...)
030 VOCALS 2 — Mixed vocal rhythms with effects (...)
031 PERC RHYTHMS — Various rock rhythms with effects (...)
032 SOUNDFX — Pistol, Pop Pipes, Clarinets etc (...)
033 SOUNDFX 2 — Space Invaders, Bonus Sequences etc (...)
034 PIANOS 2 — Mixed Samples, Split FX (...)
035 STRINGS 2 — Sections, Cellos, Pizz Hits, Violin (23)

PRICES: 1-9 Disks £2.50 each, 10-19 Disks £2.00 each, 20 or more £1.75 each. The Complete Set £49.99 P&P: Add £1.00 (any size order). Cheques & P.O.s to: WALKABOUT MUSIC, Dept CU, TRENOWETH FARM, THE MOUNT, PAR, CORNWALL PL24 2TA. Tel: (01726) 814807

CU AMIGA MAGAZINE

- More Software!
- More Games Mail Order!
- More Public Domain!

Take this opportunity to make More profit from your advertising

Call: 0171 - 972 6700

SELECTAFONT

SEND NOW FOR YOUR FREE 44 PAGE INFO PACK

Over 4000 Fonts now in Stock!

PIC n MIX from over 4000 Fonts in ADOBE or COMPUGRAPHIC Format. Or select from 164 Disks (12 Fonts per Disk)

FASTEST MAIL ORDER COMPANY ON EARTH! (6 hr response)

Fonts from as little as 7pence!

BEEVOIS
CARPENTER
CHILLI
CHINESE
CSDJERSEY
DRIBBLING
HEADHUNT
INDIANA
KEYBOARD
MEDUSA
MiamiNite
OLDEWORD
OREGON WET
ORIENTAL
BLOCK!
CALLIGRAPHY
CRACKLING

POSTCRYPT
RANSOME
SHANGHAI
SHRAPNEL
STAR
STEEL
STENCIL
STRETCH
WEDGIE
WOBBLER
ZORRO
SWINGER
Tintoretto
OpenHouse
PEACE
POWERLINER
StarStruck
SALTER

SCALEABLE COLOUR/B&W CLIP-ART
We now have the Worlds largest collection of Scaleable Icon Jaggy! Amiga Clip-Art.
OVER 100 Disks!!!!
Prices start from a measly 1.00 a Disk

FONTBUSTER II — Choose from 4 Different Volumes

TECHNICAL Helpline for all Customers

CLIPBUSTER — 23 CLIPART DISKS £24.99 (ALL Disks have Image Catalogues)

INK-JET/BUBBLEJET SERVICES

Having been Ink-Jets for 4 Years, we feel we are in a unique position to offer a first class service to all of our customers. We only supply PREMIUM ink refills for all printers which we GUARANTEE will give a BETTER quality than from your original Cartridge. We also supply a comprehensive range of Ink-Jet/Bubblejet Consumables including: COLOUR KITS/REFILLS, CARTRIDGES/CLEANING KITS

Single Refills £6.99
Twin Refills £12.99
4 Pack Refills £24.99

available in Black/Cyan Magenta/Yellow/ Green/Red/Blue WATERPROOF BLACK

ABSOLUTELY FREE! Every Ink Jet Label Starter Pack for EVERY Premier Ink Customer!

For a FREE Comprehensive Printout of all Fonts and Details of our other Services PHONE 0702 202836 or FAX 0702 200000 or WRITE TO US! Please include Details of your System and any Software you will be using

24 HR SERVICE

No Min. Ink Jet Refill Prices Here!

ACCESS/VISA/MASTERCARD CREDIT CARD ORDERS TEL: 0702 206836

SELECTAFONT (DEPT CU), 44 THORPE ROAD, HAMBWELL, NR ROCHFORD, ESSEX SS5 4JT

Hi Quality Version Available on AMIGALAND.COM

FAST AMIGA REPAIRS

FAULTY TROUBLESOME COMPUTER ??

SEND OR DELIVER TO THE EXPERTS FOR FAST RELIABLE REPAIR OF YOUR BELOVED AMIGA 500

ONLY £44.00 INC,*

WE ALSO REPAIR TO COMPONENT LEVEL A600, 1200, 1500, 2000, 3000 + 4000 - FREE QUOTATION -

FREE GIFT WITH EVERY REPAIR PLEASE TICK BOX

- MOUSE MAT ☐
- MOUSE HOLDER ☐
- DISK CLEANING KIT ☐
- ADD £5 REPLACE MOUSE ☐
- ADD £5 JOYSTICK MEGA STYLE ☐

DRIVE OR KEYBOARD REPLACEMENT

BARGAIN HARD DRIVES FITTED 85-500mb

EXCHANGE SERVICE

MODULATORS
PSU
DRIVES
KEYBOARDS

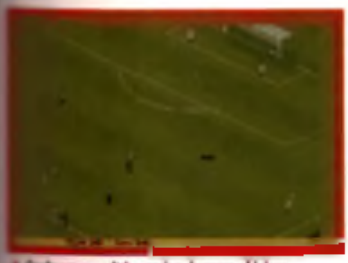
*COLLECTION AVAILABLE ANYWHERE IN THE UK

144 TANNER STREET TOWER BRIDGE, LONDON SE1 2HG - TEL: 071 252 3553

Manchester United -The double

■ Price: Unconfirmed ■ Publisher: Krisalis ✆ 0709 372 290

The quadruple more like. Krisalis bless the Amiga with its fourth Manchester United game.



▲ Fouls can result in varying degrees of injury. Seriously injured players [illegible] be substituted to avoid [illegible] injury becoming any worse, though you can leave [illegible] on to make them suffer. Extreme power is mine!

It seems software companies must be mad or supremely confident to release a [illegible] title these days. For one [illegible], it's such an overcrowded [illegible]. Then you've got try to live [illegible] to the standard set by the [illegible]gely popular *Sensible World of Soccer*, regarded by many (myself [illegible]cluded) as not only the greatest [illegible] title ever, but simply the [illegible] computer game ever. So [illegible] can *The Double* offer that *SWOS* can't?

Well, there's pedigree for [illegible]. The Manchester United [illegible] has been running for over [illegible] years now, with each succes[illegible] game receiving more praise [illegible] the last. *The Double* is built [illegible] an updated and enhanced [illegible] of Krisalis' last *Man U* [illegible], *Manchester United – Premier League Champions*. *The Double* features exactly the same control and gameplay as Premier League Champions, but the overhead perspective has been ditched in favour of an isometric viewpoint.

What's new?

The main addition to the game engine is a comprehensive editor, which works in a similar style to Gremlin's *Premier Multi League Edit System* for *Premier Manager 3* (as reviewed on page 56). Unlike Gremlin's editor, *The Double* concentrates purely on the editing of players. Everything from their names and skin colour to their various skill ratings can be altered, or if you want, players can be created from scratch. Leagues can be built up in the same way, while a nifty kit design option completes the editing package. Players can now be bought and sold too, courtesy of a transfer feature.

Gameplay remains exactly the same as it did in *Premier League Champions*, which is hardly a bad thing. The excellent Tacti Grid is back. If you're not familiar with the system, it allows precise control over the positioning of a team's players on the pitch, regardless of their overall formation. Use it well and it's a sure fire way of increasing your chances of winning. For such a powerful system it's a big sticky piece of chocolate cake to use (that's a good thing) and puts the tactics system in *Sensible World of Soccer* to shame. Other key features of the game include up-to-date squads and numbers, as well as bookings and suspensions. Some of the team selections are dodgy however. If you're a big footy fan like myself, you'll wonder what the likes of David Kerslake are doing in the Spurs defence when more regular first team players are sitting in the reserves. Also some transfer values can appear conservative, but these are alterable by tinkering with the player's skills. Anyway, player valuations are next to useless most of the time, whoever would have thought that Andy Cole would have been sold for £7 million for instance?

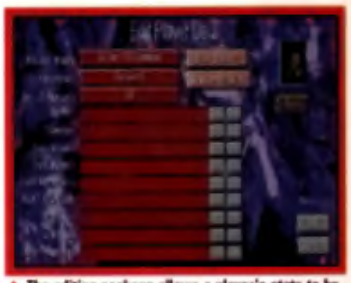
▲ Check out moments of glory via the action replay

Trying too hard

The original *Manchester United Premier League Champions* had its critics, but I preferred it to FIFA and rated it a close second to *Sensible Soccer*. The problem for *The Double* is that it has been released at a very unfortunate time with two competitors offering better products. In my opinion, as far as the arcade game is concerned, *The Double* is beaten in every department other than sound when compared to the seemingly unbeatable *Sensible World of Soccer*. I also think that Gremlin's *Premier Multi Edit* system mops things up as far as the editing options go.

Don't think that *The Double* a bad game, because it isn't. The control system, once mastered, is excellent and the presentation and graphics are much clearer than those in *SWOS*. The transfer option adds plenty of lastability to the game and stops the annoyance of seeing the likes of Andy Cole still at Newcastle months after he has left, a problem which plagues *SWOS* (you've got a thing about Andy Cole haven't you? – Ed). If like me you're nuts about football and footy games then The Double is an ideal second purchase. But if you're after a game which is the best in its market then I'd recommend *Sensible World of Soccer* for arcade fans and *Premier Multi Edit System* for football management lovers. Unfortunately, *The Double* suffers from that old problem of trying too hard to appeal to all gamers. It succeeds but there are other titles out there which, in my opinion, do a better job.

Rik Skews



▲ The editing package allows a player's stats to be lowered or boosted. You can even change the players' ethnic origins.

▲ The Double's perspective is akin to FIFA, rather than the overhead [illegible] featured in the earlier Premier League Champions.

▲ Krisalis reckon this game accurately recreates real life footy, but how can it when Teddy Sheringham has just managed to score a penalty?

Hi Quality Version Available on AMIGALAND.COM

MANCHESTER UNITED

workbench version	1.3+
number of disks	3
RAM	1Mb
hard disk installable	no

A600 A1200 A1500 A2000 A3000 A4000

graphics	81%
sound	73%
lastability	86%
playability	80%

OVERALL
Good, but as always SWOS is better.
82%

Theme Park

■ Price: £34.99 ■ Publisher: Mindscape ✆ 0444 246 333

Bullfrog's *Theme Park* finally makes it to the CD32, after scoring a hit on just about every other computer and console format.

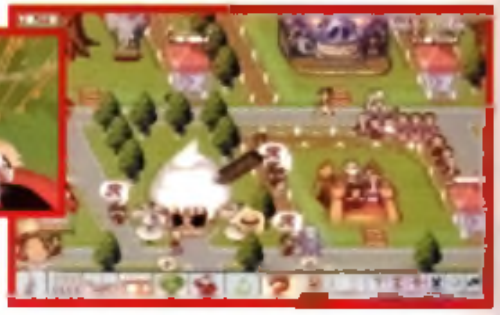
Despite the subject matter, *Theme Park* isn't a white-knuckle thrills extravaganza. Quite the opposite in fact. There's all the fun of the fair, but you don't get to go on any of the rides. Instead you play the manager of the park, with the job of building an entertainment centre to rival those of Walt Disney.

Before you start, it's advisable to read the 'New Business Portfolio' (why can't they just call it a manual?) as it's nigh on impossible to get into the game without any background knowledge. The instructions are bigger, longer and chunkier than a box of Yorkie bars, but then big games call for big manuals.

The trippy 3D cartoon intro sequence gets things off to a good start. As the game loads, it checks to see whether you've got a joypad or a mouse connected, and adjusts itself accordingly. If you choose mouse control, you can't enter your name and details on the set-up screen, unless you have a keyboard attached. However, you can with a joypad. Strange but true.

There's a built-in beginner's guide to help you get started, although it's still a bit confusing to the first time player. Once you've passed the Olympian task that is the beginning, bought a few rides, deciphered how to open your park and started the game properly, things become more fun. Watching your little customers milling around with their balloons is quite entertaining and the sound effects and music are very pleasing. It's like *Sim City* with rollercoasters.

▲ When – all the fun of the fair I know it's a cliché but it's true.



▲ Build up your dream park from a tuft of grass to a spectacular carnival bonanza with all sorts of attractions and rides.

If you have been playing for a couple of hours and you want a rest, you would think it wise to save. In this version, you cannot save your actual park, only your details and the amount of money you have. This means that next time you come back to it, you have to start with an empty park, which detracts substantially from the game.

You can set the game to run at one of four speeds, which is handy if you want to get rich quick, but the top speed is a bit of a scunner as all the animations skip a few frames and end up looking like something from a weird Eastern European cartoon.

There's plenty of satisfaction to be gained from building your park and watching your customers enjoy themselves, but the lack of a proper save game feature spoils it all. Having to rebuild the park every time you play is demoralising, and will be enough to put many people off for good.

SLW

Control-panel
Move to corner
Select object
Drop and select object

70%

Hi Quality Version Available on AMIGA.COM

ATR CD32

■ Price: £25.99 ■ Publisher: Team 17 ✆ 01924 267776

Earning itself a respectable 85% last month in its standard Amiga incarnation, *ATR* is now available for the CD32. It's a direct port from the original floppy version, so even though there's nothing added, there's nothing taken out either.

What we've got is a scrolling top-down racing game, in the vein of *Roadkill* and *Micro Machines*. There's a choice of three futuristic cars: the 4x4 Jeep, the Ultra Buggy and the Formula Special, each of which handles slightly differently. Before you race you can do a bit of shopping, upgrading your car to suit your driving style. Nervous drivers could go for extra grippy tyres, while speed freaks can boost the engine power. Shock absorbers and power steering are also available for generally improved performances.

▲ Fancy a dip on the beach track?

The races themselves are fast and furious. Tearing round the cleverly designed tracks is thrilling. Sometimes they're so cleverly designed that you get completely lost and end up going round the track backwards due to a lack of clear directions. You really have to know the track before you race it. Also, some of the obstacles are so small and unobtrusive that they look like bits of the background, until you crash into them. It really gets the adrenaline going though and in the end, the sheer excitement and playability win through and you forget about the minor faults.

▲ Even more wackiness on the mountain track.

I would have thought they would add CD quality sound during the conversion, but no matter. It's thoroughly addictive and, like a good record, you'll keep coming back to play the best bits.

SLW

Exit
Brake
Accelerate

85%

CRAZY DISK PRICES!! GUARANTEED

GREY-TRONICS LTD

LOWEST PRICES | BEST SERVICE | RAPIC DELIVERY

SALES FREE CALL 0500 737 800

SALES HELPLINE 081 686 9973 / 081 781 1551

DISKS DISKS DISKS

100% CERTIFIED ERROR FREE

+ LOCKABLE BOXES

	Grade A+	Grade B
50 3.5" DS/DD	£15.99	£15.49 + 100 cap lockable box — Add £4.00
100 3.5" DS/DD	£24.99	£24.49 + 100 cap lockable box — Add £4.00
150 3.5" DS/DD	£38.99	£38.49 + 2 x 100 lockable box — Add £8.00
200 3.5" DS/DD	£48.99	£47.99 + 2 x 100 lockable box — Add £8.00
300 3.5" DS/DD	£73.99	£69.00 + 3 x 100 lockable box — Add £12.00
400 3.5" DS/DD	£98.99	£92.00 + 4 x 100 lockable box — Add £16.00
500 3.5" DS/DD	£123.99	£110.00 + 5 x 100 lockable box — Add £17.50
1000 3.5" DS/DD	£229.99	£205.00 + 10 x 100 lockable box — Add £30.00

FREE LABELS + FREE DELIVERY BY PARCEL FORCE

AMIGA CD32

NEW PACK

7 GAMES PACK - FREE DELIVERY

£194.99

SX1 Modular Expansion	£187.99
Keyboard for CD32	£36.99
Competition Pro Pad	£15.99
CD32 to Scart	£11.99
CD32 to Amiga 1200 inc. software	£34.99
Disk Drive for CD32	£48.99
CD32 Lens Cleaner	£5.99
CD32 Hi Fi Lead	£11.99

Add £2.00 p&p for accessories

3.5" DELUXE LOCKABLE BOXES

50 Capacity £4.05
100 Capacity £4.99
Add £2.00 P&P

3.5" STACKABLE BOXES

100 Cap drawer £9.99
80 Cap Banx Boxes £9.99
Add £2.00 P&P

AMIGA 1200 PACKS
AMIGA 600 PACKS

CALL FOR LOWEST PRICES

SMASH HITS

- STARTER PACK £[illegible] inc Free 10 [illegible] Mouse Mat
- Monthly [illegible] 50 cap storage box, Disk cleaner
- Games for A1200 USERS ONLY WHILE STOCKS LAST

SYNDICATE	£4.99	PINBALL FANTASIES	£6.99
CHAOS ENGINE	£5.99	NICK FALDO'S GOLF	£6.99

All above 4 games £17.99 — Add £0.50 P&P

ACCESSORIES

3.5" Disk Head Cleaner	£1.99
Mouse Mat	£1.99
1000 Labels	£6.99
Amiga Disk Drives (Cumana / Amitek / Zappo)	£54.99
Manhattan Mouse Amiga / Atari	£12.50
Universal Printer Stand	£4.99

Add £2.00 for Delivery

TOP QUALITY RIBBONS

	Black Re-inkers	Black Compatible	Colour Recommended
Panasonic KXP1124/1123/1180/1081	£ 2.50	£ 3.50	N/A
Panasonic 2135/2180/2135	£ 4.99	£ 6.00	
Citizen 120D/Swift 9/24	N/A	£ 3.99	£ 13.60
Citizen Swift 90/200	N/A	£ 3.99	£ 13.60
Star LC10/20	N/A	£ 3.99	£ 12.99
Star LC200	N/A	£ 3.50	£ 13.50
Star LC240/24200	N/A	£ 3.50	£ 13.50
Epson LX400/LQ 100	N/A	£ 4.00	N/A

Add £2 for Delivery

ZAPPO SMART STOR HARD DISK

Provides games and data portability for A600/A1200

260Mb	£209.99	540Mb	£309.99
2Mb Ram	£127	Alternative	£120
4Mb Ram	£187	Alternative	£180

ZAPPO CD ROM FOR A1200 WITH 5 GAMES

£199.99

AMIGA CABLES

Amiga to TV Scart	£ 0.99
Amiga to Sony TV	£10.99
Amiga to Amiga	£10.99
Monitor overhang lead 23M/23F	£11.99
Joypad Splitter	£5.99
Automatic Mouse/Joystick Cable	£19.99
Joystick Extension Lead 1M	£5.99
Printer Lead	£4.00
Python 1M Joystick	£8.75
Maverick 1M Joystick	£10.99

DUST COVERS

Amiga 1200/500/500+/600	£4.00
Commodore/Philips Monitors	£4.00
Star/Citizen/Panasonic Printers	£4.00

INKJET CARTRIDGES & REFILLS

HP Deskjet Black Dual Capacity Cartridge	£22.99
HP Deskjet Black Dual Capacity Refill	£15.99
HP Deskjet 500 C/560 C Colour Cartridges	£25.99
HP Deskjet 500 C/560 C Colour Refill	£16.99
Canon BJ-10/200 Black Ink Cartridges	£16.99
Canon BJ-10/200 Black Ink Refill	£9.99

Add £2 for Delivery

PRINTERS

NEW

PANASONIC 2135
24 PIN COLOUR
ALL PRINTER FREE LEAD & DELIVERY

£159.99

Panasonic 2135 24 pin Colour inc. sheet feeder	£159.99
Panasonic 2023 24 pin mono Free sheet feeder	£149.99
Panasonic 1150 9 pin mono	£119.99
Panasonic KXP 4400 Laser quality	£375.00
Canon BJ-10SX inkjet	£179.99
Canon BJ-200 inkjet	£229.99
Canon BJ400 colour	£374.99
Citizen ABC 24 pin colour	£249.99
Citizen Swift 200 24 pin colour	£179.99
Citizen Swift 240 24 pin colour	£214.99
Citizen Project II inkjet colour	£259.99
Hewlett Packard 320 colour inkjet	£249.99
Hewlett Packard 320 inkjet	£224.99
Hewlett Packard 520 inkjet	£249.99
Hewlett Packard 560 colour inkjet	£409.99
Star LC100 9 pin colour	£124.99
Star LC240 24 pin colour inc. sheet feed	£179.99

Add £12.50 for (Word Processor or Ribbon) dust cover, printer stand, 500 A4 paper when purchased with printer

MONITORS

Philips 8833/II

£215.00

As long as stocks last

SPECIAL OFFER

Microvitec 1438	£254.99
Philips 8833/II	£214.00
Sharp TV/Monitor	£169.99

HOW TO FIND US

ALL PRICES INCLUDE VAT & DELIVERY UNLESS OTHERWISE STATED. E&OE. CHEQUES MADE PAYABLE TO GREY-TRONICS LTD. MAINLAND ONLY!

ADD £5.00 FOR NEXT DAY DELIVERY CALL OUR SALES HELPLINE FOR OFFSHORE ORDERS TOO

GREY-TRONICS LTD, UNIT 1015 WHITGIFT CENTRE, CROYDON, SURREY CRO 1UU

SALES HELPLINE 081 686 9973 Mail order prices only FAX 081 686 9974

All offers subject to availability. E&OE. Prices/Pack details may change without notice. Please allow 14 working days for cheques to clear.

U.K. & INTERNATIONAL DELIVERY SERVICES - (BFPO ORDERS WELCOME + SURCHARGE)

LAND | AIR | SEA

HI Quality Version Available on AMIGALAND.COM

King Pin

■ Price: £14.99 ■ Publisher: Team 17 ✆ 01924 385 903

Unlike bowls, which involves people in tank tops and slippers rolling 'unround' balls around a village green, Ten Pin Bowling is the wholesome pastime of mafia bosses and families from Milton Keynes. Basically skittles using big balls with finger holes I never thought it would look good on screen, but Team 17 have changed my mind.

There are three main play options: A Single series where you can play against up to five computer opponents in one, three or five full games; Pairs involves you teaming up with a partner trying to beat another couple with your combined scores; and Trio consists of two teams of three competing against each other over a set amount of games. There are other variations such as Matchplay where you must win a certain amount of games and Spares where you have to knock down awkward 'splits'. In case all of these scoring methods gets confusing there's a handy computerised score sheet to keep track of all the points.

▲ Nice animation rounds off a satisfying throw. No strike though

Team 17 have tried to make *KingPin* as close to real bowling as possible, so you also have to contend with waxed floors which have slight curves and bends. To combat this you can choose from a variety of ball weights and can increase or decrease the strength of your shot accordingly. There's even an option to muck about with your opponent's statistics to give you that extra edge.

KingPin on Amiga received a very respectable score of 76% when it was reviewed in the March issue of CU Amiga Magazine. It was credited with good graphics, involving gameplay and intuitive control, and nothing whatsoever has changed on the CD32 version. Control is just as simple: you can move the player's position, alter the ball's weight and the power of the shot. The sound is mainly limited to pin racking noises and random announcements from a female voiceover telling people to move their cars away from the entrance. It's an original concept though and at £14.99 it's good value for money. ■

LC

▲ I would like to point out that I have never scored like this. Ever.

▲ Why buy I'm no strike! Er no, sorry fine, I'm only joking.

Exit game
Bowl confirmation
Use lighter ball
Use heavier ball
Move bowler and increase/decrease power

78%

Hi Quality Version Available on AMIGALAND.COM

The Clue

■ Price: £29.99 ■ Publisher: Neo ✆ 01438 840 004

▲ Er, what's Helmut Kohl doing in this game?

Fed up having to work hard for a living? Well, *The Clue* could be just the game for you. It teaches you how to plan and pull off robberies ranging from little jobs such as your Aunty Emma's corner shop to the Tower of London.

You play the part of a young criminal who sets off to seek/rob his fortune in the bright lights of London. You begin in Victoria station with no money and nowhere to go. But as luck would have it, you jump into a taxi and are told that you have won a year's free supply of taxi rides – just the job for any budding criminal. Give a false name at the Ugly Dog Hotel and you get a room from where you can plan all your blags. Plotting a coup involves staking out and investigating all the locations on the screen, talking to everyone to find out who might be useful and what percentage of the takings they want.

▲ The Beatles had a song about walruses or something, didn't they?

Once you've gleaned enough information it's back to the hotel room where you sit down and plan your crime. First though you've got to get one or more accomplices. The hotel phone is just the job as it links you directly to any contacts you've made earlier. Once you've got one or more accomplice you can set about drawing up blueprints for the job. You can then start the robbery, but if you get caught you'll end up in a monastery (!?) for the rest of your days. If the job is successful, however, you can listen to to the police reports as they investigate the robbery and find out any mistakes that you might have made.

There is not much difference between this and the Amiga version. Some speech has been added, but it's only in the form of a monologue/narrative from the main character, which is a shame as it could have added more atmosphere to the game if the other shady characters had been given voices. ■

LC

▲ Mick Jagger: "I'm not waiting for a lady, just waiting for a friend"

Select
Move cursor on screen

83%

Amiga Frame Grabbing has just taken a Fall... in Price, but definitely not on quality!

NOW WITH NEW VERSION 2.0 SOFTWARE... AND OPTIONAL PCMCIA INTERFACE FOR EVEN BETTER PERFORMANCE, PLUS SECAM SUPPORT (and NTSC due soon)

The revolutionary new ProGrab™ 24RT with Teletext is not only the best way to get crisp colour video images into your Amiga, it actually costs less than any of its rivals. Whilst this real time 24-Bit colour frame grabber/digitiser has slashed the price of image grabbing on the Amiga, it hasn't been at the expense of quality. Indeed, ProGrab™ has been bestowed the Amiga Format Gold Award and received many rave reviews for its ease of use and excellent quality results.

With ProGrab™ you needn't be an expert in Amiga Video Technology either. Simple 3 stage operation ensures the right results Real Time, after time.

Grab images with your camcorder

Take a signal from a TV with SCART output

Use a satellite receiver as your output device

Grab TV or video pictures from your VCR's video output

STAGE 1...

Select any video source with composite output. This could be your camcorder, TV with SCART output, satellite receiver, domestic VCR/player or standard TV signal passing through your VCR/player... the choice is yours

STAGE 2...

Using the ProGrab™ software, select an image you wish to capture in the on screen preview window (because the hardware grabs a frame in real time, there's no need for a still frame facility on the source device) and, grab! ProGrab™ even includes a Teletext viewing/capturing facility from either TV or satellite source devices. Once grabbed, simply download the image to your Amiga for full screen viewing

Hi Quality Version Available on AMIGALAND.COM

STAGE 3...

Use the saved image in your favourite Amiga word processing, desktop publishing or graphics software packages

For just £129.95

ProGrab™ is supplied with everything you'll need:

- **ProGrab™ 24RT Digitiser** (with power & input signal lead)
- **ProGrab™ 24RT Software**
- **Parallel Connecting Cable**
- **Mains Power Supply Unit**

ProGrab™ accessories can extend performance even more for the serious/professional user

Available accessories include:

- **Optional PCMCIA Interface only £29.95 for A600/A1200** for even FASTER operation
- Faster Downloading Times (up to TIME times quicker)
- Improved animation speeds of up to 1 Mpt (mono) and 1 Mpt (colour)
- New sound sampling and animation capabilities (separate sound sampler required)
- Save animations direct to your Amiga's hard drive
- **Optional SVHS Connection Lead only £4.95** (Only necessary if your output device doesn't have a standard phono composite video out socket)

ProGRAB 24RT

ProGrab™ **really does** make it that simple!

Even better performance using ProGrab™ Version 2.0 upgraded software

- Support for Virtual Memory on all hard drive system Amigas (without the need to fit an MMU). Allowing use of the highest resolutions - even with smaller memory Amigas in low memory situations, requiring only 1Mb of hard drive space
- Additional Teletext - with terrestrial TV signals as well as satellite
- A larger preview window option with double the resolution and 4 times the area of the previous version
- Composite PAL and now SECAM (French TV systems) video inputs with NTSC compatibility due to be released soon

FREE with all new ProGrab™ orders and available to all existing users as a software upgrade

To get **your** hands on ProGrab™ call our sales line on...

01 773 836781

...or Post/FAX your requirements on the order form provided

gordon harwood computers
the UK's favourite Amiga Dealer

Gordon Harwood Computers Limited
New Street, Alfreton, Derbyshire DE55 7BP
Tel 01 773 836781 Facsimile 01 773 831040

Mr/Mrs/Miss/Ms. Initials: Surname:

Address:

County (Country): Postcode:

Daytime Phone: Evening Phone:

Please rush me... ___ ProGrab Frame Grabber @ £129.95 inc. p&p £____:__
___ Optional PCMCIA Interface @ £29.95 inc. p&p £____:__
___ Optional SVHS Connector @ £4.95 inc. p&p £____:__
___ Optional FAST Courier Service Delivery £ 4.95
(Overseas Customers - Please Call for Prices etc.) TOTAL £____:__

For a software upgrade @ £4.95 inc. p&p please tick here ☐

Card holder's signature:

Card No.:

Expiry Date: Issue No./Switch Only: Dept: C11B

Cheque/Bank Draft/Postal Order for £____:____ payable to Gordon Harwood Computers Limited...

CREDIT CARDS NOT CHARGED UNTIL DAY OF DESPATCH

DIRECT SOFTWARE LTD

REGULAR FREE GIVEAWAYS WHEN YOU BUY FROM DIRECT

DEPT: CU0595, 36 Benhow Court, Shenley Church End, Milton Keynes, MK5 6JG
TELEPHONE: 01908 379550 FAX: 01908 277142

AMIGA TITLES

Alien	£18.99	Evasive Action	£16.99
Alien 3	£18.99	Eye of the Beholder 3	£20.99
Alien Breed 2 1200	£18.99	F1 World Champs (Domark)	£16.99
Alien Breed Special Edition	£6.99	Fields of Glory	£16.99
Alien Breed 3D	£16.99	Flashback	£17.99
Alien Olympic	£16.99	Football Glory	£16.99
All New World of Lemmings	£16.99	Football Glory 1200	£16.99
All New World of Lemmings 1200	£16.99	Football Manager 3	£16.99
All Terrain Racer (500)	£16.99	Formula One Champions	£16.99
All Terrain Racer (1200)	£16.99	Formula One Team Manager	£16.99
Alternate Quest	£16.99	G2	£16.99
Apidya	£7.99	Gateway	£16.99
Apocalypse	£16.99	Globe Dominator	£22.99
Arcade Sports Bowling/Kingpin	£9.99	Graham Gooch 2nd Innings	£16.99
Armour Geddon 2	£15.99	Graham Gooch World Cricket	£16.99
Award Winners 3	£19.99	Guardian 1200	£16.99
Banshee 1200	£16.99	Gunship 2000	£16.99
Beneath The Steel Sky	£16.99	Harms Raiders Animation	£26.99
Benefactor	£16.99	Hannibal	£19.99
Big Sea	£16.99	Haverdell 2	£22.99
Body Blows	£9.99	Hercquest 2 Legacy	£9.99
Body Blows 1200	£9.99	Hired Guns	£22.99
Breach 3	£22.99	Indianapolis 500	£8.99
Brian The Lion	£15.99	Ishar 3	£21.99
Cannon Fodder 2	£19.99	James pond 3 1200	£9.99
Championship Manager	£16.99	John Madden Football	£9.99
Champ Manager Italia 96	£16.99	Jungle Strike	£16.99
Champ Manager Season Disc	£7.99	Jungle Strike 1200	£16.99
Chaos Engine	£16.99	K240	£16.99
Classic Collection Ralphin	£16.99	Kick Off 3 1200	£16.99
Classic Collection Vol 2	£16.99	Kid Chaos	£16.99
Classic Collection Vol 3	£16.99	Kick Rate Off 3	£9.99
D Day	£21.99	Kings Quest 1	£16.99
Dalmuir	£17.99	Kings Quest 2	£16.99
Dawn Patrol	£22.99	Kings Quest 3	£9.99
Deadly	£21.99	Kings Quest 5	£22.99
Deposit of Hard	£9.99	Kings Quest 6 1200	£22.99
Dragonstone	£16.99	Lamborghini	£16.99
Dreamweb 1200	£22.99	Lords of the Realm	£22.99
Dune 2	£9.99	Maelstrom	£22.99
Embryo	£16.99	Magnetic Castle	£19.99
English Soccer	£16.99	Man Utd Premier Champ	£13.99

Manchester United	£16.99	Rango The Scream	£16.99
Master Axe	£16.99	Simon The Sorcerer	£16.99
Master Axe (1200)	£16.99	Skeleton Krew 1200	£22.99
Mind Machines	£16.99	Skidmarks Uppers	£16.99
Mighty Max	£16.99	Slamtrix	£19.99
Monkey Island 2	£21.99	Slamtrix 1200	£19.99
Monopoly	£16.99	Pro Tennis 2Sh Arn(1200 Hard Disk)	£22.99
Mortal Kombat	£16.99	Sleepwalker Special Edition	£ 2.99
Mr Nutz 600	£16.99	Stardust	£22.99
Mutant League Hockey	£16.99	Superfighter 2	£9.99
Mutant League Hockey 1200	£16.99	Subwars 2050	£16.99
National Lottery	£9.99	Subwars 2050 (1200)	£22.99
National Hockey League 95	£16.99	Super League Manager	£19.99
On The Ball League Editor	£16.99	Super Stardust	£19.99
Oscar	£6.99	Super Street Fighter 2	£19.99
Oscar 1200	£9.99	Tactical Manager Italy	£19.99
Overlord	£ 8.99	Tactical Manager Scotland	£19.99
PGA European Tour	£16.99	Tactical Manager 94/95	£9.99
PGA European Tour 1200	£16.99	The Blue and The Grey	£22.99
Pinball Double Pack	£16.99	The Clue	£ 9.99
Pinball Fantasies 1200	£ 9.99	The Settlers	£19.99
Pirate Tycoon (1200)	£22.99	Theme Park	£22.99
Populous - New City	£16.99	Theme Park 1200	£22.99
Powerdrive	£16.99	Total Carnage	£19.99
Premier Manager 3	£16.99	Turbo Trax	£16.99
Premier Manager 3 (1200)	£19.99	Twilight 2000	£16.99
Prey Squad	£16.99	Twilight 2000 1200	£20.99
Quest for Glory 1	£16.99	UFO	£22.99
Quest for Glory 2	£ 9.99	UFO 1200	£22.99
Realms	£9.99	Ultimate Pinball	£16.99
Rebelstar 1200	£16.99	Universe	£22.99
Robinsons Requiem	£16.99	Uridium 2	£16.99
Roll of Thunder	£16.99	Valhalla	£16.99
Rugby League Coach	£16.99	Vital Light	£ 9.99
Ryder Cup 1200	£16.99	Voyages of Discovery	£16.99
Seek and Destroy	£12.99	War in the Gulf	£9.99
Sensible Golf	£16.99	Wembley Int Soccer 1200	£16.99
Shadow Fighter 1200	£16.99	Wembley Rugby League	£16.99
Sing Fu	£ 8.99	Wild Cup Soccer	£16.99
Sierra Soccer	£15.99	Winter Olympics	£20.99
Sim Ant	£8.99	World Cup USA 94	£16.99
Sim City / Lemmings	£19.99	XII	£16.99
Sim City 2000 (1200) Hard Drive	£22.99		
Sim City Deluxe	£16.99		

SENSIBLE WORLD OF SOCCER £19.99

TFX (1200) £22.99

LION KING (1200) £19.99

FIFA INT. SOCCER £19.99

DUNGEON MASTER 2 (1200) £22.99

ALADDIN 1200 £19.99

DIRECT SPECIAL OFFERS

Alfred Chicken 1200	£9.99	Mig 29 Fulcrum	£9.99
Alien Breed 3 Tower Assault	£12.99	PGA Tour Golf and Courses	£9.99
Arabian Knights	£5.99	Pinball Fantasies	£9.99
Arcade Pool	£5.99	Pirate Tycoon	£22.99
Armour Geddon	£9.99	Rugby League Boss	£9.99
Brutal Sports Football	£5.99	Rwanda Sports International	£12.99
Bubble + Squeak	£5.99	Silent Service 2 / MEO	£21.99
Cannon Fodder	£14.99	Sim Earth	£8.99
Chaos Engine 500/600	£7.99	Sim Life	£9.99
Civilization 1200	£12.99	Sim Mania	£9.99
Club Football	£14.99	Smash Kit	£9.99
D Generation	£7.99	Soccer Kid 1200	£12.99
Desert Strike	£9.99	Stellar	£8.99
Gunship Ellis 2	£14.99	Team 500/600	£9.99
Jaguar XJ220 / MEO	£8.99	Syndicate 500/600	£9.99
Jimmy White Snooker 500/600	£7.99	That the Pot	£5.99
Jurassic Park	£9.99	Wing Commander	£9.99
Jurassic Park 1200	£9.99	WWF Wrestling	£8.99
Lemmings 2	£12.99	Zool	£7.99
Nick Faldo Chase Engine 500/600	£19.99	Zool 2	£9.99
Nick Faldo Golf	£5.99	Zool 2 1200	£5.99

EDUCATIONAL

ADI English 11-12	£16.99	Fun School 4 5-7	£16.99
ADI French 12-13	£16.99	Fun School 4 7+	£16.99
ADI French 13-14	£16.99	Magnetic Maps 1	£16.99
ADI Junior Counting 6-7	£13.99	Maths Maths 7-11	£16.99
ADI Junior Reading 6-7	£13.99	Micro English	£16.99
ADI Junior Reading 6-7	£13.99	Micro French	£16.99
ADI Maths 11-12	£16.99	Micro Maths	£16.99
ADI Maths 13-14	£16.99	Micro Science	£16.99
Aritmetic	£16.99	Micro Spanish	£16.99
Arnold Dingles	£16.99	Mr Ollies	£29.99
Arnold Fun	£22.99	Mouse Mat	£9.99
Arnold Fun Complex	£22.99	Noddys Big Adventure	£16.99
Arnold Professional	£29.99	Paint and Create	£16.99
Deluxe Paint 3	£39.99	Primary Maths 3-10	£16.99
Deluxe Paint 3 (ASA)	£51.99	Puzzle Book 2	£9.99
Disk Box 100 Cap	£7.99	Spelling Fun 7-11	£16.99
External Disk Drive	£49.99		
Fun School 4 2-5	£16.99		

WE CAN SUPPLY COIN GAMES PLEASE PHONE FOR DETAILS OR VISIT OUR MERCHANDISE OUTLET

Hi Quality Version Available on AMIGALAND.COM

BLANK DISKS

RECYCLED COVER DISKS		RECYCLED/BRANDED COVER DISKS		DS/DD		DS/HD	
50	£10.99	50	£16.00	50	£12.00	50	£22.00
100	£19.99	100	£30.00	100	£22.00	100	£40.00
200	£39.50	200	£60.00	200	£44.00	200	£80.00
250	£45.00	250	£70.00	250	£54.00	250	£90.00
500	£85.00	500	£135.00	500	£107.00	500	£170.00
1000	£160.00	1000	£255.00	1000	£214.00	1000	£320.00

PLEASE NOTE BLANK DISK PRICES ARE FOR THE UK MAINLAND ONLY - OTHER AREAS PRICES ON APPLICATION
WE WILL MATCH PRICES - NEVER BEEN BEATEN - TRY US

ACCESS/VISA CARD NUMBER ■■■■■■■■■■■■■■■■ EXPIRY DATE ■■/■■ SIGNATURE ■■■■■■■■■■

Please supply me with the following titles for computer _____

ITEM	PRICE
POSTAGE	
TOTAL	

CU AMIGA - MAY 95

DATE
NAME
ADDRESS
POSTCODE
TELEPHONE

Please make cheques and P.O's payable to:
DIRECT SOFTWARE LIMITED
UK Mainland - Delivery Free
EEC (Games only) £2.00 per item
NON EEC (Games only) £4.50 per item.
All parcels are sent by recorded delivery for customer peace of mind.
All items subject to availability. All prices subject to change without notice. E&OE.
Please allow for cheque clearance.
Some titles may not be released at time of going to press.

Award winners

Platinum edition

■ Price: £34.99 ■ Publisher: Empire ✆ 0181 343 7337

It's a testament to *Civilization*'s addictivity that the name of it's creator, Sid Meier has become so famous in the computer entertainment world, and that the game still ranks among the top three favourites if you ask games players and journalists now – four years after it was first released.

In *Civilization* you have to guide your people from the stone age through to the space race, trying to keep at least one step ahead of the opposition by building cities, controlling economic conditions and the military, mining and exploring territory and developing new technologies, products etc.

You can have up to seven computer opponents and can play the game on Earth or on another, custom built planet. You start the game in 4000BC with very little opposition but as the boundaries of science and discovery widen you will encounter the other civilisations and war will ensue.

Millenia later, if you are not destroyed you will see rockets, jet aircraft and atomic power, and if they don't destroy you, well, you're God.

Lemmings has sold over 2 million copies world wide and has been Psygnosis' biggest success story. The concept is simple enough, but the practice is mind bendingly addictive. Lemmings are suicidal rodents who, every year in the Fjords of Norway, take it upon themselves to jump off cliffs en masse. In the game they are equipped with a number of devices and tricks which the real animals don't have, such as shovels and umbrellas, and if you get sick of them you can press the nuclear self destruct button with hilarious results. The basic idea is to stop them from dying though. Oh come on! If you don't already know about Lemmings you've been living on the moon for the last couple of years.

▲ It's the beginning of the world as we know it.

Which brings me to *Frontier*, in which you can start off on a moon if you like. *Frontier* is the product of David Braben, who became famous in the 1980s for *Elite*. It's the follow up to this game and involves trading, fighting, mining and exploration of a vast universe, building up your status and power and the size of your space ship. The ship (and game, for that matter) can be viewed from a variety of different angles and all communication with the outside world is carried out from within its confines. You're not just limited to the same ship though. As you become richer and more successful you can upgrade, which in turn increases your range and money making possibilities.

▲ Doom! Ha, only joking. It's Lemmings of course.

▲ Frontier. If you hadn't guessed already.

Frontier is possibly the biggest game ever packed on to one double density disk. You can choose from a wide variety of 'careers' to make money, including transport, mining or military and both your skills as an overall strategist and as a ship to ship space combateer will be tested to the full. Although it's a good game I must admit that I'm not mad on *Frontier*, but the general consensus of everyone else in the office is that it's brill.

There's only one flaw in Empire's marketing strategy, though. Surely everyone has these games already, don't they?

AD

92%

Hi Quality Version Available on AMIGALAND.COM

Space Hulk

■ Price: £14.99 ■ Publisher: Hit Squad ✆ 0161 832 6633

In space everyone uses the same clichés, especially when trying to describe a game where a squad of marines infiltrates a space ship to destroy enemy aliens. But I won't. Once upon a time Gremlin produced a game called *Space Crusade*, based around Games Workshop's Warhammer 40,000 series of tabletop role playing games. It was best played as a 2D game but there was also an isometric 3D view, which was slower, but more illustrative.

Not content with this admittedly rather good effort, Games Workshop teamed up with Electronic Arts to produce an even more realistic game, where the main view was first person. When a Soul Sucker attacks you, you can see him coming through a central screen on a control panel (see left), and it's not a pleasant sight. This control panel also allows you to view what up to four other Marines can see and has an overhead map, showing your location in the 'hulk'. There is also an overhead 2D viewing and weapons screen and the action takes place in real time.

Space Hulk held pole position for this type of game until *Doom* appeared and few other role playing games have the same sort of shoot 'em up action and genuine suspense as it. To succeed at the 50 odd missions you need to know the controls inside out. It'll take you a while to get acclimatised but *Space Hulk* is an enjoyable and rewarding game once you do.

AD

88%

Dreamweb Tips PART 2

Hello again and welcome to our second and final solution to Empire's top adventure game, Dreamweb. Sitting comfortably? Then we'll begin ...

The TV Studio

Go to the TV studio. Walk as far right as possible, then as far down and go left. Use the gun on the old security guard. Examine the barrier controls and use them. Walk left and up into the studio. Pick up the passcard which is hidden under the brochure. Go left and down into the storeroom. Examine the fusebox, use it with the screwdriver and take the fuse. Now go far right and up the ladder. Examine the winch control and then open it. Replace the blown fuse with the one from the storeroom. Use the winch control. Splat, one dead General!

Chapel's House

In the Dreamweb, talk to the keeper once more and then examine and use the right hand door in the main corridor. Use the key on the plinth as usual. Ryan will materialise in a car park.

Go left and examine and take the wire cutters from the back of the car. Go to Chapel's House via the travel screen. Walk to the wall, examine and then use it. Examine the cartridge and then take it.

Return to Ryan's flat from the travel screen and put the cart from Chapel's house in Ryan's interface. Use the network interface and LOGON with the tag BECKETT. Type SEPTIMUS as the password. Type CARTRIDGE and then READ BRIEF.

▲ Take the wire cutters from the back of the car in the car park

▲ Make sure you get the cartridge in Chapel's house

Hi Quality Version Available on AMIGALAND.COM

Sartain Industries

Once back in the Dreamweb, talk to the Keeper and pay special attention to what he says about, 'knowing someone well'. Go as far south as possible and take the purple crystal. Go as far left as possible, examine and then use the door on the bottom right. Use the key on the plinth as usual. You'll materialise outside Sparky's Bar and from here use the travel screen to return to Eden's house. Walk left to the bed and examine the organiser hidden under Eden's purple shirt.

Use the organiser and keep pressing the N or P keys until Sartain's address comes up. Go back to the lift doors and take the cartridge marked 'Sartain Industries' which is resting on the table. Leave Eden's flat and return to your own flat via the travel screen. Pick up any mug and stick it in your inventory, you'll need it later. Use the network interface with Eden's cart. Use the network in the usual way and type LIST CARTRIDGE. Now type READ CODE and take down the number. This will let you into Sartain Industries. EXIT the network interface. Proceed to Sartain Industries via the travel screen and enter the doorcode 7833. Walk to the computer and use Ryan's gun on it. Go left and enter the malfunctioning lift doors. Examine and then use the lift controls. Use the crystal.

Head down, walk to the briefcase and examine it. Take and use the papers to get Chapel and Underwood's addresses, as well as other useful gossip. Walk to the door on the right, walk up the steps and then walk to the doorstep. Walk to the tarmac and use the gun. Boom, there goes person number three!

▲ Keep pressing the N or P keys to get Sartain's address

The Boathouse

Return to the travel screen and go to the boathouse. Examine and then use the railing. Walk to pipe and use the pipe with the mug which you collected from Ryan's flat. Go right and walk to the junction box. Use the junction box, firstly by itself, then with the railing and finally the mug. Walk to the hole in the balcony, examine and then use it. Now examine the hole in the window and examine and use that too. Walk to Underwood, talk to her and then use the gun.

The Ruined Church

Once again Ryan will return to the Dreamweb so talk to the keeper again for the latest gossip. Go to the bottom left corridor and use the far left corridor. Hey guess what? That's right, use the plinth with the key again. Return to the travel screen and go to the ruined church. Walk to the gate, examine it and use the wire cutters on it. Walk to the step. Once inside the church, walk to the hand.

Walk down twice, then walk to the cloth. Take the cloth and then drop it. Examine the altar and then the hole. Use the hole with the hand. Examine and use the altar then examine and use the hole. Now examine the jar, open it and take the gem. Walk to the stone slab and use it. Now examine and take both gems. Examine and take the rock. Now walk to the stone tile and use all three gems on the stone tile. Walk right and then up. Walk to the statue, examine and then use it. Match the image with the one in the diary of the madman. Push the crystal once you've matched the image. You'll hear a noise and this means the gate blocking Ryan's path to the south is now open. Search the entire area for another seven rocks. They're all pretty obvious but the one in the room to the bottom right can be difficult to spot. It's sitting tucked away at the top right. Once you've collected all the rocks, walk to the mine cart, examine it and use it eight times with the rocks you've collected. Once full, use it again and it will shoot off down the screen and crash through a wall. Go through the wall, down and take the first left. Go down again, walk to the hole, examine and use it. Now go left, up, up and left. Hurrah, you've finished the game! Almost. As soon as the dialogue finishes go right. Now it's finished for good and so's Ryan judging by the amount of bullets he takes...

Zone 1
NEW! Computer Discount Club.
What you receive if you join;
Free Bi-monthly Catalogue
Free Bi-monthly disk (P.D. Games, Utilities & more)
Huge discounts on all purchases
No obligation to buy anything
The price you see, is the price you pay
V.A.T. Post & Packing are ALL included
Membership Number:
(Or Fee if joining)
01785 813355
Please make cheques/postal orders payable to Zone1 Ltd.
Name:
Address:
Postcode:
Dept CU495
Zone1 Ltd.
PO Box 48,
Stone,
Staffordshire.
ST15 8GH.
Prices correct at time of going to press. 19.4.95 E.&.O.E.

LOWEST PRICED TOP QUALITY RIBBONS, INKJETS, TONERS & DISKS
Printer Ribbons
Ring for Ribbons Not listed
Ring us and WE WILL BEAT all other Ribbon prices
3.5" Disks & Disks Boxes
DS/DD DSHD
10 Disks £5 £7
25 Disks £10 £14
50 Disks £16 £23
100 Disks £29 £43
250 Disks £65 £92
500 Disks £125 £175
100 Cap. Lockable Disk Box £5.99 with orders of £10+
All disks Certified 100% Error Free and INCLUDE FREE Labels
Inkjets, Ink Refills & Toners
Ring For Inkjets & Toners Not Listed
Miscellaneous Items
All Prices INCLUDE VAT (@ 17.5%) & UK Delivery
01543 250377 01543 250377
Ring us or send cheques to:
Owl Associates, Dept 328, Owl House,
5 The Brambles, Lichfield, Staffs WS14 9SE
E& OE

Hi Quality Version Available on AMIGALAND.COM

FIRST COMPUTER CENTRE

HOW TO ORDER

Order by telephone quoting your credit card number. If paying by cheque please make payable to: "FIRST COMPUTER CENTRE". In any correspondence please quote a phone number, post code & Dept. Allow 5 working days cheque clearance

SHOWROOM ADDRESS: DEPT. CU, UNIT 3, ARMLEY PARKCOURT, STANNINGLEY RD, LEEDS, LS12 2AE.

1% surcharge on Amex

DELIVERY TARIFFS

- Standard delivery £1.95
- 2-3 Week Days £2.95
- Next Week Day £4.95

Delivery subject to stock

- All prices include VAT @ 17.5%
- Large showroom with parking
- Multi-million pound company
- Overseas orders welcome
- Educational purchase orders welcome

OPEN 7 DAYS A WEEK

Telephone 0113 2319444

24 HOUR MAIL ORDER SERVICE FAX: 0113 2319191

NEW! BBS Modem sales & technical line Tel 0113 2311422

EASY ACCESS FROM M62, M1 and the A1

AMIGA REPAIR CENTRE

Tel. 0113 2319444

PRINTERS

Canon

NEW LOW PRICES!

Canon BJ10sx	£189.99
NEW Canon BJ200ex	£269.99
Canon BJC4000 Colour	£345.99
Canon BJC600 Colour	£434.99

CITIZEN

ABC Colour printer	£154.99
NEW! Projet II Colour	£249.99
Swift Auto Sheet feeder	£79.99

EPSON

Epson LX300	£129.99
LQ150 Colour	£209.99
Stylus 800+	£239.99
Stylus Colour	£439.99

HEWLETT PACKARD

HP 320 portable	£234.99
HP 320 Auto sheet feeder	£49.99
NEW! HP540 mono	£235.99
HP 320/540 Colour upgrade	£36.99

Star

Star LC100 Colour	£124.99
Star LC90 9 pin mono	£109.99
Star LC240 24 pin mono	£125.99
Star LC240C 24 pin Colour	£144.99
Star SJ144 Colour	£239.99

LASER PRINTERS

Panasonic KXP4400	£354.99
Oki 400ex	£359.99

CONSUMABLES

Ribbons

Covers

PREMIER Ink Refills

Cartridges

Miscellaneous

SUPRA MODEMS

NEW LOW PRICES!

SupraFAXModem 288 — only £233.99

SupraFAXModem V.32bis — only £169.99

SupraFAXModem 144LC V.32 bis (14400 baud!) — now only £99.99

US Robotics

WE ARE PREFERRED USR DEALERS

NEW! Sportster 288 only £233.99

WORLDPORT

Amazing price reduction on Courier Dual Standard V34 Fax Now only £327.99

SPECIAL OFFERS!

ACCELERATORS

VIPER 68030 TURBO SERIES

Viper 28 EC	£114.99
Viper 28 MMU	£134.99
Viper 33 MMU	£179.99

SUPRA 28 ACCELERATOR now only £127.99

MISCELLANEOUS

NEW LOW PRICES!

AMIGA CONTROL STATIONS

DISK DRIVES

AMITEC 1 mb 3.5" drive only £54.99

Cumana 3.5" drive only!! £49.99

MONITORS

All our monitors are UK spec. All monitors come complete with a free Amiga lead!

Microvitec Autoscan 1438 — only £289.99

NEW! Philips 8833 MKII — only £234.99

RAM EXPANSION

Part exchange available on your old memory. Call for pricing.

CHIPS

PRIMA CO-PRO & RAM

Hard Drives

2.5" Hard Drives for 600/1200 with installation kit

3.5" Hard Disk Drives with A1200/600 install kit

Full fitting service available. Includes fully insured UK mainland pickup and delivery only £30.00

PRIMA HD-150 (150mb)	£259.99
PRIMA HD-540 (540mb)	£305.99
PRIMA HD-730 (730mb)	£374.99
PRIMA HD-1000 (1Gig)	£544.99
PRIMA HD-2100 (2.1Gig)	[illegible]
PRIMA HD-4300 (4.3Gig)	[illegible]
PRIMA HD-9100 (9.1Gig)	[illegible]

CD ROM Drives

PRIMA A1200 CD ROM DRIVES

A1200 OVERDRIVE CD-ROM

New low price! £209.99

Panasonic CR503B 2 X Speed	£132.99
TOSHIBA 3601B 4 X Speed	£265.99

GENLOCKS

hama ON DEMO NOW!

The Professional answer

hama 292	£279.99
hama 290	£688.99
GVP Genlock	£289.99
Rocgen Plus	£164.99
Rendale 8802 FMC	£164.99
Rocgen Rockey	£164.99

SCANNERS

Alfa Scan 800 £115.99

Alfa Data Alfa Colour Scan only £325.99

Alfa Scan 256 £135.99

EPSON GT6500 Colour Flatbed New low price only!! £499.99

Phone for information pack.

Art Department Pro Scanner software £99.99

Tabby Graphics Tablet

AWARDED AMIGA COMPUTING

only £59.99

ROMBO PRODUCTS

VIDI 24 RT NEW

VIDI 24 RT PRO

VIDI 12 AGA

MICE & TRACKERBALLS

Alpha Data Mega Mouse 400 Dpi 90% rating

Zydec Trackball

Alfa Data Crystal Trackball only

Stereo/Speaker Systems

Aerospace Deluxe

ZyFi-2 Stereo System

ZyFi Pro Stereo System

SOFTWARE

MISCELLANEOUS

MUSIC/SOUND

PROGRAMMING

PUBLIC DOMAIN

UTILITIES

VIDEO & GRAPHICS

WORD PROCESSING

Lords of the Realm

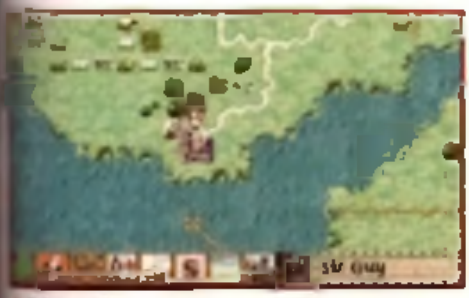
PART 2

This month we look at invasion strategy and controlling far too many counties for your own good.

Controlling lots of counties can be a serious pain in the neck, it means more work, more risks and more exposure. On the other hand it increases your potential revenue and provides you with multiple opportunities for trade. And hey: it's also the aim of the game.

In order to hold on to your new conquests you will need to make sure that your home county is connected up to them, otherwise you will lose control. If an enemy army invades or the peasants rebel in an intermediate county you will not only lose your far flung realms, any castles you have built will disappear too, leaving the occupying army stranded. To avoid this try to order your conquests so that they always share more than one common border with other counties under your control. Remember though, the same thing will happen to opposing nobles and to avoid having to destroy or take all of their castles, why not make them magically disappear by cutting them off from their home county.

▲ The army shows in 500 strong, but beware of column this size. They will not a county into bankruptcy and might become bandits if dissatisfied.



▲ And so, another castle has been destroyed by the forces of Sir Guy, will the land never see the end of this tyranny?

Leap frogging

Taking and controlling every county you come across uses up valuable resources and will merely make your job more difficult in the long run. If you completely surround a county then just leave it alone, it will not bother you again. When you're done with most of the other Lords you can then conquer it if you want – but as long as it's not bothering you there's really no need. You can also station soldiers in unconquered counties to spare your own food resources. Beware of these counties, though, they may seem empty and undefended but they can contain a surprisingly large amount of peasants and may need a large army to conquer if you wish to do so.

Manually controlled battles can be fun – if you have a 50MHz machine! They are slow and laborious otherwise, but you will need to take control if you adopt hard level warfare because the enemy will beat you easily if you don't. Taking control is also terribly tedious if you are fighting with less than 500 troops. If you've read your handy guide to hit and defence points you'll discover that swords are best for both, bows have the longest range and crossbows have more power but less range than regular bows. Knights are cool too, but expensive.

Move your army forward a little (leaving some swordsmen or knights in reserve), placing archers and crossbowmen just behind the swordsmen. Target the enemy with your archer's bows and let them come to you. You will pick off a lot of troops this way. Once they have nearly reached you set your swordsmen on them. At this point withdraw your archers back to their original position. See how the battle is going and if necessary send in your reserves to speed things up and finish them off.

If all is not going well and you are being really slaughtered, withdraw your troops and set the archers firing at the enemy again. Let the enemy follow your troops into the fire and then release your reserves on their flanks. The white flag is basically useless: you might as well fight on until all of your troops are dead.

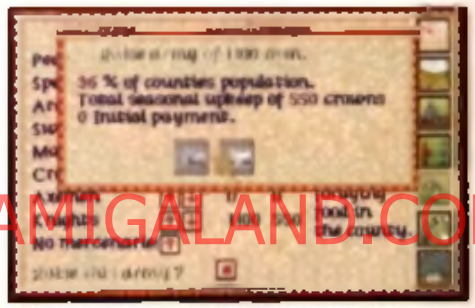
Siege warfare

When besieging a castle don't try to storm it straight away. Reduce the amount of fighters to zero and increase the amount of builders to the maximum. Then build as many trebuchets (large destructive catapults) as possible. Build ladders with any spare men. Leave this screen and wait until the next season. Continue building trebuchets next season until you have at least three, but the more the merrier. Target the first season's catapults at the weakest and lowest outer wall, but don't send in any ground troops yet. If the walls are large you may need some siege towers but these take a lot of men to build and may not be of use.

Once you have knocked plenty of holes in the castle wall it's time for a mass assault. This should take place in season three or four, and if you have destroyed enough walls each season with your trebuchets then it will fall very quickly. Remember, when using ladders or assault towers your troops can be doubled up. You may also be able to take a castle by aiming all your trebuchets at the flag. Keep on pounding it with enough firepower and it will fall.

To defeat all of the other lords you may have to neglect parts of your kingdom, and peasants may oust you from some counties; don't worry about this too much (but try to police rampaging peasants and ex-soldiers or they could make things difficult). Once the serious opposition has been defeated you will be made Lord Of The Realm whether you control them or not. ■

▲ And so, the end. Our A1200 crashed after this, but thankfully not before conquering the whole country and defeating the other Lords.



▲ They say wealth corrupts, but it can also buy 1,100 knights.

Hi Quality Version Available on AMIGALAND.COM

FLASHTECH

BREAD STREET. PENZANCE. CORNWALL. TR18 2EQ
TELEPHONE 01736 33199 FAX 01736 331777

HARD DRIVES

2.5" 3.5"

IDE

80Mb £69	120Mb £69
120Mb £99	360Mb £129
170Mb £129	540Mb £149
260Mb £169	1000Mb £249

Hi Quality Version Available on WWW.HARD.COM

CALL FOR SCSI DRIVE PRICES

ALL DRIVES CARRY A 2 YEAR WARRANTY
CABLE KITS AND FULL INSTRUCTIONS AVAILABLE
2.5" £5.00 3.5" £13.00

SALES: 01736 33199 (4 LINES)
NO MONIES WILL BE ACCEPTED UNLESS WE HAVE THE DRIVES IN STOCK

ALL PRICES INCLUDE V.A.T. PLEASE ADD £12 CARRIAGE
PAYMENT BY CHEQUE OR P.O. ONLY MADE PAYABLE TO FLASHTECH LTD.
ALL PRTICES SUBJECT TO CHANGE WITHOUT NOTICE E&OE

Get Serious

LEANING OVER THE EDGE

I received a letter from a Mr Archer who wanted to see pictures on his Amiga like those on a Mac. I explained that for life-like photorealistic quality he'd need an AGA Amiga at least, or buy a big box Amiga and add a 24-bit card. But he said he didn't have the money and wanted to know why his Amiga couldn't do it as standard.

I hear this argument frequently. The Amiga is a fantastic computer and its basic hardware is better than PCs and Macs which cost much more. However, Mac and PC owners constantly upgrade their systems (how many 286 PCs are still around?) adding 16-bit sound cards, graphics cards and are therefore able to edit and display much higher quality pictures.

Unfortunately, some Amiga owners don't seem to realise this. They assume that their unexpanded Amiga will be able to do everything that expanded PCs do and when it doesn't they complain. It's Commodore's fault, Amiga software isn't as good, developers aren't supporting the Amiga etc, etc, etc.

Strangely it's never their fault. They don't seem to consider that if they spent more money on their Amiga, software developers would be able to produce better programs. Let's face it, Microsoft Word would never run on 286 PCs, it's only because PC owners have upgraded that Microsoft have been able to develop and release such a powerful program.

If Amiga owners would do the same the Amiga market would be a lot stronger than it is now. Likewise software developers wouldn't be held back by the slower systems and could develop big powerful do-everything applications. As a result we could gloat at the over-priced PCs that our neighbours had bought. If you chose to buy a basic model Amiga don't expect it to do what the super expanded PCs and Macs do and don't complain when it doesn't. ■

If last month's Get Serious pages were a hardware bonanza this months are a software spectacular. Firstly there's a detailed test of Amiga paint programs and a look My-Money - a new financial package. But it's not all software; there's a super new genlock tested as well. It's all here in the next few pages.

● **CTV Micro Studio 2000** 72
It's big, it's covered in knobs and Tony Horgan's in love with this all singing all dancing genlock, chromakey and mixer.

● **My-Money** 74
Got a problem with your cash flow? Andy Leaning checks out this financial planner. Will it help or is it not up to scratch?

Hi Quality Version Available on AMIGALAND.COM

● **CD-ROM Round-Up** 78
Another slew of silver slivers slide slowly into the CU Amiga Magazine CD-ROM mechanism (who writes this stuff?).

● **Graphics Comparison** 82
André 'Monet' Digard test drives the top four Amiga paint packages to find which offers the best painting tools.

● **PD Scene** 86
All the latest games, demos and oddities from the public domain.

● **PD Utilities** 91
André Digard goes on a mysterious adventure as he explores the fascinating world of public domain utilities and applications.

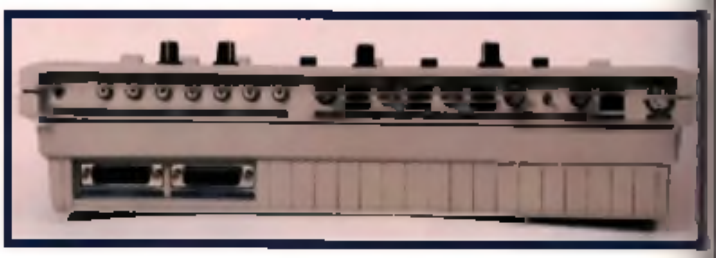
Micro Studio 2000

Make your own pop videos, sci-fi epics, grass roots documentaries and corporate presentations with CTV's new video mixer.

■ Price: £750, £1100 (with TBC) ■ Developer: CTV Multimedia ■ Supplier: CTV tel: 01206 330678

▲ Flashy pop-video type effects are possible with the chromakey and lumakey features

▲ Key in a striking colour backdrop from your Amiga and you're transported to Freakout City Arizona!



▲ The Micro Studio 2000 is well stocked with audio and video inputs and outputs, offering both VHS composite and S-VHS compatibility along with monitor outputs for video, audio and computer graphics

As we mentioned in our animation feature last month, CTV have released what's potentially one of the most powerful tools ever available for Amiga video producers. The Micro Studio 2000 is a video mixer that combines two video inputs, chromakey, lumakey and genlock mixing of Amiga graphics, four types of wipe, three channel stereo sound mixing with bass and treble EQ, noise reduction, and separate audio and video monitoring. It's available in two versions, with or without an internal time base corrector. It all sounds very impressive, but can it live up to such a promising features list?

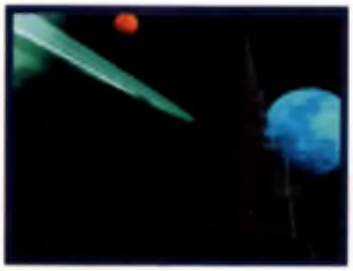
Connecting up

Getting hooked up is a simple enough affair. A lead comes with the Micro Studio to connect it to your Amiga's RGB output. The lead that came with our test model was actually too short to reach around to the back of a big box Amiga (A4000 for example), although we are assured this oversight will be rectified on units supplied to the public. Along with the Amiga, you can connect up to two video sources. These can be either S-VHS (Y/C) or composite sources, although both sources must be of the same type.

There are three sets of video outputs, plus a through port for keeping an eye on the computer graphics on another screen. The main output offers both S-VHS and composite connections, and there are two of each, giving greater flexibility for monitoring and recording. The third video output is a composite connection, which takes its signal from which ever channel is assigned to the preview monitor. This allows you to monitor one of the video sources on a separate screen, prior to fading it into the main display.

On the audio side there are two stereo line inputs (phono sockets), plus a monophonic microphone input (mini jack socket). The combination of these sounds is output through a pair of stereo phono sockets. There's also a monophonic line level phono socket which can be used to monitor any of the three separate sounds, prior to fading into the main soundtrack.

▲ Replace bright parts of video with graphics



▲ Turn night into day with another keying effect

▲ 16 April 1995 – London hit by nuclear blast. Only bidding. We mocked this up with a copy of DPaint!

And... cut!

Most Amiga genlocks overlay graphics onto a single video picture, with the option to fade the graphics in or out. In general, that's about as far as they go. This is fine if all you want to do is add some titles or logos to your video productions, but if you're serious about making your own films, you'll need more inputs, more outputs, and more features. The Micro Studio opens up far more options, giving you the power to create professional-looking videos that cut and flow neatly from one shot to the next.

Four wipes are included for transitions between the video sources. They slide one picture over the other either diagonally, horizontally, vertically, or from the top left corner of the screen. They're hardly dynamic, but can add a bit of spice when used sparingly. There's also the option to switch or fade to black and white. This can come in handy for transitions between more and colour footage, when you don't want the change to be too intrusive.

Chromakey

The main attraction for most users will be the chromakey and lumakey functions. These replace parts of the video picture of a certain colour (yellow in this case) or brightness with the image coming from the Amiga. This is brilliant for creating special effects and abstract visuals. For example, if you were to place your subject against a yellow backdrop, you could then 'key out' the back-

Hi Quality Version Available on AMIGALAND.COM

▲ The genlock features works well, handy for adding titles and credits to your productions

ground and replace it with the Amiga graphics, transporting your subject into a whole new world. Alternatively, the lumakey could be used on an outdoor shot to replace the sky with Amiga graphics or animations. Slip in a 3D rendered animation of an alien spaceship behind the skyline, and you've got an instant sci-fi epic!

You're likely to experience some fringing around the edges of your keyed subjects. This can be reduced by careful adjustment of the lighting in the video shot, and fine tweaking of the Key Adjust knob.

Genlocking Amiga graphics on top of video pictures is easily done. The background colour of the Amiga picture is cut out and replaced by the video, which shows through from behind.

Audio mixing

As part of the Micro Studio's mission to give you everything you could ever want in one box, there's a decent audio mixer built in. This offers two stereo channels and a microphone channel, each of which has its own fader. Either of the stereo channels can be assigned to the audio monitor output phono socket. This works like the monitor output on a DJ mixer, although you can't plug in headphones directly; you'll need to route it through a hi-fi or an amplifier first. Bass and treble controls allow you to tweak the overall sound, and the level of cut and boost is enough to make a substantial difference. Finally there's the noise reduction switch, designed to take out rogue frequencies picked up from camcorder microphones. Sound quality is fine, and the action of the noise reduction and tone controls is very useful.

Conclusion

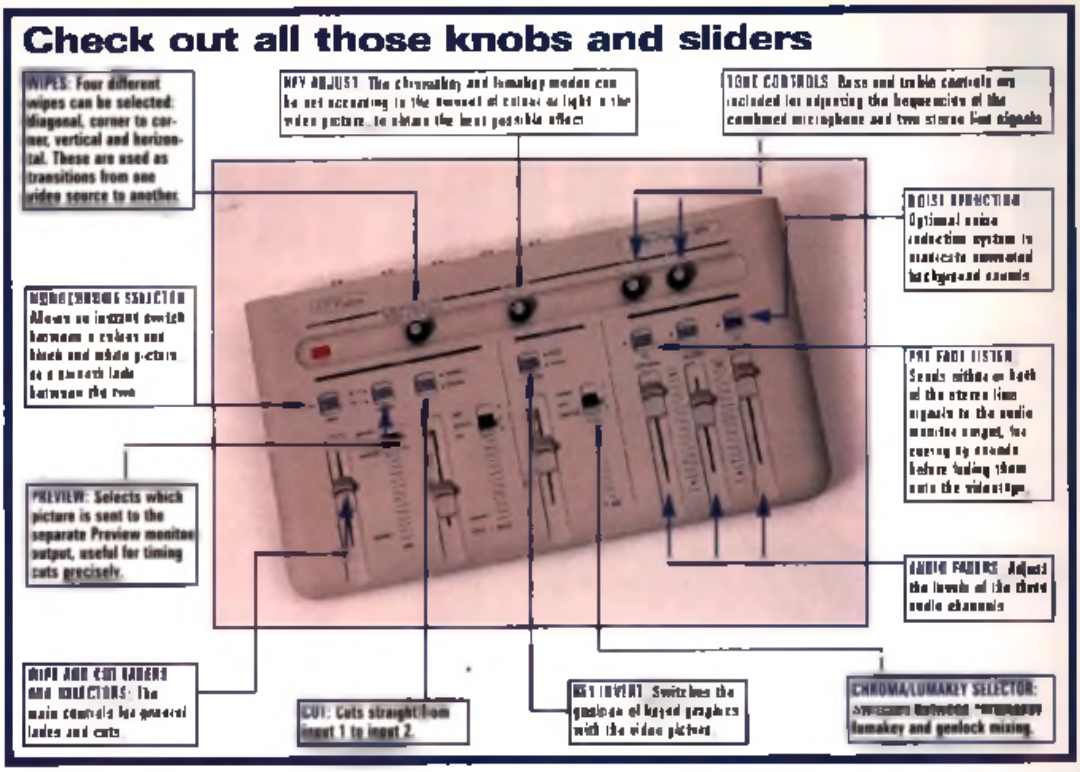
The Micro Studio certainly has some mouth-watering features, and in general, they're implemented pretty well. The 'metal effect' plastic casing is quite sturdy, and the fader travel is fairly smooth. One extremely irritating feature is that if your video source isn't assigned to the time base corrector, and there's a break in the signal (such as when a camcorder switches from camera to tape mode) your Amiga is likely to crash. If the TBC is assigned correctly, this shouldn't happen, but it's easily done all the same, especially during the setup procedure. The other problem regards compatibility with certain Amigas (in our tests, A500 Plus, A1200 and A4000). This was rectified on our second review model with a stop-gap fix, although we're assured that units shipped from now on will include this fix as standard within the box.

Those problems aside, the Micro Studio 2000 is a wonderful tool. The combination of audio and video mixing, chroma and luma key effects, genlocking, multiple wipes and stacks of inputs and outputs makes this a very powerful bit of kit. Compared to your average £200 genlock, it's not cheap, but then it really is so much more than just a genlock. The option of S-VHS and composite VHS connections gives compatibility with lower-end equipment, but also takes advantage of superior S-VHS picture quality when available. The time base corrector will be a necessary expense for those using domestic VCRs and camcorders (ie non stable sources). If you use only stable sources however, then you can save yourself some money on the overall price. A TBC can be fitted at a later date if the need arises.

The Micro Studio 2000 comes recommended to anyone who is serious about using their Amiga to produce professional looking videos. It's also worth noting that it's the only chroma/lumakey unit still available for the Amiga, as RocTec's RocKey has now been discontinued. ■

Tony Horgan

Check out all those knobs and sliders



▲ Here's another wipe in action, diagonal this time

▲ Here's one of the Micro Studio's wipes in action. The picture of the church tower is faded in from the top left corner of the screen, wiping out the original video picture beneath.

MICRO STUDIO 2000

system requirements:
Any Amiga and at least one video source (VCR, camcorder etc). (compatible with all Amigas)

ease of use	79%
[illegible]	80%
value for money	75%

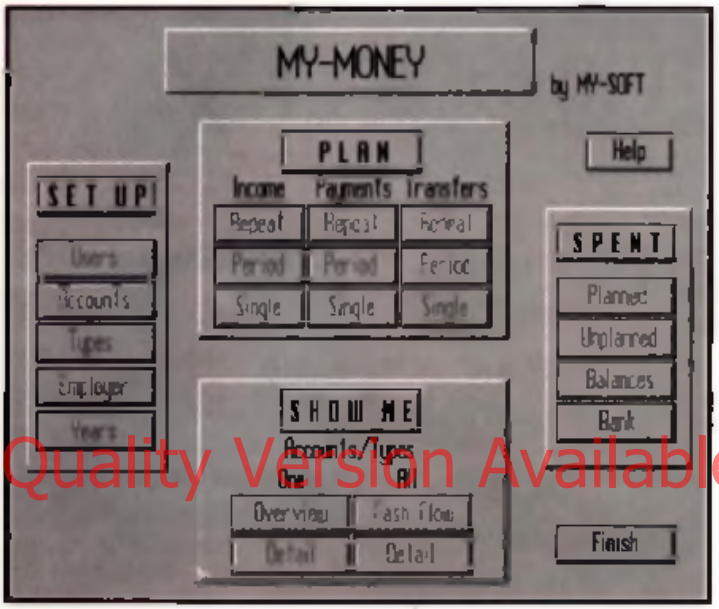
OVERALL
An extremely powerful video production tool.
78%

Hi Quality Version Available on AMIGALAND.COM

My-Money

■ Price: £25.00 ■ Developer: My-Soft ■ Supplier: My-Soft

Yet another financial planner for your income. But does this one match up to the rest?



My-Soft is a company few people will have heard of before now. In the great traditions of Amiga developers it is a small company developing affordable software.

My Money, their first program, is a financial planner. All programs of this nature work in a similar manner. They allow you to record and track your income, spending and savings. The bigger, more professional programs like *Easy Ledgers*, provide company finance management, taking into account invoices, purchase orders and so on.

But *My Money* isn't a heavyweight program. In fact it's tiny by comparison and is aimed at individuals who want to plan their own fiscal well being. It allows you to set up records of your bank balance and savings, to automatically calculate regular incoming and outgoing payments and then monitor them individually or as a whole, showing your total financial status. That's about the extent of it.

Keep it simple

What makes *My-Money* special, however, is the ease and simplicity with which you can set up, maintain and track the movement of your money. To a large extent this is because it's far more limited in what it can do, compared to the bigger alternatives. It avoids the 'features overload' syndrome suffered by similar programs. The basic range of facilities is all that it needs, and anything extra would compromise and confuse its functionality.

An example of this is the way regular transfers, payments, incomes and bills are handled. The program can keep track of your money no matter where you choose to keep it. You can set up savings accounts, current accounts, and have it regularly allocate money to your pocket.

This is something I particularly like. I've tried accounts programs before that allow you to define salary payments, and transfers to savings accounts but they fail if you forget to record when you've taken small amounts out of your account, and before long the program is completely out of sync with your actual balance.

Pocket money

With *My-Money*, however, you can have it transfer £100 a week to a 'pocket' account. If you do take more out you can of course still record it. You could do this with other programs, but the ease with which *My-Money* lets you do this seems to have an effect on the subconscious, and I found myself make an effort to keep it up to date.

Unfortunately, it's not all good news. The program has bugs, and we're not talking head lice here either, but bloody great big cockroaches that scamper across the floor. It crashed with alarming frequency, requiring a complete reboot of the Amiga. Some of the graphs were impossible to read as some of the tops of the bar graphs were outside the viewing area. Error messages appeared that were completely meaningless, and at times the program just locked up, forcing yet another reset.

Another annoying aspect about My-Money is that once you've started entering data there's no way to abort the operation or cancel it. There are hardly any cancel options. If you accidentally clicked on a payment button for instance, you'd have to enter a payment, which couldn't be deleted afterwards. This could lead to confusing account statements. More cancel options and delete functions are definitely needed if this program is to be used for anything more than on the odd occasion.

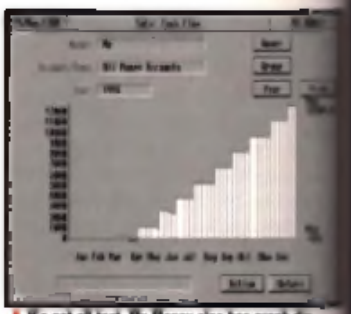
Conclusion

My-Money has the makings of a good program but until the the bugs are sorted out, I can't recommend it. I look forward to seeing a new version that overcomes these failings as it will be a very useable program. Perhaps Version 2 will do just that. ■

Andy Leaning

▲ After inputting the start and end dates for a transactions list I get an error message – time to restart.

▲ From here I see into the future and see the monthly incoming and outgoing payments I've set up.



▲ It's not all text. My-Money also has graph displays but I'd like to see more than one type of graph.

MY-MONEY

system requirements:
Any Amiga

ease of use	75%
performance	30%
value for money	40%

OVERALL
Get rid of the bugs and it would be worth having

40%

Available from

My-Soft are selling My-Money direct. Their address is 71 Springfield Avenue, Whitehaven CA28 6TT. No telephone number was available at the time of writing.

Hi Quality Version Available on AMIGALAND.COM

ACTIVE SOFTWARE

Dept CUM95, P.O. Box 151, Darlington, County Durham, DL3 8YT
Tel: (01325) 352260 enquiries@active2.demon.co.uk

BUY 10 PUBLIC DOMAIN TITLES GET 1 FREE!

Ordering Details

Public Domain Prices

Public Domain	99p
Postage on all orders	75p
Catalogue Disk	50p

Key

WB 2+	For Workbench 2 or 3
WB 3+	For Workbench 3 Only
[1Mb]	The Number of Disks
[1 MB]	Minimum Memory
[AGA]	For AGA Machines
[020]	Processor Needed
[HD]	Hard Drive Needed

Make all Cheques and Postal Orders Payable to
ACTIVE SOFTWARE

Greatest and Very Latest Utilities

Latest Demos

Games

BITS n BOBS

KLONDIKE II AGA

MAGIC WB EXTRAS

PAGERFRAM 3 UPGRADES

F1 LICENCEWARE

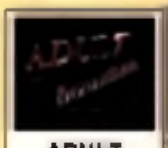
F1-14 TOTS TIME	£3.99
F1-44 BLACKBOARD v3	£5.99
F1-50 GUIDE TO AMOS v2	£4.99
F1-51 INTRO TO WBENCH	£4.99
F1-52 DIDDY 2	£3.99
F1-62 JUNIOR ARTIST	£3.99
F1-66 O.R.I.C	£4.99
F1-68 ADJANALYTA	£3.99

We Stock the FULL Range of Titles

COMPACT DISC SOFTWARE

CD02 HOTTEST 5 or HOTTEST 4 The latest compact disc from PD Soft. Loads of PD up until early Feb	£16.99
CD03 PHASE 4 - CONTINUATION 2 Phase 4 contains all of 17 Bits best PD from 1994	£16.99
CD04 VISIONS Excellent compact disc containing loads of non copyrightable images	£21.99
CD05 AMINET 1/2/3/4 SET Aminet 1, 2, 3 and 4 on one set at an amazing price!	£26.99
CD08 WS CLIPART The most popular clipart CD ever. Un-missable collection	£7.99
CD09 WS FONTS A bargain priced compact disc. Loads of Amiga fonts	£7.99
CD10 SPECTRUM SENSATIONS 100's and 100's of Spectrum games and emulators	£16.99
CD11 UTILITIES 1 - 1500 All of PD-Soft's utilities from disks 1 - 1600	£16.99
CD12 LSD COMPENDIUM VOL 2 Volume 2 in the LSD CD range. Another CD full of tools etc	£16.99
CD13 ILLUSIONS IN 3D An easy way to create stereogram images. All you need on one CD	£7.99
CD14 GOLD FISH II [Double CD] A double CD from Fred Fish. Loads of unique tools	£24.99
CD15 LIGHT ROM Loads of Lightwave objects, textures etc	£27.99
CD16 ULTIMEDIA 1/2 [Double CD] A DTP users dream CD. A double CD full of DTP material	£25.99
CD17 AMIGA DESKTOP VIDEO From Almathera. A CD designed for Video editors	£13.99

AMINET 5
Aminet 5 contains all the uploads from early Nov to early Feb 1995
Only £14.99



ADULT SENSATIONS
Speaks for itself really loads and loads of 256 colour women
Over 18's only
Only £16.99

Hi Quality Version Available on AMIGALAND.COM

EPIC SOFTWARE

Hi Quality Version Available on AMIGALAND.COM

Order Hotline:
01793 490988

Fax Order Line:
01793 514187

ORDERING BY POST
Simply send us your order, listing the items you require, the total cost and your name and address with payment either by cheque or postal order made payable to EPIC MARKETING. Most orders are despatched within 48hours.

ORDERING OVER THE PHONE
Call any time between 10am and 6.30pm Mon-Sat with your credit card details and a list of the items you would like to order.

COLLECTING YOUR ORDER
You are welcome to collect your order any time between 10am and 6.30pm Monday - Saturday.

OVERSEAS ORDERS
Overseas orders are welcome, but there is a minimum order of 3 titles and please add £1 P&P per item. Disk are £2.00 per CD-ROM title for Surface & Parking.

POSTAGE & PACKING
U.K. Mainland add a total of just 50p for floppy software.
Orders are CD-ROM titles charged.

INFORMATION
Should we not stock an Amiga title, PLEASE STATE YOU ARE OVER 18 WHEN ORDERING ANY ADULT TITLES.
Full Terms and Conditions available on request.
We do not condone the use of pornographic software.
Actual screenshots may vary between different computer versions.

VIP4-2. VIRUS KILLER SET
A two disk collection of the best virus killers available for the Amiga. An essential purchase for any Amiga user. Very easy to use.
Only £4.00

MTG7-3. MIND TEASERS
A set of 10 of the best puzzle games for the Amiga. Frustration in an addictive. Superb value.
Only £7.00

TYP3-1. TYPING TUTOR
If you want to type like a pro in part. Typing Tutor will help you.

SCF7-3. STUFF COMMODORE FORGOT
Workbench 2 & very good! A recommended buy! Includes a few things, like a virus killer, a record file manager, a menu system, a few WB games & more. £7

TXE3-1. TEXT ENGINE WP
A complete word processing package. Features all standard options like cut, paste, spell checker etc. An overall easy to use package. Only £3.00

COM8-3. NETWORKING
If you want to link your Amiga to another Amiga, this is the software for you. You can easily transfer files from one to another.

STG8-3. STARTREK GAMES
Star Trek Action/Strategy game. You take control of the, go and collect the bridge, great sounds and graphics make this a superb game. £6.00

RDS5-2. MAGIC EYE KIT
Create your own fascinating 3D stereogram pictures on your Amiga. CD includes with demo pictures, viewer and Magic Eye maker.
Only £5.00

HDT5-2. HARD DISK TOO
An essential for any hard disk owner. Includes virus killer, repairer, and many other utilities.

GRN3-1. 3D GARDEN DESIGNER
Now the wheather is nice & summer is the season, are the best way to get out of doing it is to spend loads of time designing it.
Only £2.00

FIN7-3. FINANCE PACK
Get your finances in order with this excellent package. Keep track of your income & outgoings. A food bills. Find out where all your money went each month. Only £7.00

GG10-4. 100 GREAT GA
Over 100 great disks. All the basics are here, and loads of other great games.

HWP4-2. HARDWARE PROJECTS 2
Make your own hardware and save £££. Sound samplers, midi, digitisers, Backboards etc. Packages of all that and more.
Only £4.00

MWE5-2. MAGIC WB EXTRA`S
A ten disk set of new workbench backdrops and icons to use with Magic Workbench, or any Workbench 2 or 3. Magic WB available £3. Magic WB extra's £5

WGB5-2. WORKBENCH3 BACKD
A two disk set of Workbench 3 backdrops. Very easy to use. Works with Magic WB. Blown up & stretched.

PSF7-3. COMPUGRAPHIC FONTS
Over 40 top quality compugraphic fonts for use on Workbench, PageStream, DPaint4, Wordbench2&3 etc.

WFP5-2. WORD FINDER Pro
The most powerful word search crossword solver available on the amiga. Includes a dictionary of over 58,000 words, making you certain to find

IFC7-3. LITTLE OFFICE
Word Processing
Database
Spreadsheet
Diary
The complete office suite. Includes Wordprocessor, Database, Spreadsheet and Diary. Compatible with Workbench.

BDG10-4. CLASSIC BOARD GAMES
A huge set of classic board games. Includes Monopoly, Scrabble, Cluedo, Mastermind, Chess, Backgammon, and more. Great fun for all the family. Only £10

EFB2-1. ESSENTIAL FOR BEGINNERS
If you're new to the Amiga then you may be having problems with missing libraries on your workbench but are needed to run programs. This disk contains all popular libraries, binders and other goodies.
Only £2.00

FNT7-3. FIFTY FANTASTIC
FANTASTIC FONTS
ABCDEFG
1234567
Fifty of the best fonts available. This pack also includes a powerful font editor. Compatible with Workbench, etc.

SACP30-1. XCOPY TNG
Xcopy TNG is the most powerful Amiga disk copier available. Includes software and an external disk interface for better results.
Only £29.99

DEG4-2. A1200 DEGRADERS
A selection of tools for degrading your A1200 to A600 in order to run most of the older Amiga games. You'll also be able to
Only £4.00

GFX13-10. PRO. CLIPART
A ten disk set of very high quality clipart, suitable for any Amiga DTP & graphics packages. All ten disks are

NRL4-1. NEWS MAKER
EPIC Computers
Simple to use, but comprehensive colour Desktop publishing software for any Amiga.
Program Only £4.00

PRT7-4. PRINTER TOOLS 2
Includes print manager, table creator, address keeper, printer drivers, loads of other printer tools. Knowledge of HP required for use.
Only £7.00

PRV3-1. PRINTER DRIV
CANON SEIKOSHA STAR COMMODORE
This is the most up to date and comprehensive collection of printer drivers available for the Amiga. Star, Panasonic, etc. Easy to install.

CHT5-2. CHEATS GALORE 2
Over 500 game cheats on season 2 disks for Amiga games. Most of the latest games cheats included.
All for only £5.00

GCB3-1. COMPUTERISED COOKBOOK
If you're a budding lad, Regan or Boyz, then this Gourmet cookbook will get you going.
Only £3.00

VID12-6. VIDEO TITLING
EPIC PRESENTS
AMIGA SOFTWARE SPECIAL
(C) 1995 EPIC TV
Six disks of Backdrops, Video wipes, and more. Great for making your own

QUZ5-2. QUIZ CHALLENGE
Thousands of General Knowledge questions and answers on this two disk Quiz Pack. Great fun for all the family.
Only £5.00

LKA6-3. LIONKING CLIPART
Over 130 clipart images on 3 disks of all the Lion King characters for use in any Amiga package.
Only £6.00

ABG9-5. BEGINNERS
If you're a beginner to your Amiga and want to be a bit more creative, then you'll need a few backgrounds to use in your paint packages. This disk and many more

EPIC MARKETING, FIRST FLOOR OFFICES, 138 -139 VICTORIA ROAD, SWINDON, WILTS, SN1

A collection of Amiga card games including: Poker, Craps, Solitaire, Pontoon, Blackjack Montana Gammy and more. Only £10.00

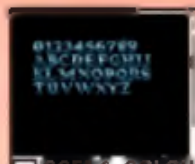
CRD10-4. CLASSIC CARD GAMES

Lottery Winner Professional attempts to predict the results of the Lottery. Every week you input the previous weeks numbers into a database. Only £5.00

LWP6-1. LOTTERY WINNER

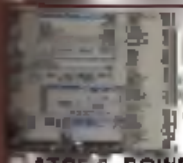
Magic User Interface will compliment Magic Workbench to enhance your Workbench even more. Knowledge of Shell is required. Only £4.00

MUI4-2. MAGIC USER INTERFACE



A set of over 50 superb professional looking colour clip fonts. Perfect for Video titling, Demo making or Desk top publishing. Great value at £5.00

CCF5-2. COLOUR CLIP FONTS 3



New collection of tools for WP5 & 6 - returns HD tools. Write to and control & graphics tools, text editor and calculator.

ATC5-2. POWER TOOLS

Another great puzzle game, this ones for the Adults, great fun.

Only £5.00

CFS5-1. CENTREFOLD SQ.

Retrieves lost or damaged files. Undelete deleted files. Repair, Salvage or Validate almost any Amiga dos disk, including Hard drives. Only £5.00

DRT5-2. RECOVERY TOOLS

This pack includes C64 GAMEBOY, BBC, VIC20, IBM, SPECTRUM SINCLAIR ATARI and other ST emulators

Only £5.00

AEP5-3. EVERY EMULATOR

A range of clipart for use with Page Setter. Dozens of subjects including : People, Animals, Vehicals, Sports etc.

Only £3.00

MPC3-1. PAGESETTER ART

Amiga Betting Shop. If you like a little bit of horse racing then, then your love this set of 4 great gambling games. Includes scheme, results etc.

Only £5.00

ABS6-4. BETTING SHOP

Girls and more girls, loads of 256 colour girly pictures, for use on the A1200 only.

All 3 disks only £6

GRL6-3. GIRLS,GIRLS,GIRLS.

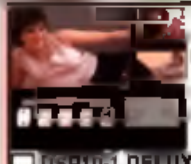
Includes GRAVITY SIM ELEMENTS TABLE UNITS CONVERTER GEOMETRIC COLOUR CREATOR EVOLUTION MODEL 2 disks for only £7.00

STS7-3. APPLIENCE OF SCIENCE

NEW VERSION..... Test your drive, memory, Keyboard, GFX chips, sound chips, speed etc.

Only £3.00

ENK3-1. ENGINEERS KIT



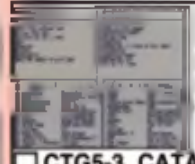
Play Poker with some of the most lovely women in the world... includes superb graphics and digitised speech! Over 14 only

Only £10.00

DSP10-1.DELUXE STRIP POKER

With this language tutor you could learn to speak any of the following languages. SPANISH FRENCH GERMAN ITALIAN & JAPANESE. only £8.00

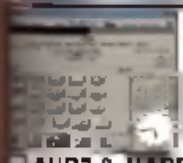
LTP8-4. LANGUAGE TUTOR



Organise your Record, CD, Video and disk collection with this superb set of cataloging tools.

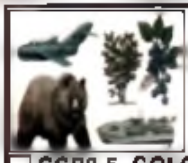
Only £5.00

CTG5-3. CATALOGUER`S



If you've just got a new Hard drive for your A1200 then this set of disks are essential. Prep and Pardoon your drive then install WB 3 100% properly. £7.00

AHD7-2. HARD DISK SETUP



A new and old set of high quality colour clipart. All the images included. OKAY on any Amiga package.

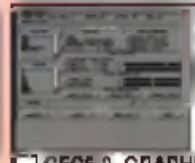
Only £9.00

CCP9-5. COLOUR CLIPART

Imagine objects of MACLAREN WILLIAMS and BENETTON Formula One motor racing cars. [4mb recommended]

Only £6.00

RTR6-3. RAYTRACED RACERS



The complete graphics manipulation and conversion suite. Supports GIF, IFF, BMP, PCX etc etc.

Only £6.00

GFC5-2. GRAPHICS CONVERTER

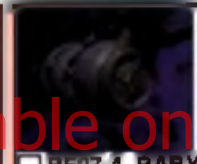
Eight all time classic arcade games, Pacman, Frogger, Asteriods, Space Invaders, Centipede, Missile command, Q-Bert, & Omega race. Great value for money. Only £5.00

ARC5-2. ARCADE CLASSICS2

Whether you're a complete beginner at chess or a champion JI Chess has something for you. Superb graphics and sound.

Only £5.00

JIT5-2. CHESS & TUTOR



Includes Lightwave scenes & objects of the Delta fighter, Soul Hunter, two Vorlon space craft, B5 Station, two space stations, large space suit.

£7.00

BF07-4. BABYLON 5

SPEC 3 SPECCY EMULATOR & 50 GAMES £5
SPG 5-7 100 CLASSIC SPECCY GAMES £15
SPG 8-10 400+ SPECCY GAMES + EM £25
CDSPS3 SPECCY SENSATION CDROM £20

SPECTRUM STUFF

Password & file encryption tools. Put a password on your computer so it's unreadable to anyone else. Not for the complete beginner.

£10.00

PSW10-4. PASSWORD SET

Over 50 superb quality Eye catcher clipart images for use in any Amiga package.

Only £4.00

EYC4-2. EYE CATCHER CLIPART

Hi Quality Version Available on AMIGALAND.COM

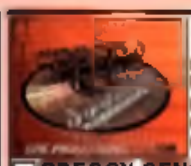
AMIGA CDROM TITLES

*TITLE MAY NOT BE AVAILABLE AT TIME OF GOING TO PRESS

Over 600mb of Imagine & lightwave objects, textures, Animations, Picture files, Postscript fonts, Colour fonts, etc.

Only £19.99

GFX SENSATION Vol.1



Includes over 500 of the classic spectrum games on one CD for CD32 CDTV Zappo etc. Includes actual Speccy emulator.

Only £14.99

SPECCY SENSATION CD

All 21 volumes of the Encyclopedia on one CD. Includes over 2000 life like pictures and sound files. *Why fill a shelf when you can fill your mind?* Only £29.99

GROLIER ENCYCLOPEDIA

Every arcade classic you could think of. Invaders, Pacman, Asteriods, Frogger, Q-bert, Missile command, Tempest, Centerpede and loads more.

£9.99

*ARCADE CLASSICS CD

Over 600mb of Adult images for use on Amiga or PC. OVER 18

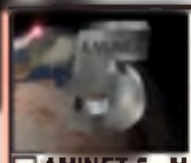
Only £19.99

ADULT SENSATION CD

Lucky dip version one contains a vast range of games, demos, clipart, tools, samples, modules etc.

£5.00

LUCKY DIP CD Volume One



The latest release from the Aminet series, contains, hundreds of tools, demos, objects etc.

Now only £14.99

AMINET 6 March/April '95

All the best and most useful tools for your Amiga. Includes Hundreds of essential utilities.

Just £9.99

*ESSENTIAL UTILITIES Vol.1

*T.F.M!! The Startrek Multimedia CD, contains: Animations, Sound samples and hundreds of pictures.

Only £27.99

STARTREK MULTIMEDIA CD

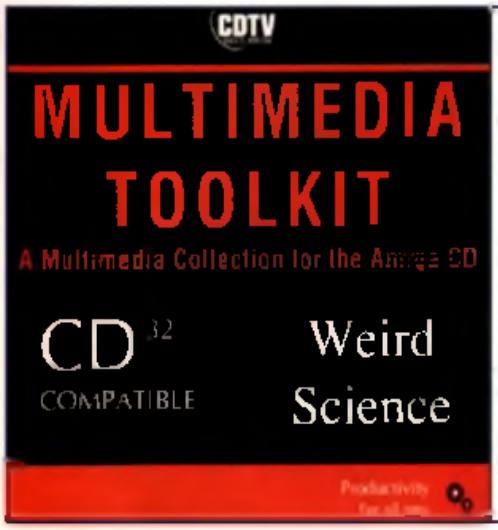
The biggest ever selection of Clipart available EVER! Colour + B&W IFF, EPS, Pagestream, GIF, PCX, BMP, TIF, Pagemaker, WMF. Over 50 categories. DOUBLE CDROM.

A bargain at just £17.99

WORLD OF CLIPART CD

EPIC MARKETING, FIRST FLOOR OFFICES, 138 -139 VICTORIA ROAD, SWINDON, WILTS, SN1 3BU.

A Whole Lo



Multimedia Toolkit

AMIGA

Many of the CDs that we've looked at in previous issues have been let down by poor front ends. Most CDs give you nothing more than Workbench, leaving you to fumble your way around the contents trying to find programs to load the files and figure out strange meaningless file names.

However the Multimedia Toolkit is different. It features a simple menu-driven program that allows you to pick the type of file you want to work with: images, samples, demos etc. Click on this and a list of corresponding files pops up, click on the file and then on an action button (view for instance) and hey presto there's the file. Wonderful!

Multimedia Toolkit also contains a wodge of reasonable quality fonts, colour and mono clip art, music modules, and samples which are accessed via Workbench. In brief, this isn't the biggest or best collection, but it certainly is the easiest to use.

Weird Science, 1 Rowlandson Close, Leicester LE4 2SE.
Tel: 0116 234 0682 Price: £19.95.

76%

The Beauty of Chaos

AMIGA

Hi Quality Version Available on AMIGALAND.COM

If you like fractals you'll just fall in love this disk because it's filled with nothing but fractal images. Some of them are impressive, some are rather dull. There are 507 pictures in all of the mandelbrot set. These are saved in mainly IFF or GIF formats and a viewing program is supplied on the disk.

However, we had problems opening many of the GIF files in any Amiga GIF reading graphics program. There are also a number of TIF files on the disk, should you want to see the fractal in more colours (the GIFs store pictures with just 256 colours).

It would have been nice to see a collection of fractal generators on the disc as well letting you explore the world of fractals yourself. And maybe some fractal animations, let's face it we're not pushed for space are we! Not having these on the disc is definitely a missed opportunity. Still if you're into this kind stuff you'll love it, otherwise avoid.

PD Soft, 1 Bryant Avenue, Southend-on-sea, Essex SS1 2YD.
Tel: 01702 466933. Price: £19.99.

70%

Imagine Enhancer

AMIGA

This disc offers a wonderful collection of fonts, attributes, backdrops, and objects for *Imagine*. There's also a gallery of wonderful pictures all produced with *Imagine*. The disc holds roughly 400 new attributes, 25 fonts, 10 image backdrops, eight reflection maps and 12 vehicles. This isn't much, compared to some of the CDs available, but the detail in the objects, the quality of the attributes and the definition of the fonts makes it worth having. The biggest problem with this disc is that many of the file names are in German (particularly drawers – Binar Welken, etc aren't exactly helpful) but it won't take too long to figure out what they stand for.

If you use *Imagine* this disc is definitely worth having. If, however, you work with a variety of rendering programs (*LightWave* and *Real3D*, for instance) then the Amiga 3D Raytracing volumes reviewed in the March issue) or the 3D Arena disc (see opposite page) are probably better bets as the offer objects, textures and files for the other Amiga rendering applications in addition to *Imagine*.

Gordon Harwood, New Street, Alfreton, Derbyshire DE55 7BP
Tel: 01773 836781. Price: £49.95.

87%

tta CDs

Another month has crept up on us and sure enough another batch of CDs arrive in the CU Amiga offices.

Art Backgrounds Collection A

One of the problems with many CD clipart collections is that the authors cram the disc with loads of images, and in the race to fill the disc grab images from anywhere, often sacrifice quality for quantity. Serious users, however, want quality, not quantity. A better approach would be to cut the number of images, ensuring each one is well scanned, supplied at decent resolution and cleanly edited.

Field of Vision have taken just this approach with their Art Backgrounds disc, it contains just 60 pictures all of which are very well produced. The images supplied are mainly colour tones, atmospheric effects and washes. Each image is supplied in a variety of resolutions (from 128 by 192 to 2048 by 3072) so you won't need to resize them (losing quality in the process) too much. The only downer to the disc is that the images are in PhotoCD format so you'll need to something like *PhotoGenics* to use them. If you're looking for a collection of professional, high quality, abstract, backdrops get this disc.

Field of Vision, 45 Beversbrook Road, London N19 4QQ.
Tel: 0171 263 5064. Price: £40.

AMIGA MAGAZINE

91%

CD Clipart

In recent months I've seen bucket loads of CDs claiming to offer professional clipart for DTP users but in reality offer nothing more than a rather crap collection of black and white, low resolution, pictures.

On loading this disc however I was pleasantly surprised. This disc contains bitmap images, structured images and EPS files. The structured clip art is in the form of ProClips for *ProDraw*, handy for this month's coverdisk. There's also a collection of *CorelDraw* images (not very useful for an Amiga owner)!

The real surprise, however, is the bitmap images. As usual there's a collection of black and white pictures but there's also a large number of Amiga painted colour graphics. This are all impressive quality, looking much like the painted images to be found in old style encyclopedias.

For DTP orientated users the Weird Science Clipart disc is well worth having.

Weird Science, 1 Rowlandson Close, Leicester LE4 2SE.
Tel: 0116 234 0682. Price: £9.99.

Hi Quality Version Available on AMIGALAND.COM

AMIGA MAGAZINE

85%

3D Arena

Almathera have been doing CD discs for a while now, ranging from Aminet collections to professional clip art discs. Their latest CD is yet another collection of objects for 3D rendering packages.

3D Arena provides a collection of objects and textures for *LightWave*, *Imagine*, and *Real3D*. There are also files for *3DStudio* and *DXF* if you happen to have access to these PC based rendering programs.

The objects are of impressive quality, and certainly up to the mark we've come to expect of Almathera products recently.

The textures are also very tasty, although I'd like to have seen some more innovative textures: marble, wood, stone etc are a bit common these days.

We'd probably buy this disk because it's got some useful objects on it, although, in our opinion, there could have been a greater variety and choice of textures.

Almathera, Southerton House, Boundary Business Court, 92-94 Church Road, Mitcham, Surrey, CR4 3TD
Tel: 0181 687 0040. Price: £24.95.

AMIGA MAGAZINE

79%

DELTRAX PUBLIC DOMAIN AND SHAREWARE LIBRARY

Tel/Fax 0492 515981 THE VERY BEST PROGRAMMES FOR AMIGA & IBM P.C

EST. 1991

Hi Quality Version Available on AMIGALAND.COM

UTILITIES

BUSINESS

COMMUNICATIONS

EMULATORS

PRINTER DRIVERS

HOBBIES

HARD DRIVE UTILS

GRAPHICS

MUSIC UTILITIES

EDUCATION

PROGRAMMING

VIDEO WORK

VIRUS HELP

COLOURED CLIPART

COPIERS

QUALITY CLIPART

A1200

CLR LICENCEWARE

EDUCATION

- CLR09 NIGHT SKY £3.95
- CLR10 BASICALLY AMIGA (3 disks) £5.95
- CLR15 FAST FRET
  Learn scales on guitar £3.95
- CLR38 SOLAR SYSTEM 2 (2 disks) £5.95
- CLR48 BASIC HUMAN ANATOMY £3.95
- CLR47 SEA SERIES £3.95
- CLR[illegible] £3.95
- CLR51 PAINT PASTE & DRAW
  Colouring book £3.95
- CLR[illegible]BASIC £3.95
- CLR[illegible]C. STARS & GALAXIES (2 Disks) £5.95
- CLR[illegible]SOUND ANIM STATION (2 disks) £5.95
- [illegible] £5.95
- [illegible] £4.95

UTILITIES

- CLR69 TYPING TUTOR £3.95
- CLR08 PLAY & RAVE 2
  Music module trilogy (2 Disks) £5.95
- CLR16 POWER ACCOUNTS
  Keep track of expenses £3.95
- [illegible] £3.95
- [illegible] £3.95
- CLR[illegible]INVOICE MASTER £3.95
- [illegible] £3.95
- Make adventure games £3.95
- CLR32 POWERTEXT 2
  Word processor £3.95
- [illegible] £3.95
- Type programs £3.95
- CLR36 ILLINOIS PROFESSIONAL
  Fish/stamp/[illegible] £3.95
- CLR37 FIND IT Super directory £3.95

GAMES

- CLR09 DRAGON TILES
  Tile puzzles £3.95
- CLR[illegible]
  Graphic adventure £3.95
- CLR28 TIME RIFT
  Platform adv £3.95
- CLR26 ODY
  Cavernoid £3.95
- [illegible]
  3D role play D+D type £3.95
- CLR34 VIKING SAGA
  Graphical strategy £3.95
- CLR40[illegible]
  Graphic adventure £4.95
- [illegible] £3.95
- CLR54 NATIONAL HUNT
  racing £3.95
- CLR61 WORLD CUP MANAGER (3 disks)
  from qualifiers to final £5.95

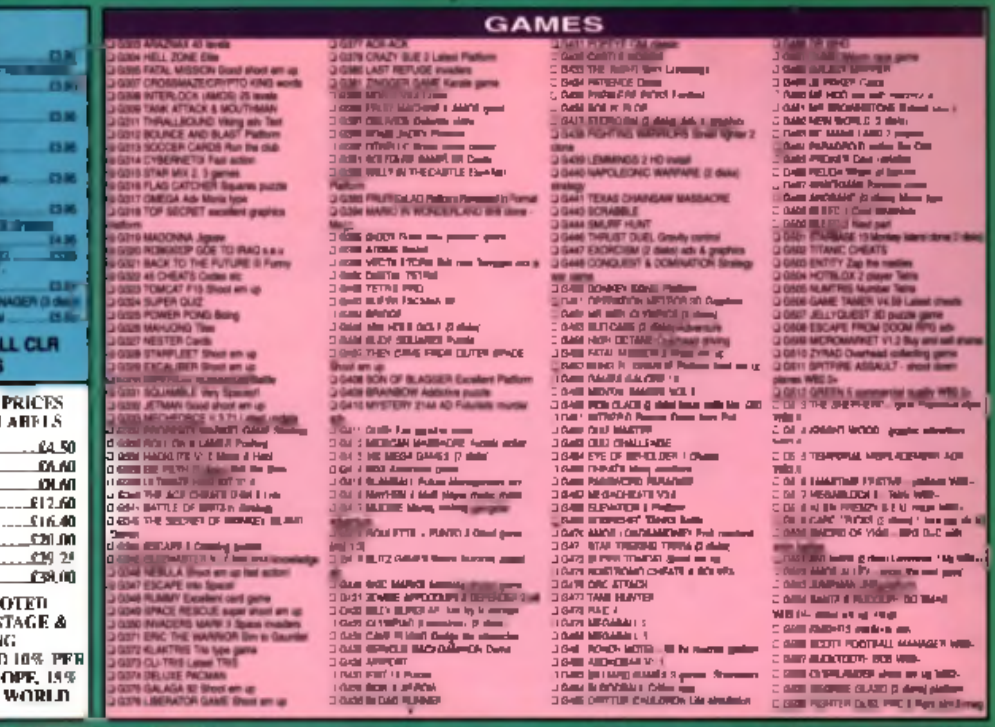
WE STOCK ALL CLR TITLES

BLANK DISK PRICES INCLUDING LABELS

10 DISKS	£4.50
15 DISKS	£6.60
20 DISKS	£8.60
30 DISKS	£12.60
40 DISKS	£16.60
50 DISKS	£20.00
75 DISKS	£29.25
100 DISKS	£39.00

PRICES QUOTED INCLUDE POSTAGE & PACKING
IN THE U.K. ADD 10% PER ORDER IN EUROPE, 15% FOR REST OF WORLD

GAMES



BOULDERDASH

Hi Quality Version Available on AMIGALAND.COM

CD SELECTION

☐ CD1 - 17 BIT COLLECTION (2 CD'S)	£29.95	☐ CD33 - AMINET 3	£19.99	☐ CD65 - VISIONS	£24.99
☐ CD2 - 17 BIT CONTINUATION	£19.99	☐ CD34 - MEETING PEARLS	£9.99	☐ CD66 - AMINET 4	£19.95
☐ CD4 - SOUNDS TERRIFIC (2 CD'S)	£19.99	☐ CD35 - VISIONS	£29.99	☐ CD67 - 17 BIT LIBRARY 4	£19.95
☐ CD5 - GOLDFISH 1 1000 (2 CD'S)	£29.95	☐ CD36 - THE CU USERS GROUP	£19.99	☐ CD68 - TOWN OF THE TUNES	£24.99
☐ CD7 - CD32 LINK UP INTERLEAD WITHOUT LEAD	£34.95	☐ CD37 - GOLDFISH 2 (2 CD'S)	£29.99	☐ CD69 - ILLUSIONS 3D	£9.95
	£14.99	☐ CD38 - SENTIMENTAL WINGS	£24.99	☐ CD70 - SPECTRUM SENSATIONS	£19.95
☐ CD8 - PROFESSIONAL UTILS 1500	£19.99	☐ CD39 - TRAVEL ADVENTURE	£24.99	☐ CD71 - POWER GAMES	£19.99
☐ CD9 - AMOS CD	£19.99	☐ CD40 - EAST ASIAN	£24.99	☐ CD72 - ULTIMEDIA 1 & 2 (2 CD'S)	£29.99
☐ CD11 - SPACE & ASTRONOMY	£19.99	☐ CD41 - FROZEN FISH	£ 9.99	☐ CD73 - ADULT SENSATIONS	£19.99
☐ CD12 - PROJECT GUTENBURG (NOV 94)	£19.99	☐ CD42 - FRESH FISH 6	£ 9.99	☐ CD74 - DESKTOP VIDEO	£14.95
☐ CD13 - EUROSCENE	£14.99	☐ CD43 - FRESH FISH 7	£19.99	☐ CD75 - EMERALD MINES	£ 4.99
☐ CD14 - MULTIMEDIA TOOLKIT 2	£19.99	☐ CD44 - WELCOME TO AFRICA	£24.99	☐ CD76 - FRESH FISH 8 (2 CD'S)	£24.99
☐ CD20 - MULTIMEDIA TOOLKIT	£19.99	☐ CD45 - HOME BEER BREWING	£24.99	☐ CD77 - FRESH FONTS	£19.99
☐ CD21 - SOURCE CODE	£19.99	☐ CD46 - THE LIGHT ROM	£29.99	☐ CD78 - WEIRD SCIENCE ANIMS	£ 9.99
☐ CD22 - PROJECT GUTENBURG (NOV 94)	£19.99	☐ CD47 - LSD COMPENDIUM	£19.99	☐ CD79 - LSD TOOLS 3	£ 9.99
☐ CD23 - IT'S FRACTAL FRENZY	£19.99	☐ CD48 - THE CU USERS GROUP	£19.99	☐ CD80 - HOTTEST 5 (WITH BOOK)	£ 9.99
☐ CD24 - INTERNET INFO	£19.99	☐ CD51 - NIGHTDAWN 12	£19.99	☐ CD81 - HOTTEST MUSIC EFFECTS	£ 9.99
☐ CD31 - TOWN OF TUNES	£24.99	☐ CD52 - PROFESSIONAL TIFF & PCX	£19.99	☐ CD82 - GRAPHICS SENSATION	£19.99
☐ CD26 - ILLUSIONS 3D (COMING SOON)	£9.99	☐ CD53 - PROFESSIONAL GIFS	£ 9.99		
☐ CD27 - EXPRESS PD GALORE	£19.99	☐ CD54 - PROFESSIONAL IFF & PCX 2	£24.99	PLEASE ADD:	
☐ CD28 - POWER GAMES	£19.99	☐ CD55 - GOLD FISH 2	£29.99		
☐ CD29 - MULTIMEDIA 1&2 (2 CD'S)	£29.99	☐ CD56 - AMOC 2 & 3	£24.99	£1.00 P&P PER CD IN U.K.	
☐ CD30 - AMINET PER 94	£19.99	☐ CD57 - HOTTEST 4	£19.99	£2.00 P&P PER CD IN EUROPE	
☐ CD31 - AMOC CD1	£19.99	☐ CD58 - PROFESSIONAL UTILITIES	£19.99	£3.00 P&P PER CD R.O.W.	
☐ CD32 - AMOC 2&3 (2 CD'S)	£24.99				

DELTRAX PD (CU),
36 Bodelwyddan Ave,
Old Colwyn
Clwyd LL29 9NP

Catalogue Disk £1.00 inc. P&P
Printed Catalogue 50p inc P&P

Note: Prices are per disk not per set

Disk Prices:
£1.10 Each UK
£1.20 Each Europe £1.40 Each R.O.W.
Prices Include 1st Class Postage
For Every 10 Disks You Buy
Choose 1 Extra FREE!

Fast Friendly Service
Please Make Cheque/Postal Orders
Payable to "Deltrax PD"
Overseas Orders Welcome,
Payable in Sterling Please

DEPT (CU) CLIP & POST

Name .....
Address: .....
.....
.....Postcode: .....Tel: .....

Which Paint

Which is the best paint package when it comes to drawing pictures on a blank page? CU Amiga Magazine goes on a mission to find out.

Creating a picture from scratch is still one of the most satisfying methods of producing computer art. We took the Amiga's four leading paint packages, *Photogenics*, *Deluxe Paint*, *Personal Paint* and *Brilliance* looked at them from the point of view of an artist who wants to paint a picture with nothing more than the mouse, the Amiga, and the software. No fancy scanning tools, no ray-traced texture mapped backdrops, and no composition of digitised video images.

Tools of the trade

All four packages are based around a set of basic drawing tools. We start our test with a comparison of the main tools available to the artist.

Curves

Photogenics doesn't have any curve drawing tools. Curves must therefore be drawn by hand. In certain situations it's possible to use the ellipse and circle functions, discarding the unwanted parts to leave a curve, although this is usually more trouble than it's worth.

Brilliance and *Personal Paint* both have options for normal curves and bezier curves. Bezier curves are drawn using four points instead of three, allowing lines to be bent through any angle. *Deluxe Paint* settles for normal three-point curves.

Undo features

The undo function is essential for correcting mistakes.

Photogenics uses a strange kind of undo system. Permanent changes to the picture aren't made until you click on the Fix button. This allows you to draw for a few minutes (or as long as you like), and then if you're not happy with it, you can delete the whole of the last few minute's work by clicking Undo. You can't undo any changes until they've been fixed. Depending on how you like to work, this can be either a pain in the backside, or quite handy.

The best solution is again offered by *Brilliance* and *Personal Paint*. They both offer multi-level undo/redo. On both programs you can set the number of levels and amount of memory available for the undo. If you have enough memory, these undos can take you back for miles. Once you've used them you'll never want to use anything else.

Deluxe Paint is quite basic on this front. It will undo the last operation only, which can be very limiting. If you are drawing with the icon bars turned off, and then turn them back on to access the Undo button, that key press counts as the last operation, so the Undo does nothing. The way around this is to use the U key to undo when the icon bar is hidden.

Filling areas

The ability to fill an area with a colour, an image or a pattern is essential for any paint program. *Photogenics*' best aspect when it comes to filling, is the variable tolerance level. This allows you to fill all pixels of a similar colour, rather than only those of exactly the same colour. Otherwise, filling an area of a 24-bit picture would be impossible. However, that's the only frill you get with the fill options.

Brilliance is very good at filling areas with brushes. It can stretch a brush to fit the size and dimensions of any shape. Its gradient fills are quite good too.

Personal Paint has the most useful gradient fill available. Its Shape gradient was used to produce the seats in the picture of the car, and took me about two minutes. The gradients also have the smoothest dithers of any 256 colour package (*Brilliance*'s dithers are pretty much its equal). However, these are *Personal Paint*'s only advantages when it comes to fills. It has no circular fill, no angled linear fill, and no decent brush fills.

Palettes

Palette and colour range selection is another important factor. In order to set up a decent gradient from one colour to another you need

The contenders

PHOTOGENICS 1.1
The new boy of Amiga graphics, Photogenics is a 24-bit paint and image processing system. Looks like a hot contender with its many simulations of natural drawing mediums.

BRILLIANCE 2
The favourite of many Amiga artists, developed as a direct rival to DPaint.

▲ Photogenics 1.1 – looks "convenient" artists with its many simulations of real life painting materials

▲ Brilliance 2 – acclaimed for its speed and usability

Speed and special effects are Brilliance's strong points.

PERSONAL PAINT 6.1
Personal Paint has found many fans thanks to its speed and flexibility.

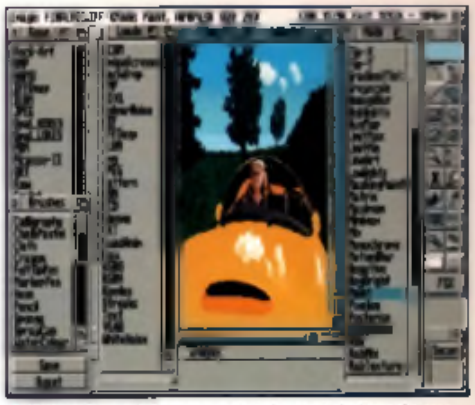
DELUXE PAINT IV AGA
It's long been the favourite for most Amiga painters, but has recently lost ground to increasingly sophisticated competition. *DPaint 5* may reverse this.

Hi Quality Version Available on AMIGALAND.COM

t Package?

▲ Photogenics has one of the best palette selectors, using a combination of a 24-bit colour wheel, and a menu of commonly-used preset hues.

▲ Personal Paint shows off some of its many image processing options. It can even turn images into Magic Eye pictures.



▲ Photogenics works in a system of windows, which allows the user to completely customise the look of the various control panels.

to define the colours, and set them up as a range.

Photogenics uses the whole 24-bit palette at all times, so there's no need to define a 'sub palette'. However, it has one glowing feature, its long list of predefined colours such as apricot, midnight blue and forest green.

Brilliance has a nice simple palette, and the range selector is OK.

Personal Paint lacks some of the range functions but it has a few tricks up its sleeve. Foremost is the fact that it shows RGB and HSV functions at the same time. It also has better colour spread options, palette merging and colour reduction.

DPaint used to have a really easy range selector (prior to Version 4), which only needed start and end points to be picked. Now you have to pick up each colour and place it on a line, which is limited to 64 colours. The palette is simple enough though.

Image processing

Image processing is the use of special effects to alter parts of a picture – effects such as blurring, sharpening and false colouring. Image processing has been used extensively to produce all kinds of effects. The woman's face and hair (above) went through several darkening processes to produce the heavy shadow effect. The trees were blurred to produce a better motion effect. The road behind the windscreen was darkened to account for the effect of the glass.

Photogenics is primarily an image processor, so it scores pretty well here. It has a mass of processes available, which can be used as the 'paint mode'. If you decide you don't like the effect you just used, you can change it to another before it's actually 'fixed' onto the image.

Brilliance has some image processing, though it's strictly limited. All of its processes are set and cannot be adjusted or fine tuned. This is definitely a major downside.

Personal Paint scores best out of the traditional paint packages. It is the original cross-breed. It has image processing features to write home about. It can do anything from tinting to producing a stereo image random dot 'magic eye' picture. All of the processing can be adjusted to your heart's delight. They work well and you will certainly use them extensively. There are some annoying exceptions like anti-alias, pixelise and texturing, but it makes up for this by letting you edit the functions or even create your own from scratch.

Deluxe Paint dies in this section. It has hardly any image processing features. Tint, anti-alias and transparency are the only notable ones. All of them are really basic.

User interface

Ease of use is just as important as advanced features, especially when it comes to keeping the creative juices flowing.

Photogenics almost certainly has the best front end. Everything is in windows including the picture being worked on. This means you can drag things out of your way easily. It also has lots of really neat features, like the screen selector which holds a small cameo of all the pictures currently loaded. Move a cameo to the second box and you can rub bits of it through onto your main image or use it as a texture. It does still have a fair amount locked away in the pull down menus, which is a pity as this is the only use it makes of the right hand mouse button.

Brilliance has a user interface that's been designed from the ground up. Initially the program is a major pain to convert to. After a while you get kind of used to it and although I doubt I'll ever love it, it does have its advantages. Chief amongst those is that there are no pull down menus. This makes navigating the program so much easier. It also has a little box which constantly tells you what you are pointing at. Neat. The biggest pain for me was the way the menus obscure the screen until you switch them off.

Personal Paint has a similar front end to *Deluxe Paint*. Almost. The major difference is that *Personal Paint* works the way *Deluxe Paint* should. The whole thing feels responsive, the menus are all clear and everything happens quickly. The windows can be dragged around the screen so that you can see what they are affecting. It is modern whilst still being traditional. Anyone familiar with *Deluxe Paint* will pick it up instantly and after a few days be completely hooked. Most of the keyboard short-cuts are the same as *Deluxe Paint* too, accelerating conversion.

By comparison *Deluxe Paint*'s user interface is old, cranky and worn out. Far too many options are hidden at deep level within some menu or other. It's still not too far behind most of the others though.

Natural media

The latest fad in computer art programs is 'natural media'. This means airbrushes which work like real airbrushes, chalk which leaves little flaky bits on the paper and watercolours which saturate and almost run.

It also means having the screen behave like canvas, paper, blackboard or another real world surface.

Photogenics is the only one to have these simulated pen and paper types. They work best in high resolutions. If your pictures are going to be rendered in HAM-6 or HAM-8, the fringing can be more obvious in lower resolutions. However, with a bit of practice, some realistic effects are possible.

Deluxe Paint 5 promises some of these. Our October 1994 cover disk demo version of DPaint 5 allows you to try these out. They use IFF brushes as texture guides, to give the impression of painting onto various surfaces. It's a rather crude system, but can actually work quite well, and has the advantage of allowing the user to create his own, simple by saving out custom brushes into the relevant *DPaint* directory. Neither *Brilliance* nor *Personal Paint* offer these features.

High Quality Version Available on AMIGALAND.COM

And so we have the results

Photogenics 1.1

Producing the drawings in this feature with *Photogenics* wasn't be tricky. It differs from the other three packages in that it's not a 'what you see is what you get' program. If you want to be able to specifically define each pixel in the picture, you'll have a hard time of it, as you're always painting onto a representation of the actual 24 bit picture.

However there's so much you *can* do with *Photogenics* that is impossible with the others. Top of the list are the simulations of different pens and brushes, which allow very subtle shades to be added with little fuss.

Photogenics is best suited to the artist who wants to output images to high resolution 24-bit systems. If you want to design a title screen for your latest game or demonstration, you'll probably be better off looking elsewhere.

Deluxe Paint 4.1 AGA

Everyone uses Deluxe Paint, don't they? In many ways, it's started falling behind the opposition, and the delayed release of Version 5 hasn't helped that. Nevertheless, it didn't get where it is today without being a damned fine program!

In its favour, it's the standard that all the others have had to live up to. While it does get beaten by the competition in quite a few areas, no one package can boast all of its features. *DPaint* has always been a favourite for Amiga artists, and will continue to be for the foreseeable future.

Once Version 5 hits the shelves (it's due out any day now), it should consolidate its position. A bit slow, a bit quirky, but still up there with the best.

Personal Paint 6.1

Personal Paint has some of the best features of the lot. The user interface is remarkably free of clutter. The image processing is remarkably useful. The ability to edit the image processing functions gives it even more flexibility. Its automatically scaled magnification is very handy. You drag a box over the area you want, and the magnification is calculated appropriately.

Colour reduction and palette merging prove to be incredibly useful too. Multiple brushes changed by a single key press are invaluable. It also has a virtual memory function which seems impossible to live without once you have used it.

Personal Paint may lack certain features from the others but makes up for it by being the best workhorse. It's especially good if you're upgrading from *Deluxe Paint*.

Brilliance 2.0

The star of the computer press, *Brilliance* is somewhat different from the others. It comes close to *Personal Paint*'s usability but not quite close enough for my liking. The menu system it uses is a big step in the right direction but is a long way from reaching its target. It just gets in your way a little too often.

Otherwise, this is the program to go for if you like plenty of features at your fingertips. Almost anything *Deluxe Paint* can do *Brilliance* can do better. It has multiple brushes like *Personal Paint*. It also has the best brush handling. Its ability to fill a shape with a brush is the best I've ever seen.

If you need an art package but can only afford one, *Brilliance* should be it. It can do almost anything. It's a long way from being an ideal tool, but it has the best combination of features and usability.

The bottom line

So which one of these well known paint packages comes out on top after all this extensive testing? Can you stand the suspense? Well, just for you here are the results at last, in descending order we have:

1. **1. Personal Paint 1.1**
2. **2. Brilliance 2**
3. **3. Deluxe Paint 4**
4. **4. Photogenics 1.1**

Andre Digard

Hi Quality Version Available on AMIGALAND.COM

▲ Deluxe Paint zooms in on the woman's face. Not as good as Personal Paint but still functional.

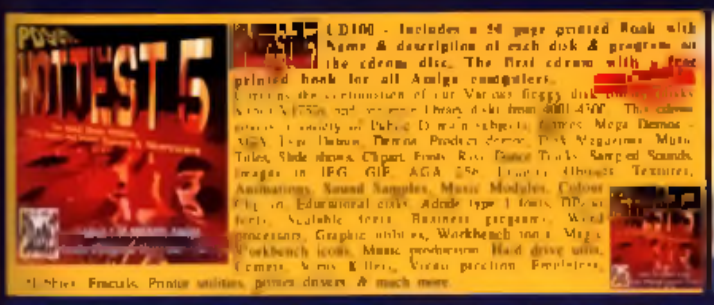
▲ Deluxe Paint's many and varied fill options. It can even wrap a brush around an object.

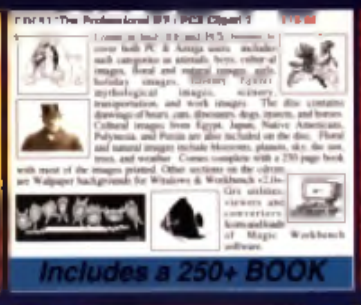
▲ Personal Paint shows you how a Bezier curve works. The most essential tool a paint program can have?

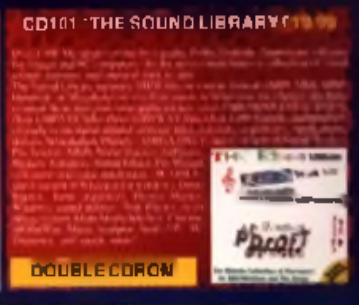
▲ Use Personal Paint's colour palette is just the job for creating bright and cheery pictures.

▲ Just some of Personal Paint's many image processing tools. Far from being a toy, they can transform even a dull picture.

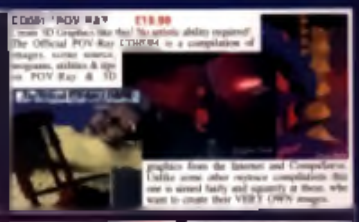
▲ A good example of how a menu should be. Personal Paint shows a clear and neat gradient window.

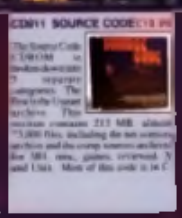


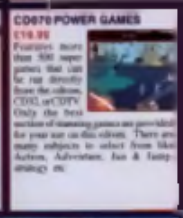


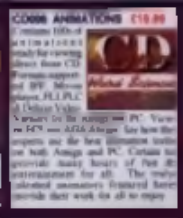


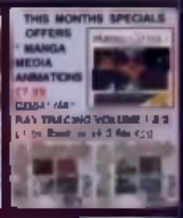
CDROM SOFTWARE

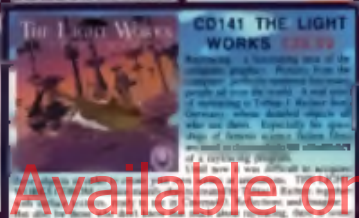


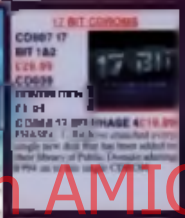


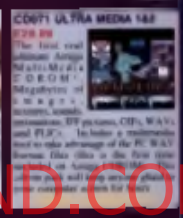




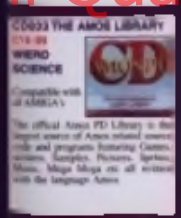


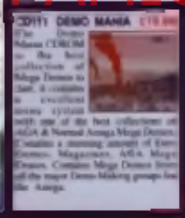


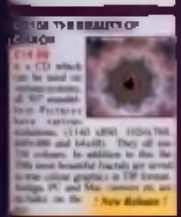


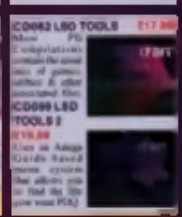


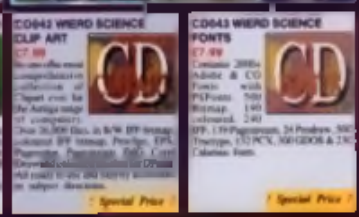
Hi Quality Version Available on AMIGALAND.COM

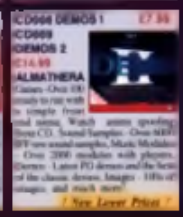


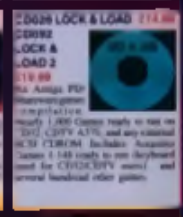


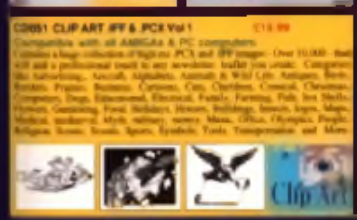


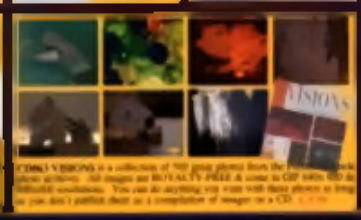




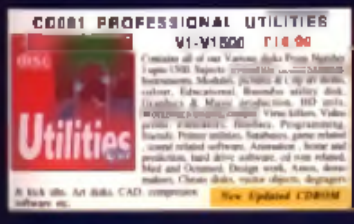


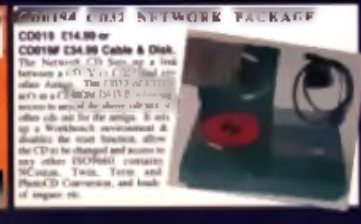


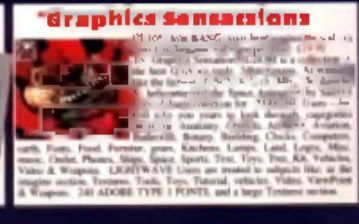




Tel (01702) 466933 Fax 617123
PDSOFT - 1 Bryant Avenue, Southend-on-sea, ESSEX, SS1 2YD. UK







SOFTWARE 2000

We stock over 6500 QUALITY PD & SHAREWARE

ALL OUR PD DISKS ARE

99P

NO MINIMUM ORDER

OVERSEAS POST & PACKAGE RATE
(Europe add 20p per disk for P&P)
(Worldwide add 50p per disk P&P)

How to order

To order any disk just write the disk title and the disk code, EG U01 Agene. Some title have a number in ( ) this means the title comes on (x) number of disks. To order PACK just write down the pack TITLE name will do.

ALL DISKS ARE COMPATIBLE WITH ALL AMIGAS UNLESS STATED

AGA Disk means for A1200/A4000 only

Price.....99p per disk

Please add 70p to total for postage & packaging

Pack price as stated. All Orders Same Day Despatches
For the very latest catalogue disk please add 70p

MAKE CHEQUE/POSTAL ORDER PAYABLE TO: SOFTWARE 2000
SEND TO (ADDRESSES TOP RIGHT)

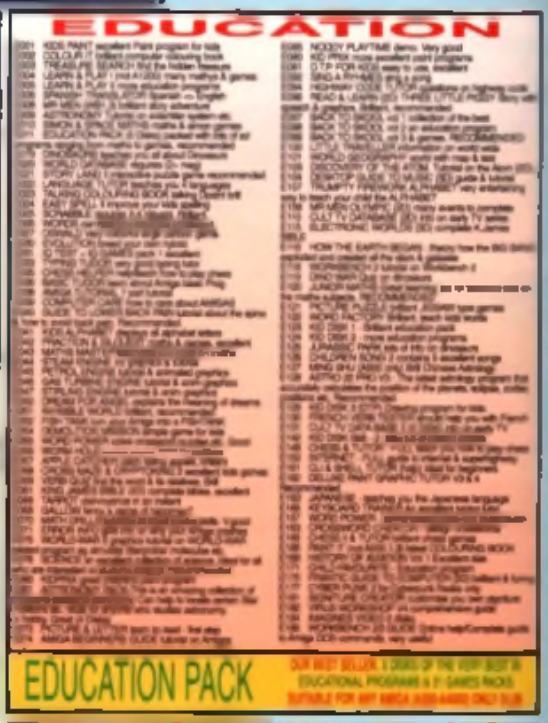
SOFTWARE 2000
Dept (CUD3)
46 NEMESIA
AMINGTON
TAMWORTH
B77 4EL
ENGLAND
TEL: 01827 68496

SOFTWARE 2000
Dept (CUD3)
8 WILLS STREET
LOZELLS
BIRMINGHAM
B19 1PP
TEL: 0374 878088

TEL OR FAX: 01827-68496

GAMES

EDUCATION

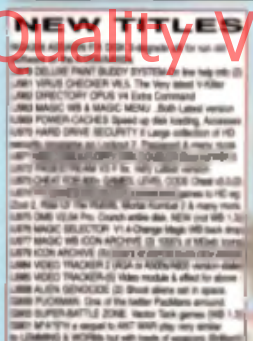


EDUCATION PACK

OUR BEST SELLER 3 DISKS OF THE VERY BEST IN EDUCATIONAL PROGRAMS & 5+ GAMES PACKS SUITABLE FOR ANY AMIGA A500/A600/A1200 ONLY £3.99

Hi Quality Version Available on AMIGALAND.COM

NEW TITLES



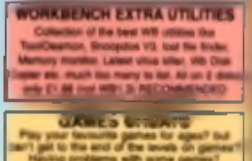
WORKBENCH EXTRA UTILITIES

Collection of the best WB utilities like ToolDaemon, Snoopdos V3, tool the finder, Memory monitor, Latest virus killer, WB Disk Copier etc. much too many to list. All on 2 disks only £1.99 (not WB1.3) RECOMMENDED

JABED STRATS

Play your favourite games for ages? but can't get to the end of the levels on games? Having problems with some games? 5 disk pack with 1000's of games cheats/help/level code action replay poke etc. should help you finish many games suitable for all Amigas only £4.99

AMOS



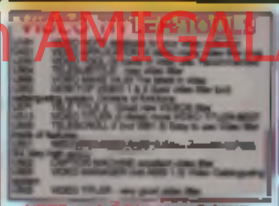
18 DEMOS

Age 18 and over only

X60	CINDY CRAWFORD (2)
X74	MADONNA (SEX) (3)
X61	SNOWER GIRL
X63	BODY TALK (2)
X58	MARIE WHITTAKER
X64	SABRINA SPECIAL
X25	DIE FILKINGER
X26	MADONNA EARLY DAYS
X28	KATHY LLOYD
X30	MEGA-MAID
X31	CALENDAR GIRL
X32	MAYFAIR
X33	UTOPIA (4 DISKS)
X45	GIRLS OF SPORT
X49	PAGE 3 GIRLS
X70	GON GON GIRL
X71	TINA SMALL

K91 Calendar girl 95

ANIMATIONS



U252 "50 PRINTER DRIVE

U.F.O THE CLOSE ENCOUNTER

INCREDIBLE DISK SET PACK WITH REAL LIFE DOCUMENTARY REPORT, BRILLIANT UFO SIMULATION, MUST HAVE UTILITIES, REPORT OF CLOSE ENCOUNTER WITH THE UFO BEING, BRILLIANT & MUST FOR ALL UFO FANS. RECOMMENDED

SPECIAL OFFER 4 DISKS ONLY £3.99

STAR-TREK MANIA

TOP VARIOUS UTILITIES

COMMODORE VIC 20 (plus)

emulator + 30 top Vic 20 Game

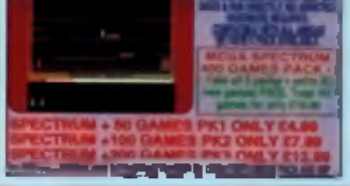
Only £2.99

COMMODORE 64 V3

& 45 TOP C64 GAMES

Only £4.99

ZX SPECTRUM 48K V2+



SPECIAL OFFER

MEGA SPECTRUM V2+

400 GAMES PACK 4

Pack 4 consists of the entire 50 TOP 200 Spectrum games – or rather 50 new games in this pack you will be able to play all the top Spectrum games like Jetset Willy 1 & 2, Manic Miner 1 & 2, Bomb Jack 1 & 2, Dizzy the Egg 1 & 2, Dan Dare, Arkanoid, Elite, Jetpac, Atic Atac, Sabre Wulf, Spaceding, Sp Knight, Match Day and 350 more. All packs are compatible with all Amigas

All 400 Spectrum games for only **£19.99**

BUSINESS SOFTWARE

AGA A1200/A4000

DISK DRIVE HEAD CLEANING KIT

ONLY £2.99

OR FREE SEE →

FREE DISK DRIVE HEAD CLEANING KIT WORTH £2.99 WHEN TOTAL ORDER MORE THAN £21

FREE

BUY ANY 10 OR MORE DISK & CHOOSE 1 EXTRA DISK TOTALY FREE

SOFTWARE2000

Please Tick your Free Gift, Cut & return with order

Expires 20 May 95

☐ FREE DISK OFFER

☐ FREE CLEANING KIT

SOFTWARE2000

FEB/MARCH TOP 20 SELLER

01 X061 CINDY CRAWFORD CALANDAR 92
02 U061 VIRUS CHECKER V6.50
03 U746 3D GARDEN DESIGNER
04 U330 WB 2.04 EMULATOR
05 U737 150 + PRINTER DRIVER
06 E150 GUIDE TO INTERNET
07 U328 RELOCKIT V1.2
08 C64 EMULATOR V2 & GAMES PACK
09 U165 MAGIC WB & MAGIC MENU
10 SPECTRUM V2 & 200 GAMES PACK
11 LITTLE OFFICE V2
12 U762 HOW TO MAKE AUTO BOOT DISK
13 U822 ACTION REPLAY V4 (AGA)
14 U867 DISK REPAIR KIT 4
15 U880 LOTTERY WINNER
16 U731 A 2 CHEAT
17 U731 ACCOUNT MASTER V3
18 U640 COPY & CRACK TOOL 2
19 VIC20 & GAMES PACK
20 AGA 308 ASSASIN FIX DISK 3

100 TOP DEMOS

The Largest collection of demos ever released the pack contains over 100 top demos. Most are all Demos. Our top 50 list ____ RECOMMEND

Only £7.95 suitable for any AMIGAS

Special Packs

ALL PACKS SUITABLE FOR ANY AMIGA SYSTEM

Board Games Pack 1 (6 disks)

Arcade Games Pack 1 (6 disks)

Card Games Pack 2 (3 disks)

Puzzle Games Pack 1 (5 disks)

Mini Workbench Games (5 disks)

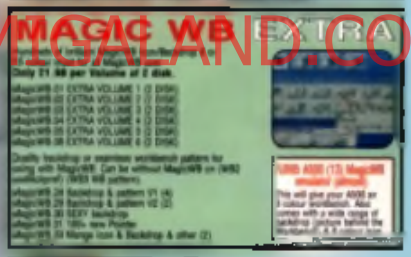
LITTLE OFFICE 2

Harddrive & disk drive spare doubler

ALL NEW

ONLY £4.99

MAGIC WB EXTRA



MANGA AKIRA

Manga girl and Akira cartoons across all the best MANGA AKIRA Games, Animations, Slideshows, Demos. All based on the Japanese MANGA.

Want to win the national lottery?

LOTTERY WINNER

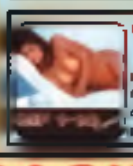
this program stacks the odds in your favour of winning the lottery

AGA240 LOTTERY WINNER (for A1200 & A4000 only)

NEW

Upgrade LOTTERY WINNER Like above & for all AMIGA

Gift Beauties vol. 1-18



Pictures worth a thousand. Amazing full 256 colour (AGA) only 99p per disk. Phone for the latest disks and price on the entire volume (1-18)

101 GAMES 2

101 GAMES

PRICE ONLY £10.99

RAY TRACING IMAGINE

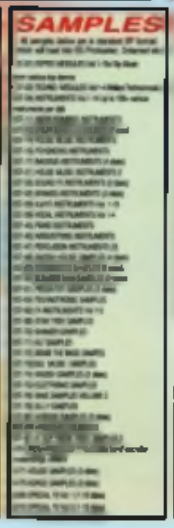
REAL 3D V2 Object

LIGHT WAVE Object

SCULPT Object

CALIGARI Object

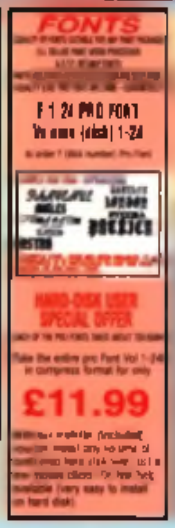
SAMPLES



CLIP ART

FONTS

F1 24 PRO FONT in one disk 1-24



HARD DISK USER SPECIAL OFFER

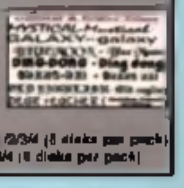
Take the entire pro Font Vol 1-24 in compress format for only

£11.99

NEW PROFESSIONAL COLOUR CLIP-ART

Birds (8)	Cars (1)
Cats (1)	Dinosaurs (3)
Dogs (10)	Fishes (70)
Flowers (16)	Fruits (3)
Horses (2)	Insects (8)
Instruments (3)	Mammals (+ 3)
Wild Bags (18)	Planet (2)
Reptiles (4)	Sea (2)
Trees (+ 0)	Vegetables (4)

DESKTOP PUBLISHING FONTS & CLIPART



Computer Graphic (CG) Vol 1-60

Adobe Font Volume (disk) 1-59

Also available spare fonts for

ProPag V2 disk 1-18

Page Setter V2 disk 1-18

EPS clip art Pack 1 2/3/4 (8 disks per pack)

PAGE-STREAM CLIP ART 1/2/3/4 (8 disks per pack)

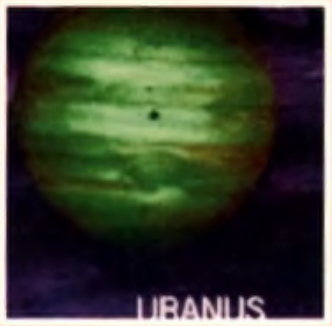
High Quality Version Available on AMIGALAND.COM

PD Scene

This month's public domain pizza has an extra thick topping of demos, music disks and slideshows, on a crispy deep pan base of games. Hold the anchovies.

Witness
game

This is another game that promises plenty, but doesn't quite deliver. It's basically *Defender* dressed up with digitised pictures of the planets, which form the game's levels. As far as I'm concerned, the best things about the original *Defender* were its speed, the ship's unquenchable laser gun, the brilliant sound effects and the daredevil flight manoeuvres. *Witness* doesn't capture any of that particularly well. Fast, unpredictable or intelligent aliens are out, in favour of slow moving blobs that have to be shot umpteen times to be destroyed by your sluggish ship. How about a new improved Witness 2?



Available from: Saddle Tramps PD, 1 Lower Mill Close, Goldthorpe, South Yorkshire S63 9BY. Tel: 01709 888127. Disk no. CLG 69. Price: £3.95 including P+P.

58%

Club Mix IV
music demo

Featuring substantial samples from Jam and Spoon, Elevation and N-Trance among the beats, Derek Heasley's Club Mix IV has plenty of potential. The seven minute mix chops from one track to the next a bit too impatiently for my liking, sounding more like a TV advert for a dance compilation album. That's OK, but I draw the line at Cotton Eye Joe samples. Please. Oh well, if you like a bit of pounding Euro techno, and you can stand the Rednex interruption, give it a shot.

Available from: Derek Heasley, 8 Hazelwood Grove, Artane, Dublin 9, Eire. Price: £2.50 including P+P. Requires 2Mb.

65%

Hi Quality Version Available on AMIGALAND.COM

Hopefully Dead
AGA demo

All of the effects are viewed through a half-screen window in this brief demo from Oxyron. Most of the graphics are pretty chunky, but impressive all the same, such as the wormhole, the fire, the texture mapped vectors and the voxel landscape. I'm told it needs 6Mb of RAM to run, but I suspect it might work with the standard 2Mb and a bit of Fast RAM.

Available from: Freestyle PD, 108 Woodside Way, Short Heath, Willenhall, West Midlands WV12 5NH. Price: £1.50 including P+P.

70%

Cyberdroid
game

Cyberdroid has the makings of something special, with its ray traced sprites and fancy title screens. Unfortunately, the horizontally scrolling shoot 'em up gameplay is spoilt by two things. First, is the grey colour scheme used for all the sprites and most of the background, which makes it hard to pick everything out. Second is the way the main character is rendered helpless for a split second, every time you turn around or land on a platform. The frames of the rotating droid are all very nice, but while he's performing his little twirl, you're a sitting duck for the aliens. Apart from that, *Cyberdroid* is a fun little game, and still warrants attention from frustrated zap fans.

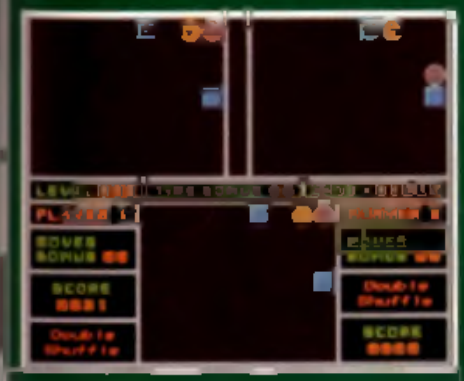
Available from: Saddle Tramps PD, 1 Lower Mill Close, Goldthorpe, South Yorkshire S63 9BY. Tel: 01709 888127. Disk no. CLG 69. Price: £3.95 including P+P.

71%

Double Shuffle
game

Puzzle games with squares – don't you just love 'em? I don't usually, but this one's OK. You're presented with an arrangement of immobile squares and a small number of movable counters.

The object of the game is to move the counters into the positions indicated in the box at the bottom of the screen. You can slide the counters up, down, left and right, but they only stop when they hit an immobile square, so you have to plan your moves carefully. A neat puzzle game.



Available from: Freestyle PD, 108 Woodside Way, Short Heath, Willenhall, West Midlands WV12 5NH. Price: £1.50 including P+P.

68%

Poker Mania
game

Cross a fruit machine with a game of cards, and you'd end up with something like *Poker Mania*. You don't play against a computerised opponent – instead you win money according to the amount you bet and the odds for the hand you end up with. To keep it from getting boring, you also get bonus games such as 'Higher or Lower' or 'Find the Ace'. Bright graphics and good sound effects make it an entertaining diversion. Worth checking out for a bit of fun.

Available from: Freestyle PD, 108 Woodside Way, Short Heath, Willenhall, West Midlands WV12 5NH. Price: £1.50 including P+P.

82%

Songs Rack
music disk

Nine tracks of chugging techno are on offer here, well produced with clean samples and neat arrangements. Innovation is in short supply, but if you like a bit of melody with your bleeps, then these should do just fine.

Available from: Freestyle PD, 108 Woodside Way, Short Heath, Willenhall, West Midlands WV12 5NH. Price: £1.50 including P+P.

79%

M*A*S*H
game

Apparently this game has been in development for two years, so instead of calling it a *Worms* clone, it seems the opposite is true. Either way, M*A*S*H is very similar to *Worms*. It's also a bit like *Lemmings*, but instead of saving the little critters, you've got to blow them up! You start at one end of the level, with the enemy at the other. Your aim is to annihilate the enemy base with a barrage of missiles and bombs. In the meantime, the enemy potatoes (yes, potatoes) come charging over the hills to do the same to you.

You have the combined forces of your own potato army, plus a few tanks. There's plenty of violence, but who can condemn a game that victimises potatoes? This is the shareware version. The full version can be obtained for £7. There's also a swirly patterned freak-tastic kaleidoscope sequence at the start – hurrah!

Available from: Chris Gregan, Sheaf O' Wheat, Dunboyne, Co. Meath, Ireland. Price: £1 plus 50p P+P.

88%

Anhalonium Lewini
demo

The latest from TRSI never quite gets into top gear, although it threatens to on a number of occasions. There are some of those 3D plasma clusters, some shaded vectors, a bit of wobbly text, a handful of dot effects, and a passable techno soundtrack.

Available from: 17 Bit Software, 1st Floor Offices, 2/8 Market Street, Wakefield, West Yorkshire WF1 1DH. Tel: 0924 366982. Price: £1 plus 50p P+P.

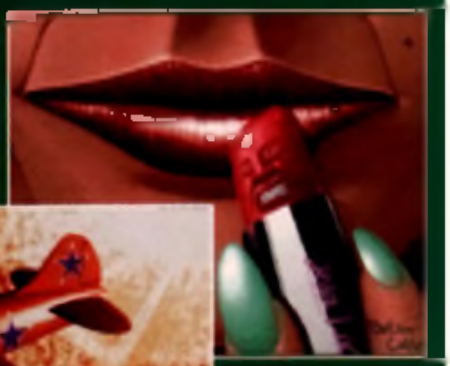
60%

Hi Quality Version Available on AMIGALAND.COM

Mosaic
AGA slideshow

Graphics junkies can get their teeth into the 15 top quality pics on this disk. Most are in a cartoon style, with plenty of colour and lots of nice smooth 256 colour shading.

Available from: Freestyle PD, 108 Woodside Way, Short Heath, Willenhall, West Midlands WV12 5NH. Price: £1.50 including P+P.



81%

Istanbul Style
slideshow

Not quite as professional looking as *Mosaic*, but a good selection of artwork all the same. Istanbul Style is made up of 14 fantasy scenes, most of which include throbbing barbarians, with the odd sword-bearing wench thrown in for good measure. Trolls and monsters also get a look in.

Available from: Freestyle PD, 108 Woodside Way, Short Heath, Willenhall, West Midlands WV12 5NH. Price: £1.50 including P+P.

78%

Infection ...
games disk

Normally I hate puzzle games with squares, but this month I've already recommended one, *Double Shuffle*, and here are three on the same disk all getting the thumbs up! *Infection* is a bit like draughts, except four people play at once, and the object is to infect the opposition by occupying the adjacent squares. *Toobz* was reviewed in PD Scene not so long ago, and *Confuzion* is a cross between *Pipe Mania* and a sliding block puzzle. Lots of fun for everyone.

Available from: 17 Bit Software, 1st Floor Offices, 2/8 Market Street, Wakefield, West Yorkshire WF1 1DH. Tel: 0924 366982. Price: £1 plus 50p P+P

84%

Hi Quality Version Available on AMIGALAND.COM

ZXAM 1.6
spectrum emulator

The latest version of this ZX Spectrum emulator comes in versions for AGA and non-AGA Amigas (Kickstart 2 and above). Both versions need a 68020 or higher processor. A 68030 is recommended to keep the speed up.

We received two variations of this disk which include different games. The disk from 17 Bit Software comes with the following: ***Ollie and Lisa, Pitfall 2, Quazatron 2, Repton Mania 1+2, Sabateur, Skool Daze, Space Harrier 1+2, Speed King 2, Spy vs Spy*** and ***Thrust***.

The Kew=ll Software disk includes ***Airwolf, Atic Atac, Bomb Jack, Cyclone, Knight Lore, Manic Miner, Spy Hunter, Stargoose, Tarantula*** and ***Uridium***. Take your pick.

Available from: a) 17 Bit Software, 1st Floor Offices, 2/8 Market Street, Wakefield, West Yorkshire WF1 1DH. Tel: 0924 366982. Price: £1 plus 50p P+P.

b) Kew=ll Software, PO Box 672, South Croydon, Surrey, CR2 9YS. Tel: 0181 657 1617. Price: £1 plus 50p P+P.

88%

GAMES

GRAVITY FORCE 2 +Y
Game of the year '94 ?
STARBASE 13 (2) +Y
Brill point'n click
ROCKETZ AGA Y
Excellent good em up
MEGABALL AGA Y
Arkanoid clone
MECHFORCE +Y
Strategy game
MOBILE DRIVE +Y
Good overhead racer
SOCCER CARDS +Y
Footy game
HIGH OCTANE +Y
Fast racing game
19TH HOLE GOLF (2) +Y
Great golf game
ZOMBIE APOCALYPSE 2 Y
Shoot em down!
FIGHTING WARRIORS +Y
Streetfighter clone
OTHELL IN SPACE +Y
Good platformer
OSWALD +Y
Nice jumping game
DONKEY KONG +Y
Classic Arcade game
GORF +Y
Great game
STAR ANS +Y
Spacey shoot em up
ICE RUNNER +
Good platformer
ORC ATTACK +Y
Fight them off
MADFIGHTERS Y
Beat up your opponent
ORBIT (2) +Y
Brill space fight sim
GALACTIC PREDATOR +Y
Action packed
CROACTS +Y
Robot war game
FANTASY FOOTBALL LEAGUE +Y
Excellent management sim
THE SHEPHERD +Y
Play god
ROAD TO HELL (1.5 MEG) +Y
Good top view racer

FRED FISH 1 TO 1000
SCOPE 1 TO 220
ASSASSINS, JAM ETC

UTILITIES

VIDEOTRACKER +
Everything for making demos
VIDEOTRACKER AGA Y
The AGA version
RDS +Y
Create random dot & grafixs
TEXTENGINE 4.1 +Y
Best PD wordprocessor
X-COPY PRO +Y
Disk copier
LITTLE OFFICE +Y
WP, Sstrom, D/base etc
IMAGE STUDIO (WB 2+)
Pic converter / manipulator
BLACKBOARD +Y
Pic converter / manipulator
PC TASK 2 +Y
PC emulator
DELITRACKER +Y
Music player
RELOKICK +Y
Degrader
MAGNUM +Y
Disk mag creator
FAST INTRO MAKER +Y
DESKTOP VIDEO STUFF +Y
Loads of titles
GATOR GRAPHICS +Y
Graphics utilities
OFX CONSTRUCTION KIT +Y
Great gfx aid
MAMORPH +Y
Fast morpher
PLASMA CLOUDS 256 Y
Plasma creator
VECTOR DESIGNER +Y
DISKMASTER 3 +Y
Dopus clone
ACTION REPLAY 1.5 +
Software version of cartridge
ACTION REPLAY V4 Y
AGA version
CRACK N COPY +
CRACK N COPY AGA Y
AGA EMULATOR (not 1200)
MAGIC WORKBENCH (not 500)
TERM (3) +Y
Great comms program
INSCRIPT +Y
Video titles

NOBLE HOUSE

48 EDNAM DRIVE
GLENROTHES,
FIFE
KY6 1NB
Email: NHOUSE@DELPHI.COM

IMAGINE

FEMALE (OBJECTS)
Four modes of female walking ready to animate
57 CHEVY (WB2+) (OBJECTS)
HUMANS (OBJECTS)
2 male/2 female
CARS (OBJECTS) - BMW, 32 DODGE
STARTREK (OBJECTS)
SCI - FI (OBJECTS)
IMAGINE TUTORIAL +Y
All you ever wanted to know about imagine
Tools / Tips, projects / step by step etc
SPACE FONT TOOLS
Ex commercial program for manipulating fonts, features countless etc (great!)
IMAGINE UTILITIES
SL, Wrapper, ground, Showob etc
TEXTURES 1 - Wood and Misc
TEXTURES 2 - Stone
TEXTURES 3 - More Stone
TEXTURES 4 - Organic + Util to convert JPG to IFF & GIF
WORLD
Objects + Ages + Land + Plants etc
Shelly, a utility to create shell like objects for imagine/lightwave real 3d etc

[illegible]
14 for for only £10.00

EDUCATION

COLOUR IT +Y
Colouring book
STORYLAND 2 +Y
Excellent reasoning adventure
DUNKS DTP +Y
DTP for kids
LITTLE TRAVELLER +Y
World facts
JAPANESE +Y
Learn Japanese
I.Q. TEST +Y
GARDEN DESIGNER +Y
3D design
CROSSWORD CREATOR +Y
FOOTY +Y
Pools checker
COMMUNICATE +Y
8 Languages
TOME OF MYTHS (2) +Y
Excellent hyperbook
LANGUAGE TUTOR +Y
4 Languages
D-PAINT TUTOR +Y
WORLD WAR 2 +Y
Hyperbook
WORLD GEOGRAPHY +Y
Maps & text
GCSE MATHS +Y
KIDS GAMES +Y
MR MEN +
Learn to read

CLIPART

COLOUR CLIPART (3)
GAME CHARACTERS (COL)
DISNEY CLIPS (COL)
CANDY AND BEANO
WOMEN CLIPART (2)
VIZ CLIPART
SPORTS (2)
MUSIC
FRAMES / BORDERS
FOOD / DRINK
TRAVEL
WEDDINGS
FLINTSTONES (COL)
LION KING (COL) (3)

GLAMOUR SLIDES

BEST OF ESCORT +Y
BETA TEAM +Y
PEEPO 2 + Y
PEEPO SPECIAL (NOT +)
BORDELLO BEAUTIES 1 + Y
BORDELLO BEAUTIES 2 (2) +Y
BORDELLO BEAUTIES 3 (2) + Y
BORDELLO BEAUTIES 4 + Y
BORDELLO BEAUTIES 7 + Y
BORDELLO BEAUTIES 8 + Y
BUST UP + Y
CHEEKY CHARLIES + Y
DOMINIA 1 + Y
DOMINIA 2 + Y
THE FOX + Y
GIRLS, GIRLS, GIRLS 2 + Y
GON GON GIRLS + Y
HOT GIRLS + Y
HOT GIRLS 7 + Y
MADONNA VS TUTTI (2) + Y
MAYFAIR BEAUTIES 1 + Y
MAYFAIR BEAUTIES 2 + Y
MAYFAIR BEAUTIES 3 + Y
PARADISE PICTURE SHOW 2 + Y
PENTIRE GLAMOUR (2) + Y
SLAYER STEVE 1 + Y
SLAYER STEVE 2 + Y
SLAYER STEVE 3 + Y
SUPER GIRLS 3 + Y
TWILIGHT SLIDES + Y
UTOPIA 1 + Y
UTOPIA 2 + Y
UTOPIA 3 + Y
UTOPIA 4 + Y
WOMEN OF THE ORIENT + Y

HUGE SELECTION OF 18+ TITLES IN STOCK (PROOF OF AGE REQUIRED) FULL LISTING IN CATALOGUE

+ 500+/600 compatible Y 1200 compatible ( ) Number of disks
1 - 5 disks £1.50 per disk 6 - 14 disks £1.25 per disk 15+ disks £1.00 per disk
UK postage FREE Europe postage £2.00 R.O.W. postage £3.50
Payment in £'s sterling only. Cheques/PO's payable to Noble
Fast turnaround. All orders sent by 1st class post. Write for FREE catalogue disk.

Hi Quality Version Available on AMIGALAND.COM

(01705) 642400

Exclusive PD

Cheques/PO payable to:
Exclusive PD (CU)
7 Beresford Close
Waterlooville
Hants PO7 5UN

Games

The Dead Of Night (3)
Kellogs Express
Rackobox V2 R
Mangler Fenders
Megapuck
Starfighter (2) (2.04+)
Bananoid
Mea Worlz (2.04+)
JBR (2)
Power Battle
Manga Fel Numbers
Xanes
Flaming Engines
Ad. Harry The Haddock
Lemmings/Lemmingoids
Samurai Showdn (AGA)
Fear (Preview) (AGA)
Roketz V2.0 (AGA)
Knuckleheads (IN Chip)
Lucky (AGA)
Judgement Day
Fishy Fishy
Ultimate Quiz V2.0
Cheat Lister V2.08 (2)
Changes (2, AGA)
T.L.C.E V1.1 (AGA)
[illegible]
HD Games Install 3 (AGA)
Deluxe Galaga V2.5 (+)
FLIP Folio V2.21
Zaxxon
Inferno Combustion
Fatal Mission (AGA)
Lotus Formula (2.04+)
Turbo Jam (AGA)
Board Games

Full version £10.50 inc P&P

Vigon (AGA)
Gory Christmas
Jigsaw Game
Extreme Alcoon
Mi Short Game Racing
Bozana Arc Windy
Turbo skull
D. Solar Commend
Cyberqualmed (2 Disks)
Chen V1.0
Commence (Preview)
Puzzer (1MB Chip)
Car Business (2meg)
Suicide Machine
Demon V1.01
Infection
Jump Em
Trilemma V5.0
Dr Who

Klondike AGA

Klondike V1.0 (3)
Klondike V2.0 (4, HD)

Cardsets

Star Trek - TNG
Dungeons & Dragons
Sailor Moon
Ranma
Elle Macpherson 2
Ripping Yarns
Sharilyn Fenn
Lion King
Fractal
Marilyn Monroe 2
Dr. Rabo
Arthilles
Heroes
Beauty
C. Crawford 2
Dragon Lance
Pretty Women
Photo CC
Flowers
Boris Vallejo

Oriental Girls
Hot Mix
Rion
Prehillion

Demos

Complex Fun Vise Come
Killing Time (4,AGA)
Andromeda Nexus 7 (AGA)
Motion Origin 2 (2,AGA)
The Prey (2,AGA)
Whammer Slammer (3 AGA)
Soul Kitchen (2,AGA)
Agon Delay (AGA)
Oxygene Indigo (2,AGA)
Sanity Roots (AGA)
Free Fall Alone? (AGA)
Switchback (2,AGA, FAST)
Mama's A Viking (2,AGA)
Do You Believe? (2,AGA)
Twisted (4,AGA/FAST)
Zoo Map (AGA)
WB Premium (AGA)
We Will Smash U (AGA)
Abyss Focus (2 AGA)
Psychadelic (3,AGA, HD)
Melon Ninja (AGA)
Desert island Disk
Gallery Guide (1.5 MEG)
Insane Exploration
Breath Of The Muse (AGA)
Impact Futuristic Mind (AGA)
Fight Shadow Lakes (AGA)
EMT Hard Day (AGA)

Music

The Flintstones (2)
Rinpard & No Limits
Sys Jit Wasted (AGA)
The Superior Tapes
CutFare To Themes 2
Overdose Land Live
Swamp Thing (AGA)
C-Red Modules

Magnitude (AGA)
Lurking Mobiles
Rave Comic Hardcore Vol 1
Tag Me Home
X-Loops
Ultimate Breaks (8)

Slideshows

Bodyshop 8 (1,AGA)
Schiffer 94 (3 AGA)
Alien Raytrace (AGA)
Blade Runner (AGA)
Famous Faces (1,AGA)
Paranoid 3 (AGA)
3-Track Slideshow
Imran Garth (AGA)
Low Flying (2.04+)
Leony Gfx #8 (AGA)
Leony Gfx #8 (AGA)

Interests

Photographic Lecture (2)
The Weather Guide (1)
Parkdale History V2.21
Lottery Winner (AGA)
Star Trek Guide (6)
Personality Analysis
Amiga dos Ref Guide V1.0
Cinema Guide V1.1
Cop The 60t Pro
Star Trek Design File
Holiday Photo Tutorial (2)
Travel Guide (2)
Morse Code Tutor
Bits Bass Stuff
Pro Gamble V2.1
Beginners Guide To WB3

Raytracing

Imagine Buddy System (2)
Lightwave Textures
Babylon 5 Objects
A Z Lightwave Obj (5)

Video Windows Tutorial
Dinosaurs For Imagine
Star Wars Imagine Obj (3)
Imag. Textures Guide
Imagine Attributes #2
Alien Objects
Babylon 5 Objects 2
Imagine 2-Lightwave V1.0
Dungeons & Dragons
Dalek Objects
Spaceman Objects
Armoured Walker
Imagine Humanoid (4)
Light Flares

Utilities

EPU Disk Stacker V2.70
Amiga Man/Amigas (2.04+)
MSDOS For Amiga V1.0
MWB Extras #4 (7)
Trans MU Pics AGA
More 256 Colour Icons AGA
MWB Backgrounds Kit
The Utility Pack #3 (2.04+)
WB2/3 System Utils (2.04+)
Magic Selector V1.40 (2.04+)
Virus Checker V6.47
Fractal Icons
Amiga 2 PC Gfx V1.0
256 Colour Icons (AGA)
Freeform (2.04+)
Gfx Utils 2 (2.04+)
Superdave V4.0 (2.04+)
Lion King Clipart (3)
Lock Up V3.6 (+)
Zero Spec Emulator 1.1b AGA
Virus Workshop V4.7 (+)
Workbench Patterns
Cdrom Update! Utilities
Powercache V37.10d (+)
Virus Checker V6.47
MUI V2.3
Fire Writer Patch
Internal Utils
Fire Wrapper V3.0
Turbocat
Filer V2.23
Viewtek V2.1 (+)
Image Processing 3 (+)
Christmas Labels

Graphic Converter (2 Disks)
Jpeg To Iff Converter V1.4
Funny Backgrounds & Icons (Aga)
The New Icons Patching Set #1
New Icons Image Set (500+ Icons)
Imagedesk V1.2 (+)

F1 Licenceware

F1-[illegible] Off You Go
F1-[illegible] AmeZine #4 (3)
F1-[illegible] Giddy 3
F1-057 Colour Maths
F1-[illegible] Blast Em!
F1-[illegible] Punter V2.1
F1-[illegible] The Ultimate Quiz Vol #1
F1-[illegible] Captain Carnage
F1-[illegible] Junior Artist
F1-[illegible] Speedbits
F1-[illegible] Brain Man's Vol 1
F1-[illegible] Ultimate Quiz Vol.2 (2)
F1-[illegible] G.R.A.C. (2)
F1-[illegible] Bubble Trubble (2)
F1-[illegible] Aquanaut

1 DISK F1 TITLE £2.99
2 DISK F1 TITLE £4.[illegible]
3 DISK F1 TITLE £5.[illegible]
4 DISK F1 TITLE £6.[illegible]
5 DISK F1 TITLE £7.[illegible]
6 DISK F1 TITLE £[illegible]

CD-Rom

AMINET 4 £16.50
AMINET 8 £16.50
AMINET 1-4 PACK £38.00
FRESH FISH 7 £20.50
FRESH FISH 8 £20.50
GOLD FISH 2 £27.50
17BIT CONTINUATION £18.50
17BIT PHASE 4 £18.50
HOTTEST 4 £18.50
HOTTEST 5 £14.50
PRO GIF CLIPART £16.50
PRO FONTS £16.50
QUEEN ALICE £20.50
SHEER DELIGHT 18+ £20.50
ADULT SENSATION 18+ £18.50
SPEEDY SENSATION £18.50
GFX SENSATION £18.50
LIGHT ROM £37.50

[illegible] £18.50
ASSASSINS CD £16.50
LSD CD 1 £18.50
LSD CD 2 £18.50
[illegible] £18.50
ILLUSIONS IN 3D £18.50
[illegible]

18+ 18+ 18+

(All disks require 1 1200)

#52 Busty Babes #[illegible] (5)
#53 Busty Babes #2 (5)
#54 Beach Babes #1 (5)
#55 Lingerie Pack (5)
#57 Playthings 2 (2)
#58 Lifestyles #3 (2)
#61 Pinky (2)
#64 Carla (2)
#[illegible] Kate (2)
#[illegible] Double Trouble (2)
#[illegible] Biggest Babe
Collection Four (25) £15.00
G.F Bonanza Pack (18) £12.50
Bodyshop 1-8 (15) £10.50

18+ titles will only be supplied to persons aged 18 [illegible]

KEY

(?) = Number of disks
AGA = A1200/A4000
030 = 68030 Required
HD = Hard Drive Required
(2.04+) (+) = A500+ & A600/A1200

CATALOGUE DISK
Free with 1st order or 2x25p stamps

PD Disks £1 per disk whether in this ad or ANYONE else's! P&P - UK Add 50p Per ORDER, Europe Add 20p per disk, World add 40p per Disk

Extras

Dust Cover	£2.50
Mouse mat	£2.50
3.5" Drive Clener	£2.50
50 DSDD Disks	£20.5
100 DSDD Disks	£39.5

All prices include P&P

FREE GAMES CHEATS ON ALL ORDERS — **FREE** 1.4 EMULATOR — **UNDERGROUND P.D.** — **FREE** LIBRARY DISK — **FREE** POST & PACK ON ALL ORDERS

PLATFORM GAMES
- 020 LEMMINGS ARCADE
- 878 TOP HAT WILLY
- 064 ICE RUNNER
- 791 DOCTOR STRANGE
- 715 SUPER BLUE KID
- 980 KELLOGG LAND NOT AS
- 017 CRAZY SUE V1
- 188 CRAZY SUE V2
- 711 WALLYWORLD 2 DISK
- 961 JUDGEMENT DAY

SPACE BLASTERS
- 911 SOLO ASSAULT
- 906 OBLITERATOR
- 031 OBLIVION
- 805 TRANS-PLANT
- 498 THE LAST REFUGE
- 996 GORF INVADERS
- 343 CYBER-NETICS
- 972 GALAGA V2.4
- 679 STAR-BIANS
- 548 CAFFEINE FREE

ARCADE GAMES
- 123 HUGO 3 DISK 2 DRV
- 555 HUGO V2 5 DISK
- 875 MISSILES 2 DISK
- 953 SEWER BLAST
- 976 BEAVIS & BUTTHEAD
- 429 ZOMBIES APOCAL
- 870 ROCKETZ A1200
- 975 SUICIDE MACHINE
- 273 KELLOGS EXPRESS
- 912 RUDOLPH - SANTA
- 916 GAME HOI A1200
- 141 TANX 2 PLAYER
- 966 MERCURY MISSION
- 952 NANO FLY
- 983 SAXXON NOT 1.3

P.D VERSIONS
- 024 ELF & PP HAMMER
- 025 HUNTER PLUS
- 259 POPEYE L.C.D
- 816 APIDYA NOT A12
- 717 URIDIUM NOT A12
- 477 CADAVA-VENUS FLY
- 022 GODS-T/MACHINE
- 026 ROBOCOP-T/RECALL
- 005 SMASH-TV NOT A12
- 522 OSCAR CD A1200
- 815 LEMMINGS PACK
- 023 RICK DANGEROUS
- 472 TETRIS GAMEBOY
- 067 5 L.C.D. GAMES
- 027 CHUCK ROCK-ICE

COMBAT GAMES
- 961 FATAL BLOWS
- [illegible]
- [illegible]
- 696 TO THE DEATH A12
- 290 FIGHT WARRIORS
- 662 MAD FIGHTERS A12
- 930 A.B.H. A12 6 DISK
- 492 KARATE WARRIORS
- 636 KISS THE CANVAS

CLASSIC GAMES
- 225 BOMBJACK NOT A12
- 011 ASTEROIDS
- 693 MISSILE COMMAND
- 778 OVERLANDER
- 692 SPACE INVADERS
- 350 DONKEYKONG NOT A12
- 841 COOKIE

DRIVING GAMES
- 969 MANG-FEND NOT 1.3
- 974 F1 EDITOR 94/5
- 951 FLAMING ENGINES
- 469 THE ROAD TO HELL
- 735 AUTOMOBILES
- 613 HIGH OCTANE V2
- 682 MOOSE DRIVE

SIMULATORS
- 926 HELICOPTER
- 332 SEALANCE-SUB
- 811 CAR MANIACS
- 544 AIR WARRIOR
- 333 BATTLE CARS V2

SPORT GAMES
- 366 GOLF 18TH 2 DISK
- 822 CRICKET AMOS V2
- 630 TEN PIN BOWLING
- 104 FUTURE FOOTBALL
- 666 SPORT CHALLENGE

HINTS & CHEATS
- 418 1000 CHEATS
- 931 BACKDOOR V3
- 990 NOSTROMO 95 NOT AS
- 821 PASSWORD MANIA
- 813 GAME TAMER V4.5
- 820 MEGACHEATS
- 681 SIERRA SOLUTIONS
- 019 GAME TAMER V2.3

OVER 18 GAMES
- 101 TERROR LINER V1
- 712 TERROR LINER V2

TETRIS-COLUMNS
- 294 KLACK-TRIS COLUMS
- 107 TWIN-TRIS TETRIS
- 373 I-TRIS TETRIS
- 390 DIZZY DIAMONDS
- 293 DR-MARIO COLUMS
- 971 SPELL-TRIS
- 617 NUMBER-TRIS
- 964 TEAM TETRIS
- 626 MEGA-BLOX TETRIS
- 013 TET-TREN TETRIS
- 597 TETRIS PRO
- 611 HOT-BLOX TETRIS
- 657 ZYNX COLUMNS

PAC-MAN GAMES
- 397 DEL P-MAN NOTA12
- 923 BOMB32 PAC/M A12
- 230 SUPER PAC MAN
- 922 GOLD RAID
- 102 LADYBUG PAC MAN
- 008 ORIGINAL PAC MAN
- 592 PAC MAN RETURNS
- 252 YUM YUM PAC MAN

BREAK-OUT & PONG
- 088 ARCADIA+CON-KIT
- 003 MEGABALL V1
- 459 MEGABALL V2
- 559 MEGABALL V3 NOAS
- 021 BREAKOUT+CON-KIT
- 709 W-W PONG NOT 1.3
- 007 BATTLE PONG
- 421 REBOUNDER PONG
- 733 SICK-BALL NOT 1.3

BOULDERDASH GAMES
- 731 HAUNTED MINES
- 254 EMERALD MINES
- 121 EMMERALDON MINES
- 351 ROYAL MINES
- 391 DIZZY LIZZY MINES
- 718 C64 BOULDERDASH
- 480 BLUE DIAMONDS

PUB-CLUB GAMES
- 560 WORLD DARTS
- 598 PINBALL NOT 1.3
- 222 FRUIT MACHINE
- 932 MEGA FRUITS
- 010 POKER ARCADE
- 375 CARDS SOLITAIRE
- 129 CARDSHARP NO A12

BOARD GAMES
- 910 NEW MONOPOLY STAT
- 032 MONOPOLY USA
- 631 SCRABBLE
- 296 RISK (GLOBE-WAR)
- 842 RAGS TO RICHES
- [illegible]
- [illegible]
- [illegible]
- 116 STAR TREK 2 DISK
- 523 TREK 2 3DISK 2DRV
- 482 BLACK DAWN
- 877 BLACK DAWN V2
- 297 NEIGHBOURS 2DISK
- 825 KNIGHTS NOT 1.3
- 962 FEARS A1200 DOOM
- 954 D.O.N A1200 3DISK
- 925 T-ZONER 2 DISK NOAS

STRATEGY GAMES
- 967 COL-CON V2 NOT 1.3
- 968 KINGDOMS AT WAR
- 810 TASK FORCE
- 876 GLOBAL NUKE WAR
- 826 IND-ESPIONAGE A12

PUZZLER GAMES
- 953 CHANEQUES 2 DISK
- 914 JINX A1200 2 DISK
- 859 TEN PUZZLES NOA12
- 250 RUBIX CUBE-ULOUS
- 374 ESC-CASTLE KUMOAT

MANAGER GAMES
- 868 THE SUPER LEAGUE
- 876 SCOTTISH LEAGUE
- 310 TOP OF THE LEAGUE
- 668 USA 94 SOCCER CDS
- 404 METRO MANAGER
- 321 AIRPORT
- 322 MICRO MARKET
- 443 SLAM BALL
- 817 BLOOD BALL

QUIZ GAMES
- 716 POP MUSIC QUIZ
- 309 THE QUIZ MASTER
- 462 WHEEL OF FORTUNE
- 452 CLIFF HANGER
- 991 TREK TRIVIA 2 DISK
- 757 QUESTION MACHINE

LOGIC GAMES
- 603 EXIT 13
- 442 REVERSI V2
- 119 DRAGON'S TILES
- 112 DRAGON'S CAVE
- 323 OXYD LOGIC
- 530 OTHELLO

AMIGA LEISURE
- 444 GOLF DATABASE
- 940 LOTTERY WINNER
- 205 AMIGA PUNTER
- 228 PERM CHECKER
- 886 LEAGUE EDITOR
- 338 5 DISK AMT RADIO

A1200 MEGADEMOS
- 828 3 DISK MAX O/D
- 862 2 DISK SUB XTC
- 995 ZOOT JE
- 624 2 DISK SNAKE RIDE
- 782 COMPLEX REALITY
- 996 SOUL KITCHEN 2 DISK
- 948 BOUNDLESS VOIDS
- 963 2 DISK SWITCHBACK

AMIGA MEGADEMOS
- 994 DESERTDREAM 2 DISK
- 460 TEKNO RAVE
- 430 2 DISK DATA X
- 217 MEGA ALCATRAZ
- 269 DIGI INNOVATION
- 328 INTENSE RAVE
- 449 2 DISK 9 FINGERS
- 262 2 DISK PREDATORS
- 314 J-O-E 2 DISK 2 DRIVE
- 267 REBELS MEGADEMO
- 326 STATE/ART NOT 1.3
- 677 TECHNO-MANIA
- 215 BLUES HOUSE 2 DISK

A1200 SLIDE SHOWS
- 740 4 DISK MANGA
- 507 5 DISK WEIRD/SCI
- 760 2 DISK KING TUT

AMIGA SLIDE SHOWS
- 704 REVELATIONS
- 744 MANGA WORLD
- 061 PAT NAGELS GIRLS
- 765 INVISIBLE WORLD
- 919 DOT STEREO 2 DISK
- 918 ERIC'S GIRLS 2 DISK
- 936 AVIATION HISTORY

ARTWORK PACKAGE
- 465 KIDS PAINT
- 664 FUSION PAINT
- 561 ARTISTIK PACK
- 063 ULTRAPAINT
- 349 SPECTRA COLOUR
- 748 ILLUSION PAINT

ARTWORK PROGRAMS
- 071 GRAPHICS CON KIT
- 070 GRAPHIC UTILS
- 958 IMAGINE DOC/HINT
- 616 IMAG OBJECT 2 DISK
- 133 FRAC LAND BUILD

ANIMATIONS
- [illegible]
- [illegible]
- [illegible]
- 233 COOL COUGAR
- 651 FAIRLIGHT 242
- 302 ODYSSEY 5D NOTA12
- 831 RED DWARF
- 475 BAIT MASKING
- 463 MR POTATO HEAD
- 474 MISS MAMSELLE A12
- 865 TAROT MASTER 2 DISK
- 861 AMY AT THE MOVIE
- 271 NEWTEK V2 2 DISK
- 347 NEWTEK V3 2 DISK
- 187 ANIMATION STUDIO

AMIGA VIDEO
- 329 VIDEO INSCRIPT
- 790 VIDEOTRACKER 5 DISK
- 148 5 - MOOVIE

MUSIC MAKERS
- 220 FUNK KEYBOARDS
- 431 RAVE KEYBOARDS
- 661 MED WORKSHOP 4DISK
- 202 MED V3.2
- 204 SOUNDTRACKER
- 729 DRUM MACHINE
- 787 SONIC DRUM KIT
- 866 OCTAMED TUTOR
- 738 OCTAMED V2
- 136 THE ART OF MED
- 192 THE COMPOSER
- 618 MUSIC DATABASE
- 981 AUDIO ENGINEER

CLASSIC - POP
- 201 PIANO CLASSICS
- 234 VIVALDI 2 DISK
- 342 AMIGA-DEUS
- 213 DIGI CONCERT V2
- 620 BAGPIPE MUSIC
- 750 DOOP DOOBY DOOP
- 248 EXPRESSION V2
- 473 RHYTHMS DANCER

SAMPLES - MODS
- 660 KORG 01W 8 DISK
- 218 HOUSE 2 DISK
- 206 SELECTION 7 DISK
- 647 SOUND FX 3 DISK
- 619 DRUMS 2 DISK

AMIGA EMULATION
- 891 B.B.C MICRO
- 719 C64 EM 2 DISK
- 423 2 DISK SPECTRUM
- 889 PC EM 2 DISK
- 327 ACTION REPLAY
- 300 RELOKICK 1.3
- 955 RELOKICK 1.4A
- 414 SKICK 1.3-3.0
- 927 VIRT/MEM NOT 1.3
- 378 A600 NUMBER PAD

DISK COPIERS
- 380 NIBBLER (NIB)
- 727 MULTI TASK (MT)
- 158 X-COPY PRO
- 357 COPY AND CRACK
- 325 LOCKPICKER V2
- 416 MAVERICK V5

HARD DRIVERS
- 191 H/D CLICK MENU
- 501 H/D PREP A1200
- 779 W/B 3 INSTALL
- 780 W/B 2 INSTALL
- 621 H/D STACKER
- 665 MR BACK UP PRO
- 490 8 DISK MAGIC W/B
- 533 H/D SUPERLOCK
- 957 GAME INSTALL V2

PRINTING
- 065 AMIGA FONT 7 DISK
- 793 C.G FONTS 16 DISK
- 100 PRINTER DRIVERS
- 048 PRINTING STUDIO
- 345 BANNER MAKER
- 243 AWARDMAKER 5 DISK
- 057 TEXT ENGINE V4
- 393 LABEL DESIGNER
- 394 INVOICE PRINT
- 437 EDWORD TEXT ED
- 749 FORM PRINTER

AMIGA BUSINESS
- 832 DATABASES 2 DISK
- 092 ACCOUNT MASTER
- 240 ADDRESS BOOK
- 691 DAILY DIARY
- 470 LITTLE OFFICE
- 244 SPREADSHEET
- 535 UK S.T.D CODES

COLOUR CLIP ART
- 637 6 DISK COL/BRUSH
- 633 7 DISK CLIP ART
- 901 9 DISK WORLD MAP

MONO CLIP ART
- 172 15 DISK PORTFOLIO
- [illegible]
- [illegible]
- [illegible]
- 702 COMMS TUTORIAL
- 413 N. COMMS V3
- 079 OPTICOMMS V2
- 690 TERM 2 DISK
- 801 DMS PRO

PROGRAMMERS
- 288 A-BASIC TUTOR
- 190 PCQ PASCAL
- 481 ABOUT AREXX
- 383 E. MODULAL
- 156 SOZOBON C
- 362 C. TUTOR 12 DISK
- 306 UNDERSTAND AMOS
- 722 TONS OF AMOS

DO IT YOURSELF
- 239 SLIDESHOW MAKER
- 381 ADVENTURE MAKER
- 808 MAKE A DISK
- 097 DEMOMAKER 7 DISK
- 242 MENU MAKER
- 724 AMIGA FAX
- 585 2 DISK PARNET
- 723 TELETEXT NOT 1.3

VIRUS CONTROL
- 506 A1200 VIRUS
- 160 M.V.K PLUS
- 993 VIRUS Z

AMIGA UTILITIES
- 612 3 DISK TOOL-KIT

DISK & SYSTEM
- 166 SYSTEM TESTER
- 467 FILE UNDELETE
- 194 DISK OPTIMISE
- 356 ENGINEER'S KIT
- 245 FIX DISK
- 168 HARDWARE MANUAL

AMIGA EDUCATION
- 766 GEOGRAPHY
- 532 MATHS 5 DISKS
- 644 ENGLISH 4 DISK
- 486 LANGUAGES 4 DISK
- 270 PLANETS 6 DISK
- 304 ENGINES 5 DISK
- 059 AMIGA TUTORIAL

DISKS COST £1.25 EACH, NO MINIMUM ORDER, ALL VIRUS FREE AND USER FRIENDLY

All games are on 1 disk and run on all Amigas unless otherwise stated

PICK AN EXTRA DISK FOR FREE WITH EVERY EIGHT DISKS YOU PURCHASE

UNDERGROUND P.D. 54 CARMANIA CLOSE, SHOEBURYNESS, ESSEX SS3 9YZ. Tel: 0702 295887

Name .... Amiga Model ....

Address ....

.... Postcode ....

Hi Quality Version Available on AMIGALAND.COM

VISAGE COMPUTERS

[illegible] 27 [illegible] ROAD, [illegible], NOTTINGHAM [illegible]

TO ORDER CALL: (0115) 964-2828

TEL OR FAX: (0115) 964-2898

BLIZZARD PRODUCTS — NOW IN STOCK

THE BLIZZARD 1220/4 TURBO MEMORY BOARD

Plugs into the trapdoor of the A1200. It comes populated with 4MB of 32bit Fast RAM (expandable to 8MB), has a realtime clock and an optional FPU socket. The board's 68020 CPU runs at an amazing 28Mhz which is clocked at a speed of 5.05MIPS (Faster than a A4000/030!!!)

1220/4 Inc 4MB RAM	ONLY £229.00
4MB RAM for 1220/4	ONLY £169.00

NEW

THE BLIZZARD 1230 TURBO ACCELERATOR BOARD

The new BLIZZARD 1230MK III turbo accelerator board is the ultimate expansion board for the A1200. It comes fitted with the super fast 50Mhz [illegible] CPU (includes an MMU - Memory Management Unit), has an industry standard [illegible] pin SIMM socket and one PGA type FPU socket.

1230 MkII 0MB RAM	ONLY £229.00
1230 MkII Inc 4MB RAM	ONLY £359.00

A1200 32BIT RAM CARDS

These trapdoor RAM cards increase the speed of your A1200 by 22% (when installed with Fast Memory), comes with a real time clock & socket for math co processor (FPU)

0 MB	4 MB	8 MB
£69.00	£189.00	£349.00

NEW

A4000 CYBERSTORM

Call for latest information on A4000 Cyberstorm and A4000/060 Cyberstorm (82MIPS!!)

STANDARD (3-4 DAYS)

NEXT DAY COURIER

SMALL ITEMS

All prices include VAT

MEMORY BANK

The following Memory SIMMS are industry standard 72 pin (70ns). They can be used in the A4000, A1200 RAM boards and the CD32 SX1 expansion module

4MB	£139.99	16MB	£409.99
8MB	£279.99	32MB	£949.99

IN STOCK NOW !!!

THE APOLLO RANGE OF AMIGA ACCELLERATOR CARDS

Apollo A1200 1230/SCSI2

50Mhz 68030 CPU, industry standard 72 pin SIMMS, FPU socket, battery back-up clock, SCSI2 option. Incorporating burst speed RAM for super fast operation.

CALL NOW FOR AVAILABILITY & PRICING

Apollo 2030/SCSI2

25 or 50Mhz 68030 accellerator board for the A1500/2000/3000. Includes SCSI2 interface. Upgradeable to 64Mb using industry standard SIMMS.

Ring now for details on these and other exciting new products for the full range of Amiga computers!!!

HOW TO ORDER — TEL 0115 964 2828 FAX 0115 964 2898

WE ACCEPT ALL MAJOR CREDIT CARDS INCLUDING ACCESS, VISA, SWITCH & DELTA. CALL THE NUMBER ABOVE TO PLACE YOUR ORDER.

TO ORDER BY POST, MAKE CHEQUES PAYABLE TO "VISAGE COMPUTERS" ALLOW 5 DAYS FOR CHEQUES TO CLEAR.

PD Utilities

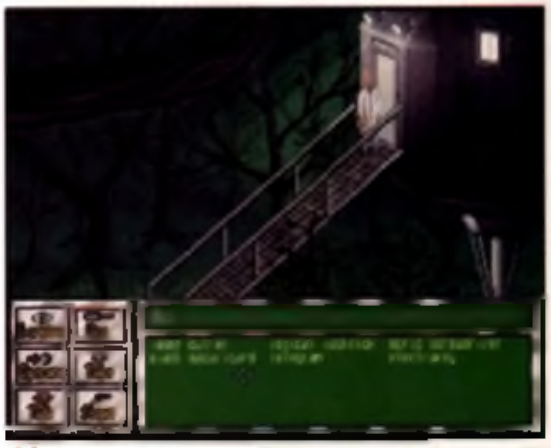
They're calling it the greatest piece of licenseware ever. Find out what it is in this month's selection of PD Utilities.

GRAC
adventure creator

GRAC is the Amiga's first true graphic adventure creator. No boring reams of text. No repetitive strain injury from too much typing. No dull still backgrounds. This program is designed to make point and click adventures, like *Monkey Island*, *Simon the Sorcerer* and *Beneath a Steel Sky*.

There's no real limit on the number of rooms you can have. You can speak to hoards of characters. Music and sound effects are reasonably well catered for and it can use various fonts. The design and functions of the control panel are left up to you.

Best of all, GRAC has its own scripting language. This allows you to have control over the game. It means you can play an animation when two objects are placed together, or have a cut scene like in a film, with the action switching to a different location. Or maybe you could have some object come crashing down when the character walks over a particular spot.



▲ Create your own classic such as Beneath a Steel Sky with GRAC.

▲ There is no limit to the number of rooms you can have with GRAC – it's up to you.

However, there are limitations. There's no AGA support, which is OK if you want to save disk space, but not so good if you want stunning graphics. There's no sprite scaling, so characters won't shrink as they walk into the distance, and multiple player characters, such as the gang in *Maniac Mansion*, would be impossible. Character animation is also rather basic, which can limit the camera angles for your scenes.

The whole thing is admirably rounded off by *Lethal Formula*. It's an example game on the second disk. Whilst it's not quite Indiana Jones, it is considerably better than some of the old Sierra adventures. It doesn't have too many locations but manages to do very well considering that it fits on a single disk.

You do need to have a little programming experience to use GRAC. It wouldn't be half as good if you didn't. It will take you a little while to get to grips with it, but then all the best programs do. Every adventure fan should have this. It won't turn you into the next LucasArts, but it will give you just about everything you need to get damned close. To the best of my knowledge this is the first program of its kind on any computer. GRAC is easily the best licenseware title ever.

Available from: F1 Licenseware, 31 Wellington Road, Exeter, Devon EX2 9DU.
Tel: 0392 493580.
Price: £4.88 including P+P.

95%

Guitar Companion
musical aid

Hi Quality Version Available on AMIGALAND.COM

The main program in this series of five is an old favourite of mine, *Guitar Chord Directory*, which has been updated to Version 2. It's designed to teach guitar chords. It's really simple to use. Pull down a menu, select a chord, and up pop three variations on that chord. Neat.

The number of chords has been increased to 276 with 1,008 positions. That probably makes it the most comprehensive list available in any format. Good news for USA users is that the program is now NTSC compatible. It still shows the fingering too. Not a major update, but worthwhile all the same.

▲ The Music2Tab program from the Guitar Companion 4 licenseware essential for guitar players.

There's a companion program too. Bar Chord Index shows all of the power chords. It would be even better as part of Guitar Chord Index.

There's a simple tuner – a good idea, well implemented but the samples are a bit rough. Then there's Song Book, a simple program detailing 22 songs by their chords. Lastly there is *Music2Tab*. Pump in some standard music and out comes the tablature.

The only things missing from this compilation are vertical chord diagrams and a Fast Fret style program. This set of programs is essential for any guitarist. When used in conjunction with Fast Fret (CLR Licenseware) they make for a killer learning environment.

Available from: PD Drome,
Tel: 0191 584 0817 Price: £5.25 including P+P.

87%

Gas Trick
bill calculator

Here's a nice simple one. *Gas Trick* is a small program designed to calculate your gas bill. It's written in Amos, designed to be really easy to use. So far so good.

Gas Trick lets you save your workings and load them at a later date. Useful if you get more than one bill or even just like to keep a separate record. It has a good on-line help system. Wherever you move the pointer, the program tells you what that area of the screen does. It's simplicity itself to use; enter the start and end of quarter meter readings, click calculate, and you're given an accurate figure for your gas bill.

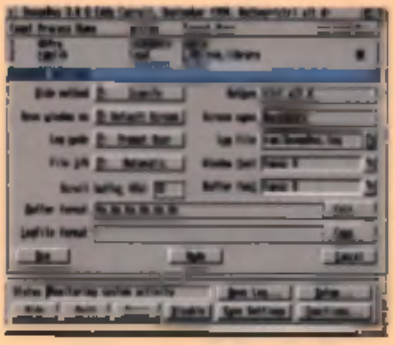
There is one major flaw though. You can't change the background figures. If British Gas change their pricing the program becomes useless.

A VAT change would do the same. *Gas Trick* is a good program while it lasts, which may not be for long. Let's hope version two is a little more configurable (and includes electricity too).

Available from: Roberta Smith DTP, 190 Falloden Way, Hampstead Garden Suburb, London NW11 6JE. Tel: 081 455 1626. Price 90p plus 50p P+P per order.

50%

Little Blue Plastic Disk
various utilities



▲ SnoopDOS 3 from the 'Little Blue Plastic Disk'. The only one of its kind. Get those resident programs working

Bar Clock is a small program which puts the time and date on the Workbench title bar. *Last Alert 2* is a boon to programmers. It gives you information on any software failures without you having to scribble down numbers from Guru meditations. *Zpeed Up* is a supposed ZModem accelerator. It's meant to increase modem transfer rates, but in practice I didn't find any real difference. *Keys Please* is a neat little on-screen keyboard which shows you Rawkey values.

There are also three real goodies. *Installer v1.24*, Commodore's install program now with Workbench 1.3 compatibility.

SnoopDOS 3 is a must for anyone who regularly compiles disks or installs software. It will tell you what program files are missing if a program doesn't work. Lastly there is *MFormat 1.2*. It's a replacement for the standard Workbench disk formatting program. It does useful things like automatically installing the disk. It can't really replace format as it doesn't have a CLI option and won't format PC disks from scratch. Still good if you format lots of Amiga disks though.

Available from: Roberta Smith DTP, 190 Falloden Way, Hampstead Garden Suburb, London NW11 6JE. Tel: 0181 455 1626. Price 90p plus 60 p P+P per order.

75%

Hi Quality Version Available on AMIGALAND.COM

Music 104
music utilities

An unusual disk this one. It can't quite decide what it is. It's trying to be useful to everyone. The featured program is *Composer*, an easy to use music notation program. It can do just about anything in the way of putting music onto a stave. It can even play the result. Unfortunately, none of its support files are included on this disk, which is bad news as the program just refuses to work properly without them.

Hunter III is a music ripper. It looks through memory for sound samples or *SoundTracker* modules, which can then be saved out to disk – useful for borrowing tunes and effects from games and demos. Also included is *SuperPlay*, a standard *SoundTracker* module player.

Inlay Maker is designed to print out inlays for your cassette collection. Just type in a list of the tracks and print. Nothing to write home about. Last is *DSound*, which plays sound samples from RAM or direct from a hard drive.

▲ Get tidy cassette inlays. Inlay Maker from the Music 104 disk. Simple but effective.

Available from: Roberta Smith DTP, 190 Falloden Way, Hampstead Garden Suburb, London NW11 6JE. Tel: 081 455 1626. Price 90p plus 60p P+P per order.

30%

Virus Workshop 4.6
virus killer

Back to the essentials. For a little while now Virus Workshop has been the most comprehensive virus killer around. It's aimed squarely at people who know their Amiga.

Beginners and non-experts should head for Virus Z. Virus Workshop is for the technically adept user.

The options it presents are comprehensive to say the least. It will do anything from a simple boot block search to checking the operating system vectors. It has full support for hard drives, and there's a ream of documentation on hunting viruses.

This is the virus killer to get. Beginners might do well to get it so that they can learn more about the Amiga. This program is a full application, so if you just want a little program that pops up in the background, again, head for Virus Z.

Solid, reliable and trustworthy. This is the program to get if you suspect an infection. It will track down anything unusual.

Available from: Freestyle PD, 108 Woodside Way, Short Heath, Willenhall, West Midlands WV12 5NH. Tel: 01922 710985. Price: £1.50 including P&P

90%

17 BIT Software

Est 1988.

POSTAGE INFORMATION

Please include 50p Postage For UK Disk Orders And 75p Per Item For CD Orders
(Max Postage Payable £1.50) Europe Add 10% For Disk Orders & £1.00 Per CD (Max £5.00)
ROW Add 20% For Disk Orders & £1.50 Per CD (Max £6.00)
All Orders Sent 1st Class Or Air

1st Floor Offices, 2/8 Market Street
Wakefield, West Yorkshire WF1 1DH
TEL (01924) 366982 FAX (01924) 200947
Monday To Saturday 9.00am Till 5.30pm
Answerphone At All Other Times

£1.00 PER DISK

AMIGA PUBLIC DOMAIN

3620 FILLER V3.20
Superb Directory Opus Icons
3619 PENGO DEMO
Superb Pengo Clone!
3618 FINDING THE TRUTH 3
UFO Disk Magazine
3617 FOBS HOT STASH NO. 35
Always Fast Hot New Utils
3616 FOBS HOT STASH NO. 34
Another Superb Utils Comp
3615 (ABCD) CHARLEY CAT 1.1
"Gardening Cat" 2.5MB Anim
3614 TURBOCAT
Shareware Cat Disk Mailer
3613 TRI EMMA V5.0
Barmy But Great Puzzle Game
3612 THIRD DIMENSION NO. 11
3D Cons Kit Disk Mag
3611 (AB) CYBERGAMES
Excellent Beat-em-Up!
3610 LEMMINGS
Relaxing Skill / Puzzle Game
3609 INFECTION
Excellent Puzzle Game
3608 DEMON V1.01
Patience Type Card Game
3607 FLOWERS CARDSET
For Klondike 1.2 or 3
3606 PHOTO CD CARDSET
For Klondike 1.2 or 3
3605 BARTENDER V1.1
Superb Cocktail Database!
3604 PPG MINERS GUIDE TO WB3
Handy Easy Tutorial For WB3
3603 GFX UTILS & ICONS
Includes bootpicks Etc.
3602 NEW UTILS NO. 9
Collection of Useful Utils
3601 NEW UTILS NO. 8
Includes V Checker 8.52
3600 (AB) FINDING THE TRUTH
Disks 1 & 2 About Aliens & UFO
3599 FOBS HOT STASH NO. 33
Stacks more Superb Utils
3598 PRETTY WOMAN CARDSET
For Klondike AGA
3597 FINAL WRAPPER V3.0
Includes Loads of Musical Tool
3596 DELUXE GALAGA V2.5
Mega Mega Mega Game
3595 PLCMAN
Arcade Perfect Pacman

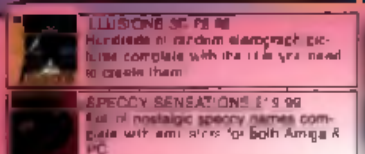
3594 PARNET HD
The all New Parnet
3593 LEAGUE SOCCER CARDS V1.1
Soccer Cards Game
X3592 JPEG AGA V2.1
Best AGA Jpeg Viewer
3591 CONMAN 3 PREVIEW
Playable Puzzle Game
3590 (AB) HOLIDAYS
Tutorial On Good Photography
3589 (AB) PHOTO TECHNIQUES
Good Photo Tutorial
3588 MAGEDESK V1.2
Create Thumbnail Pics
3587 BOMB V3
Thing or a agang clone
3586 FOBS HOT STASH NO. 32
Includes RJK 600 Drivers
3585 NEW UTILS NO. 7
More Bits & Bats
3584 FOBS HOT STASH NO. 31
Another Hot Utils Collection
3583 AGA SPECCY EM V1.5b
Includes 6 Free Games Too
3582 NEW UTILS NO. 6
More Lego Data Utils
3581 INTERNET UTILS
Includes IRC Chat Client
3580 (AB) PAGESTREAM 3F UPDATE
Updates To 3F From 3C
3579 FOBS HOT STASH NO. 30
Another Packed Utils Disk
3578 FRACTALS CARDSET
3577 MARILYN 2 CARDSET
For Klondike 1, 2 or 3
3576 CYBEKO
Create Klondike Sets with Images Etc
3575 ARCHIMEDES CARDSET
3574 DRAGONLANCE CARDSET
3573 BEAUTY CARDSET
3571 CINDY 2 CARDSET
For use With Klondike AGA
3570 ROCKETZ V2.95
Great Thrust Type Game
3569 (AB) MAGIC ISSUE 7
Popular Sci Fi RPG Mag
3568 LETHAL FORMULA
Graphic Adventure Game
3567 POKER MANIA
Good Computer Poker Game!
3566 F1 DEMOS
Inc. Enk, Lotus & Ultimate Quiz

3565 THIRD DIMENSION NO. 10
The 3D Cons Kit Disk Mag
3564 SAMURAI SHOWDOWN
Demo Version Beat-em-up
3563 GRAPHIC UTILS NO. 2
Utils & Magic WB Icons
3562 (AB) TRAVEL GUIDE
Travel Guide To The World
3561 CYBERPUNK NOW NO. 4
Lots of Cyber Related Articles
358000 NEW UTILS NO. 5
Largest Utils Stash
3559 DESERT ISLAND DICK
Funny B&W Animation
3558 (AB) MAD HOUSE
Superb Lucas Arts Style Adv
3557 FOBS HOT STASH NO. 29
Includes Virus Checker 8.50
3556 FINAL WRITER PATCH
Speeds Up Final Writer By Upto 400%
3555 WORLD HISTORY TIMETABLE
Hypercheck History Prog
X3554 (AB) DOVE DEMO BY ABYSS
Superb Demo From Party 4
X3553 (ABC) VIRTUAL DREAMS
Real Fast AGA Demo! HD Required
3552 (ABC) IMAGINE OBJECTS
Stunning Objects !!Wings YWings Etc
3551 MUI V3.3
Latest Magic User Interface
3550 (ABC) LION KING CLIPART
Lots of Cute Hi Res Cliparts
3549 SLICIDE MACHINE
Operation Wolf With Furry Animals!
3548 VIRUS WORKSHOP 4.7
Kill Those Nasty Vir!
3547 AGA ICON DISK
More 256 Colour Icons
3546 PC GAMES INSTALLER 2
Installs Over 20 Different Games
3545 PHASE 4 ACEFIX
Adds Front End 2 Drives Required
3544 JUMBO JAM
Overhead Driving Game
3543 INTERNAL COMBUSTION
Another Superb Speed Clone
3542 FOBS HOT STASH NO. 28
Another Hot Utils Comp
3541 FOBS HOT STASH NO. 27
Includes Latest Virus Z
3540 IMAGINE GIFS FOBS
Inc. Argus Script For Imagine 3

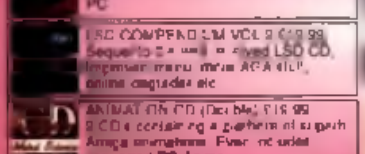
3539 GAMES DISK
Top Hat Willy & Crazy Challenge
3538 MAGIC SELECTOR V1.40
Changes Backdrops & Adds SFX
3537 TERM V4.2 EXTRAS
Includes Utils and Locale
3536 TERM V4.2 000+ VERSION
Archives with NO installer
3535 TERM V4.2
000 Version With Docs
X3534 LION KING CARDSETS
For you Know What
3533 THIRD DIMENSION NO. 9
3D Cons Magazine
3532 DISK-STIK V1.1
Superb Disk Label Printer
3531 CN FORM V1.33
Superb Invoice Progs
3530 ADDRESS PRINT V4.4
Address & Mailshot Prog
X3529 PERFECTION CARDSET
Fantasy Sci Fi Cardset
X3528 RIPPING YARNS CARDSET
British Cartoon Related Cardset
X3527 SHERLOCK PENN CARDSET
Sassy Klondike cardset
X3526 VIPER AGA
4 Player Light Cycles Shareware
3525 FOBS HOT GAMES NO. 1
Loads of New Games
3524 MINIMORPH V1.1.0
Latest Morphing Package
3522 MAGIC WB ICONS
Yet Another Disk Full
3522 FOBS HOT STASH 26
Includes Triple Ripper V3.0+
3521 NEW UTILS
Includes new Jpeg Datatype
X3520 NORMAL CARDSET
For Klondike AGA
3519 VISUAL ART2 V2.0
Very Powerful GUI Designer
3518 ZAXXON
Superb C64 Classic Conversion
X3517 (ABCD) KILLING TIME DEMO
Stunning 4 Disk AGA Demo
X3516 (ABCD) TWISTED AGA
Superb AGA Demo! Needs 1mb RAM
X3515 NEXUS 7
AGA Demo by Andromeda
X3514 (AB) MOTION DAMON 2
More AGA Excellence

Hi Quality Version Available on AMIGAND.COM

AMIGA CD ROMS

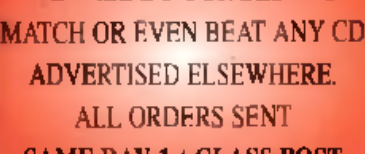


LIGHTSTONE 3D £9.99
Hundreds of random stereograph pictures complete with the title you need to create them

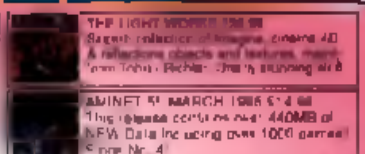


SPECCY SENSATIONS £19.99
Full of nostalgic speccy games complete with emulators for both Amiga & PC

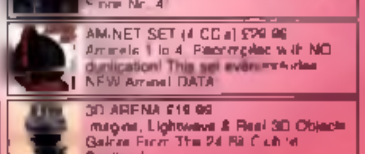
LSD COMPENDIUM VOL 2 £19.99
Sequel to the well received LSD CD. Improvements throughout AGA utils, online upgrades etc



ANIMATION CD (Double) £19.99
2 CDs containing a gathering of superb Amiga animations. Ever wanted converted PC Anims

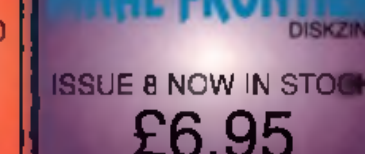


THE LIGHT WORKS 2 £9.99
Superb collection of Imagine, Cinema 4D & reflections objects and textures, mainly from Turbo Silver. Really stunning stuff



AMINET 5 MARCH 1996 £14.99
This disc contains over 440MB of NEW Data Including over 1000 games! Some No. 4!

AMINET SET (4 CDs) £29.99
Aminets 1 to 4. Recent disc with NO duplication! This set even includes NEW Aminet DATA



3D ARENA £19.99
Imagine, Lightwave & Real 3D Objects Galore From The 24 Bit Collection Stockland

AMIGA CD ROMS — SUPER PRICES!

17 BIT CDROM COLLECTION 1370 Of Assorted Disks from 1 to 2300	£29.99
17 BIT CONTINUATION More Library Disks from 2301 to 2800	£14.99
17 BIT PHASE 4 Latest library releases from 2801 to 3351	£19.99
[illegible] for ANOS 1 users. Source Code etc	£19.99
[illegible] 1994 Aminet internet Archive	£14.99
ASSASSINS CD Excellent Games Collection From PD	£19.99
BIG NET December 1994 Aminet Internet Archive!	£14.99
B.C. DISC 1 SFX Collection of Thousands of Music & Sound Samples	£9.99
B.C. CLIPART & FONTS Mainly in EPS Format	£9.99
COPD 1 Free Fish From 1 to 680	£9.99
COPD 2 Free Fish 681 to 780 & More	£9.99
COPD 3 Free Fish From 781 to 890 & More	£9.99
COPD 4 Free Fish From 891 to 1000 Plus Archives & Much More	£14.99
DEMO CD Cider Amiga Demos Pre-Installed	£9.99
DEMO CD II Lots more up to date demos but still only for collectors	£14.99
GEEK TOP VIDEO Superb DTP CD no Latex Fonts Clips PIX etc	£14.99
EUROSCENE Most up to date demo collection from Europe	£9.99
GIFS GALORE CD-ROM GIF Pictures from over 40 categories	£9.99
GOLDFISH CD Fred Fish 1 to 1000 Archives AND Ready to run	£29.99
GOLDFISH 2 Another massive CD Containing everything after F 1000	£29.99
HOTSTUFF 4 PD SOFTS Latest Library CD	£19.99
IMAGINE CD Top Notch Collection of Objects Backgrounds etc	£29.99
IMAGINE ENHANCER Objects Maps Fonts etc Pro Level	£49.99
LSD COMPENDIUM LSD Legal Tools to 151 Anims Games Etc	£29.99
MULTIMEDIA TOOLKIT Science Pictures Clipart etc	£19.99
NETWORK CD Connect CD32 to any other Amiga (requires cable)	£14.99
NETWORK CABLE Adapted Serial Cable for use with above	£19.99
PRO FONTS CD Adobe CG Fonts & Stacks of Clipart	£19.99
RAYTRACING VOL 1 Excellent Collection of goodies & images	£19.99
RAYTRACING VOL 2 More Imagine stuff...Award winning CD!	£19.99
SHEER DELIGHT Adobe only CD ROM	£14.99
SPACE AND ASTRONOMY 1000 GIFS & 5000 Ascii Texts about space	£19.99
SOUNDS TERRIFIC Double CD containing thousands of mods etc	£19.99
THE LIGHT ROM Highly recommended objects CD for Lightwave	£29.99
[illegible] over 600 music mods [illegible]	£19.99
ULTIMEDIA VOL 1 Textures, sounds pictures etc for multimedia	£14.99
ULTIMEDIA VOL 2 More [illegible] & resources	£14.99
WEIRD SCIENCE FONTS CD IFF, EPS, ADOBE ETC	£9.99
WEIRD SCIENCE CLIPART EPS, IMG, IFF & Typefaces etc	£9.99

CD ROM PRICE MATCH

WE WILL DO OUR BEST TO MATCH OR EVEN BEAT ANY CD ADVERTISED ELSEWHERE.

ALL ORDERS SENT **SAME DAY 1st CLASS POST**

THE FINAL FRONTIER DISKZINE

ISSUE 8 NOW IN STOCK

£6.95

BRIAN FOWLER Computers Ltd

Commodore AMIGA

11 North Street, EXETER, DEVON, EX4 3QS

AMIGA

We're Backing Amiga!

Amiga 1200, CD^{32} and A4000

are in extremely short supply. Phone for latest news, prices and availability.

We have available now memory expansions, accelerators, hard disks (SCSI [illegible]), floppy disk drives, multi-io [illegible], printers(impact, inkjet, [illegible]), printer and monitor sharers, anything [illegible]

Want to accelerate your Amiga? Talk to us, we know the answers!

brian_fowler@cix.compulink.co.uk

CD32 Expansion Modules

Add Memory, Floppy Drives, Hard Drives, Keyboard, Printer --- turn your CD32 into a real Amiga!

Great Value at £199.95

Studio II

The Ultimate Utility for Amiga Printing

Now In Stock at only £49.95

Retina BLT Z3
Superb 24 bit video card
4MB version
Only £449.95

Other Cards available ... Piccolo, Picasso, EGS --- you name it!

AMIGA

Imagine a drive which is almost as fast as a hard drive, but which takes disks similar to a floppy drive ...

Imagine filling this hard drive, and then simply replacing the cartridge and instantly having another 105 or even 270 Megabytes of storage available ...

Imagine saving your work to cartridge, and being able to read the data on any similarly equipped Amiga, PC or MAC ...

Now you're thinking SyQuest ... From £99.95

compuserve 100072,1536

Vlab YUVor VLAB Motion.

Superb value for money

Philips 17" MultiScan Monitor. Excellent value at just £599.00

CD32 Connection Kit MarkII

Network to any Amiga or PC

With SERNET - "Just Click and Go"

Only £34.99

We have been selling Kits successfully since October 93! If you want one that works, talk to us!

Upgrade from Connection Kit Mark I available --- Only £16.99

Hi Quality Version Available on AMIGALAND.COM

AMIGA

Contact us if you want an Emplant board or a new mouse or the latest DTP software or a second joypad for your CD32 or a PARNET cable or a CD full of fonts or one full of clip art or CDPD 4 or the latest AMINET CD or a CD32 keyboard adapter or a SCSI controller or a VLAB digitiser or Flowcharting software or anything AMIGA!!!

Turn your 4000/030 into a 4000/040 for only £399.95

Turn your 4000 into a 4000 Tower! - Phone for details. (Also available for 1500/2000, 3000 and 1200!)

Hard Drives

Fujitsu 528MB IDE	£235.00
Fujitsu 928MB SCSI 1/2	£250.00
Fast IBM 1000MB SCSI2	£400.00
Larger Drives	£POA

SCSI Controllers

OKP 4008 £179.00 DKB 4091 £299.00

SCSI CD DRIVES

NEC £179.95 SONY £179.95

Nakamichi 7 CD Drive £349.95

and lots lots more ...

External SCSI cases with PSU available from £64.95

SCSI Towers from £99.95

We stock most SCSI cables and can manufacture custom cables to your requirements here in Devon

Fax Modems

complete with software. Join the Comms revolution!

From £189.95

(BT Approved)

Very Fast 28800bps modems now available.

Can't see what you want? Just ring (0392) 499 755 --- we have lots more than we can show here!

Fax us on (01392) 423480

Compare Our Prices ! We don't charge extra for Credit Cards or Standard Delivery. What You See Is What You Pay !!!

How To Order

By Post

Send your Cheque/Postal order to the address above. Clearly state your name, address, telephone number and the product(s) you require. Prices can change so please phone to confirm price and availability. Please allow seven working days for your cheque to clear.

By Phone

For an even faster service telephone our sales hot line and quote your credit or debit card number. Friendly and expert buying advice is available at all times.

(01392) 499 755

Prices Correct At Time Of Going To Press
E&OE. Please Phone To Confirm Latest Prices

Monday - Saturday 9.30am-5.30pm

01392 499 755

SWITCH MasterCard VISA

All Prices Shown Include VAT. Standard Delivery Is Free. No Hidden Extras.

VIRUS FREE PD

AMIGA PUBLIC DOMAIN AND SOFTWARE

138-139 VICTORIA ROAD, SWINDON,
WILTS SN1 3BU
Telephone: 0793 432176
Fax: 514187

- 3736-2 FONTS & TEXTURES
- 3738 HOTBLOCK
- 3739 EASY CALC
- 3740 EPROMMER ETC
- 3741 KIDS FAVORITES 2
- 3742 MENU LAUNCHER
- 3744 LANDSCAPES
- 3745 HIGH OCTANE
- 3746 ASTRO22 V3.6
- 3747 MENUMASTER V3
- 3748 COCCAINE
- 3749 PERSONAL DIARY 94
- 3750 20 GAMES 2
- 3751 FERRARI AGA SLIDES
- 3753-2 DRUMKIT SAMPLES
- 3756 2 ON THE GREEN
- 3757 RAVE SAMPLES
- 3758 GRAPH PRO
- 3759 2 PARNET SET UP
- 3761 2 STARTREK THEMES
- 3763 2 THE JOURNEY
- 3765 1 MUSIC GUIDE
- 3766-2 THUNDERBIRDS
- 3770 JUNIOR MATHS
- 3772 MAGIC WORKBENCH
- 3777 RESTORE
- 3778 2 STARTREK 4
- 3781 7 SPECTRUM GAMES
- 3786 CDTV TO CD32
- 3786 2 BODYSHOP 5 AGA
- 3791 2 STARTREK PIX
- 3793-2 NINE FINGERS
- 3796 EXPLICIT2 AGA
- 3797 2 FIT CHICKS 3 AGA
- 3798 2 FIT CHICKS 2 AGA
- 3802 ADDRESSER
- 3814 WAYS TO DIE
- 3815 DEATH WALK 1.5 MEG
- 3816 CRUNCHMANIA
- 3818 SUICIDE MAN 2
- 3821 DTV STUFF
- 3822 MAND 2000 AGA
- 3824 ELEVATION 2
- 3826 PARBENCH
- 3827 CRUNCHERS
- 3833-4 MANGA SLIDES
- 3837 BBC EMULATOR
- 3838 ORIGIN AGA
- 3840 GRAPHIC GRINDER
- 3841 ...
- 3842 DISK MANAGER II
- 3843 2 STARTREK AGA
- 3845 FORCASTER 1.2
- 3846 MAGNUM 1.2
- 3847 HIGHWAY CODE
- 3848 3 ICONS PLUS KS2/3
- 3851 GAME TAMER 4.54
- 3852 MULTI PLEX PUZZLE
- 3854 PARNET HELP
- 3855 ASI AUDIO MAGIC V
- 3856 TITLER 2 LO RES
- 3857 TITLER 3 HI RES
- 3858 LCD GAMES
- 3860 BATTLE FORCE
- 3861 IRIDIUM
- 3862 PARA ATTACK
- 3863 EASYCALC+ KS2/3
- 3866 NEURAL ASSAULT
- 3868 PLACEBO INVADERS
- 3870 TACHYON
- 3871 MOOSE DRIVER
- 3872 REAL TV RAVE
- 3873 DITHELL IN SPACE
- 3874 KISS THE CANVAS
- 3875 PRO CAD
- 3876 FOOTY
- 3877 PAY ANALYSER 4
- 3878 TRONICAD 1.3F
- 3879 X-PASSWORDS
- 3880-2 TRAX / TRACKERS
- 3882 EASY SLIDE
- 3883 SOLAR LORDS
- 3884 STEWARDS ENQUIRY
- 3885-2 KIDS DISK 3 & 4
- 3887 ICONS KS2/3
- 3888 MEGABALL AGA
- 3889 DYNAMIC ILLUSION
- 3890 RAZOR REVIVAL
- 3891 CARTS GAME
- 3892 RELOKICK 1.4 KS2/3
- 3893 QUACKERS GAME
- 3894 MAD FIGHTERS AGA
- 3895 ICE RUNNER
- 3896 ASI VIRUS KILLERS
- 3897 KARATE CHAMP
- 3898 DIGGER
- 3899 WACK MAN
- 3900 KLAW2 THE CAT
- 3901 BLACK DAWN
- 3902 BAT DOG
- 3903 AMIGANOID
- 3904 WORLD DARTS
- 3905 ROBS GARDEN
- 3906 BIG WILL & TROLL
- 3907 THE BIG GAME
- 3908 CAFFIEN FREE DIET
- 3909 GALAXY '93
- 3910 CRONIC HOOGE HEG
- 3911 SCORCHED TANKS
- 3912 GALACTICO
- 3913 PD PAINT
- 3914 JOKE BOX 1
- 3915 PACMANS REVENGE
- 3916 SPEEDBENCH 2.1
- 3917 12 SAMPLES
- 3926 MUSICRAFE V1.1
- 3930 11 IMAGINE OBJECTS
- 3943 THE MACHINE
- 3944 THE LEMMINGS
- 3945 SICK BALL II
- 3946-2 BACK TO SCHOOL
- 3947 TELE SCROLL II
- 3948 SHORT MODULES
- 3950 ARC 24 EASYSTART
- 3952 COMMUNICATE
- 3953 LOADSAMONEY
- 3954 INVENTORY II
- 3955 BLASTER
- 3973 FORTRESS GAME
- 3974 ALIEN FRENZY GAME
- 3975 THE ULTIMATE QUIZ
- 3976 A DAY AT THE RACES
- 3977 RADBENCH 1.2 KS2/3
- 3978 QUIZ CHALLENGE
- 3979 AM GIRLY PIX 1 AGA
- 3980 ESCAPE FROM DOOM
- 3981 AGA DATATYPES
- 3982 ANIM BRUSHES
- 3983 NAVY CLIPART
- 3984 MONYE PROGRAM
- 3985 STRIKE N SPARES
- 3986 SCRABBLE
- 3987 VCHESS 1
- 3988 RACING MANIACS
- 3989 SMIDGE GAME DEMO
- 3990 GALAGA DELUXE 1.6
- 3991 STARVIEW
- 3992 ASTRONOMY V2
- 3993 FRENCH AND GERMAN
- 3994 2 AMERICAN FOOTBALL
- 3996 RUTILS
- 3998 ICON ED +
- 4000 PYGMY PROJECTS
- 4001 FRENCH AGA DEMO
- 4002 ...
- 4003 2 BODYSHOP ...
- 4004 3 KLONDYKE AGA
- 4006 3 SPEC EMULATOR
- 4011 3 KIDS CLIPART
- 4014 ESCAPADE
- 4015 AMIGA GUIDE KS2/3
- 4016 CHURCH MUSIC
- 4017 ABOA DEMO
- 4018 OIL DEMO
- 4019 GASTRILL RAVE
- 4020 SON OF BLAGGER
- 4021 CREATION MINE
- 4022 2 READ AND LEARN
- 4024 SOLITAIRE GOLF
- 4025 CLASSIC SOLITAIRE
- 4026-2 ASI MULTIPRINT
- 4028 SOUND COLLECTION
- 4030 WILLIAMS F1 OBJECT
- 4031 THE DESIGNER
- 4032 ASTERIX
- 4033 ILLUSIONS WOW
- 4034 TRANSYFAILURE
- 4035 RAVE LENGTH
- 4036 MONOPOLY
- 4037 INTERFACE ROBOT
- 4038 GUI GUI BLEND24
- 4039 DATAPRO
- 4040 AMICIPHER
- 4041 INTUITION ROUTINES
- 4042 PASSWORD 1.2
- 4043 EXPERIENCE DEMO
- 4044 BIG SUBSTANCE
- 4046-2 SENSUALITY AGA
- 4048 ARTE DEMO
- 4049 ASSTRACT PIG AGA
- 4050 RAMMA 1/2 1.5 MEG
- 4051-2 ANTWARS
- 4053 RANSHEE PREVIEW
- 4054 HE MDAULL PREVIEW
- 4055 FULL MOON AGA
- 4059 VAG NAL MASSACRE
- 4060 GARDEN DESIGNER
- 4061 RAIDERS GROVE
- 4062 VIDEO MAKE
- 4063 16 COLOUR ICONS
- 4066 BASS SAMPLES
- 4071 5 CG FONTS 1.5
- 4076-20 SHORT MODULES
- 4077 ONSLAUGHT
- 4078 DR WHO GAME
- 4080 FREDDY'S IFF FONTS
- 4081 EIGHT COLOUR ICON
- 4082 ALPHABET CLIPART
- 4083 TASK FORCE GAME
- 4084 WAYNES PONG
- 4085 RISE THE TITANIC
- 4086 YATCY GAME
- 4087 MEGABLOCK 2
- 4088 2 MAGIC WB EXTRAS
- 4090 AGA ICONS
- 4091-7 ADOBE FONTS 1-7
- 4098 HOME ACCOUNTANT
- 4099 HOME BUDGET
- 4100 FONT MAKER
- 4101 OXYD PUZZLE GAME
- 4104 HD CACHE
- 4105 PHONE BOOK
- 4106 3 AM COFOM
- 4107 REORG 3.1 KS2/3
- 4108 SHARE MANAGER 2.3
- 4110 IMAGINE TEXTURES
- 4111 MARINE Q&A
- 4112 4 SCALA STUFF
- 4116 AGA BACKDROPS
- 4117 FORMULA ONE MAN
- 4118 X LIST CATALOGER
- 4119 C 4 GAME
- 4120 POLEMIC POKER MAG
- 4121 HI LO CARD GAME
- 4122 KIDS STUFF
- 4123 CONVERT HAM AGA
- 4124 CD TO A1200 PARNET CLONE
- 4125 CDxCDROM AGA
- 4126 FLYING LESSONS
- 4128 PARADRO D II
- 4130 4 KLONDIKE CARDS
- 4135 ROBS HOT STASH 1
- 4136 CITIZEN DRIVERS
- 4137 BACK TO SKOOL 1
- 4138 BIOMECHANOID
- 4140 STATE IN A BOX AGA
- 4141 DYNAMIC SKIES
- 4142 FATAL MORGANA
- 4143 ROBS HOT STASH 2
- 4144 ASI MULTIVISION AGA
- 4145 BEYOND BELIEF AGA
- 4146-3 RAY WORLD AGA
- 4149 2 AGA PACKAGE V3
- 4151 2 BODYSHOP 7 AGA
- 4153 2 BODYSHOP 6A AGA
- 4155 FOOTBALL ICONS OS
- 4156 BACKDROPS
- 4157 APACHE
- 4158 NITROGASH
- 4159 FLAMMABLE STAR
- 4160 ... AGA
- 4161 ...
- 4164 CYBERSPACE AGA
- 4165 AMIGA GUIDE AGA
- 4166 DELUXE GALAGA
- 4167 SYS INFO V3.24
- 4168 QUICKFILE OS 2/3
- 4169 VIDEO MANAGER
- 4170 522 TO EXECUTABLE
- 4171 PROTRACKER 3.1
- 4172 DIRWORK 1.62
- 4173 FILEMASTER 2.0
- 4174 INTUITIONS PRO
- 4175 BMENU V2.0
- 4176 WORKBENCH MATE
- 4180 FOOTBALL LEAGUE
- 4181-2 APOLLO 11
- 4183 PAST WARS
- 4184 EPOCH MASTER
- 4185 HYDROZONE AGA
- 4186 SCORER UTILITY
- 4187 NOSTROMO CHEATS
- 4190 DELTA FORCE
- 4191 BOOT OS 2/3
- 4192 SIRES
- 4193 MORTGAGE CALC
- 4194 CASSETTE PLAYER
- 4195 ORBIT - PARANOID 94
- 4196 ROME
- 4197-2 TALENT O.E.D 2
- 4199-4 GROOVY GAMES
- 4203 THE FEELING (RAVE)
- 4204 DANCE WARS
- 4205 DEVOLUTION ART 3
- 4206 PYRAMID
- 4207 GEVAL A AGA
- 4208 POLKA BROS AGA
- 4209-2 FA FLIGHT LOVE
- 4211 5 RAVE SAMPLES
- 4212 VARKS CLI UTILITIES
- 4218 CAL COUNTER
- 4219 HOCLICK OS 2/3
- 4220 BAZZA N BUT AGA
- 4221 DANGEMOUSE
- 4222 ROME
- 4223 SHED
- 4224 RHYTHM SAMPLES 1
- 4225 RHYTHM SAMPLES 2
- 4226 EVIL INSECTS
- 4227 PLEASE RELEASE ME
- 4228 HIGH FUNKY DANCER
- 4229 TEAPOT AND LAMP
- 4230 ZOMBIE APOC 2 AGA
- 4231-2 BANDIT MAN A
- 4233 ROBS HOT GAMES 6
- 4234 KNOTTY AGA
- 4235 ROBS HOT STASH
- 4236 SUPERLEAGUE
- 4237 4 MINI AGA SLIDES
- 4241 PUNTER
- 4242 2 STARWARS AGA
- 4244 ROBS MUSIC DISK 1
- 4245 ROBS MUSIC DISK 2
- 4246 2 PROJECT APOLLO
- 4248 ELLE KLONDIKE CARDS
- 4249 TERM V3.4
- 4250 SPECCY EM V2
- 4251 DOOM DEMOS AGA
- 4252 PICS AND ANIMS
- 4253 ROCKETZ AGA
- 4254 MACLAREN F1 OBJ
- 4255 MONDCAR OBJECT
- 4256 THUNDERBIRD OBJ
- 4257 SANTA DC XMAS
- 4258 4 THE ICON ARCHIVE
- 4264 AUTO STEREO GRAM
- 4265 TERROR HAWKS
- 4266 BATTLE STAR
- 4267 SPACE OBJECTS
- 4268 4 CINDY CRAWFORD
- 4273 VIRUS WORKSHOP
- 4274 PGP V2.3A
- 4275 LOCK OUT
- 4276 FINAL WRAPPER V2.1
- 4277 STARTREK REKO
- 4278 AWARD MAKER
- 4279 BETTY PAGE REKO
- 4280 CONQUEST OS2/3
- 4281 PANASONIC STUDIO
- 4282 2 MAGIC WB EXTRAS
- 4283 ...
- 4284 SPECTRUM AGA V ...
- 4286 KICK 1.41
- 4287 AMIGA FAX V1.4
- 4288 LIGHTWAVE OBJECT
- 4289 WORLD WWO
- 4290 STREETFIGHTER 2 LOE
- 4292 AMIGADOS GUIDE V1
- 4293 INDYCAR CHALLENGE
- 4294 3 WEATHER GUIDE
- 4297 BUTTON MENU OS2/3
- 4298 FOOTBALL MANAGER
- 4299 NIGHT MATH ATTACK
- 4300 FLAMMING ENGINES
- 4301-2 STARTREK THEMES
- 4303 ACCOUNT MASTER 3
- 4304 SPEEDTRIS
- 4305 AUTOMOBILES
- 4308 MR MATHS
- 4309 CHEATS VI
- 4310 TUBES 1MB
- 4311 5 LASERBREAK UTILS
- 4313 CHEATS DISK
- 4316 MONOPOLY OS2/3
- 4319-5 CHARLEY CAT AM
- 4326 2 TIME ZONER
- 4330-3 GIRLY PIX
- 4338 THE LOST PRINCE
- 4340 FRUIT MANIA
- 4341 XEXOX
- 4342 IMAGE STUDIO AGA
- 4344 HOT GAMES 8 AGA
- 4345 PICTURE MATHS
- 4346 HARRY HADDOCK
- 4347 SHANK GOES RACING
- 4348 GORY XMAS
- 4351 CYBER GAMES PACK
- 4352 ZAXXON C64 CLASSIC
- 4354 7 TRIP IN A VIEN AGA 6MB STUNNING ANIM

LITTLE OFFICE
The complete office suite contains a top rated Wordprocessor with integrated spell checker, a powerful database system and a spreadsheet that has been compared with the likes of Lotus 123.
All three packages for just £7.00
Order code ☐ PC7-3

CATALOGUE DISK
Contains lists of over 4000 Amiga disks, games, utilities, demos, graphics, AGA + software and more. Order code ☐ CAT £1.00 with any order

IMAGINE BUDDY SYSTEM
Superb interactive tutorial system for Imagine 2 Disk set ☐ IBS 2 £4.00

WORKBENCH STUFF COMMODORE FORGOT
Workbench 3 is all very well, but there are still an awful lot of useful tools missing. This is a set of utilities and toys to enhance your workbench even more. Includes amongst other things a very fast disk editor with heaps of in built features like archive, graphics conversion tools, virus checker, tiny clock, a powerful calculator, a disk salver, a system monitor, a large collection of picture datatypes including jpeg, PCX, BMP files etc. Other useful things include a very small screen blanker, a hard disk, system, an effective and easy to use disk copier and for those of relaxation a select kit of workbench games.
A1200/A4000 ONLY
An absolute three disk set
Order code ☐ SCF3-3 Only £7.00

SPECTRUM EMULATOR 2
Complete with over 40 all time classic spectrum games
Order code ☐ SPE6-3 £6.00

100 SPECTRUM GAMES
Over 100 all time classic spectrum games on 5 disks ready to run on your Amiga ... Spellbound, Hungry Horace, Jet Pac, Manic Miner, Star Trek, ..., Boulderdash, ..., Cyclone, Underwurlde, Tranz Am, Atic Atac and loads more.
Order Code ☐ SPG18-7 £16.00

AMIGA BEGINNERS GUIDE
A complete tutorial for Amiga Dos. If you've just purchased your Amiga you're probably having a few problems. I can get a copy of this great 2 disk on screen tutor.
Order code ☐ ABG8-2 Only £8.00

RANDOM DOT STEREOGRAM
Create your own Holusions ... easy to use, simply load in your IFF picture from ... and RDS will convert it and save it back ...
Order Code ☐ RDS01 £3.00

RED SECTOR DEMO MAKER V2
It's here the complete Red Sector Demo Maker complete with tutorial, graphic templates, fonts, example music modules, Vector graphics editor & lots more.
Order now Code ☐ RSM1-3 Only £3.00

A1200 ACTION FREEZE CARTRIDGE IV
Freeze your games and rip graphics, music & sprites, give yourself extra lives etc etc. Available on Amiga disk now for only £3.00
☐ ARC3-1

SPECIAL OFFER
AMIGA 1200 DUST COVER ONLY £1.99 with any order. Order code ☐ X1

PRIORITY ORDER FORM

Name.
Address.

Amiga Model — Payment
Credit Card No. — Exp. date

OVERSEAS ORDERS
Overseas orders are welcome, but there is a minimum order ...

COLLECTING YOUR ORDER
You are welcome to collect your order from any time between 9.30am-5.30pm Monday-Saturday.

ORDERING BY POST
Simply send us your order, listing the items you require, the total cost, and your name & address or if you wish simply mark off the items you wish to order, fill in your name etc. and send us this page with your cheque. Postal order ...

ORDERING OVER THE PHONE
Call any time between 9.30 and 5.30pm Monday to Saturday with your credit card details and the items you would like to order. We accept Access, Visa, Mastercard, Eurocard etc. but not Switch.

POSTAGE AND PACKING
UK & Mainland, add a total of just 50p. Overseas please add a total of £1.00 per title.

ORDER TOTAL

Amount of PD packs Individually Priced	No.	£
...		£
Other items		£
Total grand value		£
Postage & Packing Please add total of 50p P&P in UK		£
Amount enclosed		£

ALL TITLES A ... ARE IN STOCK READY FOR DESPATCH

Hi Quality Version Available on AMIGALAND.COM

SOFT EXPRESS LTD

ORDER HOTLINE

TEL: - 01908 277177

FAX: - 01908 645397

HOW TO ORDER

Order by telephone quoting your credit card number and expiry date. Credit cards are not charged until day of despatch.

If paying by cheque, please make payable to:

SOFT EXPRESS LTD

DEPT. NO. CU AMIGA

6 WHEARSIDE

PENNY STRATFORD

MILTON KEYNES

BUCKS MK19 3AZ

PLEASE NO VISITORS, MAIL ORDER ONLY

Access VISA

JURASSIC PARK £9.99 | **T.F.X (1200) £22.99** | **LION KING (1200) £19.99** | **FIFA INT SOCCER £19.99** | **DUNGEON MASTER 2 (1200) £22.99** | **ALADDIN 1200 £19.99** | **SENSIBLE WORLD OF SOCCER £19.99** | **SHADOW FIGHTER (1200) £19.99**

AMIGA TITLES	SX PRICE	AMIGA TITLES	SX PRICE
A Train & Construction Set	£10.99	Man Utd Premier Champs Double	£16.99
Alpha	£16.99	Master Axe	£16.99
Alien 3	£16.99	Master Axe (1200)	£16.99
Alien Breed 3D	£19.99	Micro Machines	£16.99
Alien Breed 2 1200	£14.99	Mighty Max	£16.99
Alien Breed Special Edition	£6.99	Monkey Island 2	£11.99
Alien Olympic	£19.99	Monopoly	£16.99
All New World of Lemmings	£19.99	Mortal Kombat	£16.99
All New World of Lemmings + 500	£19.99	Mr Nutz 500	£16.99
All Terrain Racer (500)	£16.99	Mutant League Hockey	£6.99
All Terrain Racer (1200)	£16.99	Mutant League Hockey 1200	£6.99
Amazon Queen	£16.99	National Lottery	£6.99
Apidya	£7.99	National Hockey League III	£16.99
Apocalypse	£16.99	On the Ball League Editor	£6.99
Arcade Sports Bowling (Kingpin)	£6.99	Osiris	£6.99
Armour Geddon 2	£14.99	Osiris 1200	£6.99
Award Winners 3 (platinum)	£16.99	Overkill	£16.99
Banshee 1200	£16.99	PGA European Tour	£16.99
Beneath a Steel Sky	£16.99	PGA European Tour 1200	£16.99
Benefactor	£16.99	Pinball Double Pack	£7.99
Big Sea	£6.99	Pinball Fantasies 1200	£16.99
Body Blows	£6.99	Pizza Tycoon	£16.99
Body Blows 1200	£6.99	Pizza Tycoon (1200)	£16.99
Breach 3	£16.99	Populous / Sim City	£16.99
Brian The Lion	£16.99	Powerdrive	£16.99
Cannon Fodder 2	£16.99	Premier Manager 3	£16.99
Champ Manager Compendium	£6.99	Premier Manager 3 (1200)	£16.99
Champ Manager Compendium 2	£16.99	Putty Squad	£16.99
Champ Manager Italia 96	£16.99	Quest for Glory 1	£11.99
Chaos Engine Classic Data	£7.99	Quest for Glory 2	£11.99
Classic Collection Calgary	£16.99	Realms	£6.99
Classic Collection Lucas	£16.99	Roadkill - SVA	£16.99
Combat Classics 3	£16.99	Renaissance Regulars	£16.99
D Day	£21.99	Roll n Tumble	£16.99
Darkmere	£11.99	Rugby League Coach	£16.99
Dawn Patrol	£6.99	Ryder Cup 1200	£16.99
Detroit	£21.99	Sleek and Destroy	£16.99
Disposable Hero	£6.99	Xenophile Golf	£16.99
Dynamics 2000	£16.99	Skidz	£16.99
Elite 2	£16.99	Sliced Bread	£16.99
Elite Plus	£16.99	Sleepwalker	£16.99
Empire Soccer	£16.99	Sim City Classic	£16.99
European Champions	£6.99	Sim City 2000 / 2000 (Hard Drive)	£22.99
Exodus Action	£16.99	Sim City Terrain	£16.99
Eye of the Beholder 2	£16.99	Sim Classics 3 in 1 Pack	£22.99
F1 World Champs (Domark)	£16.99	Simon The Sorcerer	£16.99
Fields of Glory	£16.99	Simon The Sorcerer 1200	£19.99
Flashback	£13.99	Skeleton Krew 1200	£22.99
Football Glory	£16.99	Soldiers Upgrade	£12.99
Football Glory 1200	£16.99	Solitaire	£16.99
Football Manager 3	£16.99	Solitaire 1200	£16.99
Formula One Champions	£16.99	Star Trek 25th Anniversary (1200) (Hard Drive)	£29.99
Formula One Team Manager	£16.99	Stardust Special Edition	£12.99
G2	£16.99	Starlord	£22.99
Genesia	£16.99	Street Fighter 2	£6.99
Global Domination	£6.99	Subwars 2020	£16.99
Graham Gooch 2nd Innings	£6.99	Subwars 2050	£29.99
Graham Gooch World Cricket	£16.99	Subwars 2050 / 2000	£16.99
Guardian 1200	£16.99	Super League Manager	£16.99
Gunship 2000	£16.99	Super Stardust	£16.99
Hanna Barbera Animation	£29.99	Super Streetfighter 2	£16.99
Hannibal	£16.99	Tactics Manager Italy	£16.99
Hannibal 2	£21.99	Tactics Manager Scotland	£16.99
Heroquest 2 Legacy	£6.99	Tactics Manager Suffolk	£16.99
Hired Guns	£29.99	The Blue And The Grey	£27.99
Indianapolis 500	£6.99	The Clue	£6.99
Ishar 3	£21.99	The Settlers	£16.99
James Pond 3 1200	£6.99	Theme Park	£22.99
John Maddens Football	£6.99	Theme Park 1200	£22.99
Jungle Strike	£16.99	Total Carnage	£16.99
Jungle Strike 1200	£16.99	Turbo Trax	£16.99
K240	£13.99	Twilight 2000	£16.99
Kick Off 3 1200	£16.99	Twilight 2000 (1200)	£22.99
Kid Chaos	£16.99	UFO	£16.99
Kids Rule Ok 3	£6.99	UFO 1200	£16.99
Kings Quest 1	£16.99	Ultimate Pinball	£16.99
Kings Quest 2	£6.99	Universe	£16.99
Kings Quest 3	£6.99	Uridium 2	£16.99
Kings Quest 6	£22.99	Valhalla	£16.99
Kings Quest 6 1200	£22.99	Vital Light	£16.99
Lamborghini	£16.99	Voyages of Discovery	£16.99
Lords of the Realm	£22.99	War in the Gulf	£6.99
Maelstrom	£6.99	Wembley International Soccer 1200	£16.99
Magicians Castle	£16.99	Wembley Rugby League	£16.99
Man Utd Premier Champions	£16.99	Wild Cup Soccer	£16.99
		Winter Olympics	£6.99
		World Cup USA 94	£16.99
		X2	£16.99

SOFT EXPRESS SPECIALS

Alfred Chicken 1200	£8.99	PGA Tour Golf 3 Courses	£7.99
Alien Breed 3/Tower Assault	£12.99	Pinball Fantasies (500V)	£6.99
Arabian Knights	£6.99	Rugby League Boss	£6.99
Arcade Pool	£6.99	Sensible Soccer	£12.99
Armageddon	£6.99	Silent Service 2 1Meg	£11.99
Brian Sports Football	£6.99	Sim Earth	£6.99
Bubble n Squeak	£6.99	Slam Tilt	£6.99
Cannon Fodder	£14.99	Skid Marks	£6.99
Chaos Engine 500/600	£7.99	Soccer Kid	£6.99
Commander 1200	£12.99	Subwar Kid 1200	£12.99
Dish Football	£14.99	Stratego	£6.99
D Generation	£7.99	Swiv 500/600	£6.99
Desert Strike	£6.99	Syndicate 500/600	£9.99
Frontier Elite 2	£14.99	Titus The Fox	£5.99
Jaguar XJ220 1 Meg	£6.99	Wing Commander	£6.99
Jimmy Whites Bundle 500/600	£1.99	WWF Wrestling	£6.99
Jurassic Park 1200	£9.99	Zool	£7.99
Lemmings 2	£12.99	Zool 2	£9.99
Man Utd/Chelsea Dagenham	£10.99	Zool 2 1200	£9.99
Nick Faldos Golf	£6.99		
Nigel Mansell Grand Prix	£6.99		

EDUCATIONAL/UTILITIES

ADI English 12-13	£16.99	Fun School 4 5-7	£16.99
ADI French 12-13	£16.99	Fun School 4 7+	£16.99
ADI French 13-14	£16.99	Magamaths A Level	£16.99
ADI Junior Counting 4-7	£13.49	Merlin Maths 7-11	£16.99
ADI Junior Reading 4-6	£13.49	Micro English	£16.99
ADI junior Reading 6-7	£13.49	Micro French	£16.99
ADI Maths 11-12	£16.99	Micro German	£16.99
ADI Maths 12-13	£16.99	Micro Maths	£16.99
ADI Maths 13-14	£16.99	Micro Science	£16.99
Amos Compiler	£16.99	Micro Spanish	£16.99
Amos Easy	£22.99	Mini Office	£29.99
Amos Pro Compiler	£22.99	Mouse Mat	£2.99
Amos Professional	£26.99	Noddys Big Adventure	£15.99
Deluxe Paint 5	£39.99	Paint & Create	£16.99
Deluxe Paint 5 AGA	£51.99	Primary Maths 13-12	£16.99
Disk Box 100 Cap	£7.99	Puzzle Book 2	£5.99
External Disk Drive	£49.99	Spelling Fun 7-13	£16.99
Fun School 4 2-5	£16.99		

BLANK DISKS

RECYCLED COVER DISKS		RECYCLED HD COVER DISKS		DS/DD		DS/HD	
50	£10.99	50	£16.99	50	£19.99	50	£29.99
100	£19.99	100	£29.99	100	£29.99	100	£49.99
200	£34.99	200	£59.99	200	£44.99	200	£89.99
250	£44.99	250	£74.99	250	£54.99	250	£109.99
500	£89.99	500	£139.99	500	£109.99	500	£179.99
1000	£149.99	1000	£269.99	1000	£214.99	1000	£359.99

BLANK DISK PRICES ARE FOR UK MAINLAND ONLY

OTHER PRICES ON APPLICATION

****** CD32 TITLES AVAILABLE ON REQUEST - PLEASE PHONE AND ASK ******

ACCESS/VISA CARD NUMBER | EXPIRY DATE | SIGNATURE

Please supply me with the following titles for computer

ITEM	PRICE
POSTAGE	
TOTAL	

CU AMIGA - MAY 96

DATE

NAME

ADDRESS

POSTCODE

TELEPHONE

REMEMBER- IF YOU CAN'T SEE WHAT YOU WANT, PLEASE PHONE AND ASK!!!

DELIVERY CHARGES

UK MAINLAND - 2nd Class FREE

EEC - £2 per item

NON EEC - £4.50 per item

PRICES INCLUDE VAT AND ARE SUBJECT TO CHANGE WITHOUT NOTICE. PLEASE NOTE SOME TITLES MAY NOT BE RELEASED AT THE TIME OF PRESS. ALL ITEMS SUBJECT TO AVAILABILITY E&OE

Hi Quality Version Available on AMIGALAND.COM

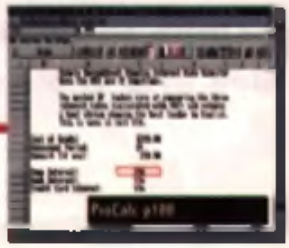
AMIGA workshop

DIRECTORY OPUS 98

How to make *Directory Opus 4*, our February 1995 coverdisk, even smarter by getting it to automatically load files into applications.

PROCALC 100

Spread-meister Andy Leaning shows how ProCalc's complex and IF functions can be combined to solve a difficult spreadsheet problems.



BUYERS GUIDE 101

It's all a question of credit in this month's Buyers Guide. Our resident shopping expert gets the credit for writing this month's column, while you can get credit by reading it.

GRAPHICS MASTERCLASS 102

Peter Lee reveals the secrets of mixing pictures together using the powerful composition tools of *Photogenics*.

MODELER 3D 105

In the last of the *Modeler 3D* coverdisk tutorials, fancy tips for 3D object creation are included along with the remaining menu functions.

SUBSCRIPTIONS 106

Don't miss out on the amazing coverdisks and special offers we've got lined up. Turn to page 106 now.

VIDEO IDEAS 108

Oh yer bike! Tony Horgan checks out the wonderful world of colour cycling. Round and round we go.

BACK ISSUES 110

Missed a great issue? Here's your chance to catch up!

FAQ 119

John Kennedy answers many of the most common questions surrounding the fascinating world of the Internet, modems and comms.

SOUNDLAB 122

Tony Horgan pushes Amiga hardware to the limits as he reveals how to make your Amiga sound like it has much more than four channels.

Regulars

Q+A 116

The questions and answers crew are ready to answer your most challenging technical questions yet.

Q&A MASTERCLASS 120

Less is definitely more as Mr Kennedy finds out when he delves into the tight spot that is compression software.

BACKCHAT 124

What's on the minds of Amiga users around the world? Users from across the globe voice their opinions, views, hopes and fears.

POINTS OF VIEW 128

What's this? Mr Internet himself slagging off bulletin boards? Surely not! Quick, rush to page 128 to find out more.

Over the coming months you should notice several new columns appearing along with the return of some popular ones. Comms, for example, should see a welcome comeback next month. New columns will include a Creative Corner page covering the serious side of creative computing (word processing, spreadsheets, databases etc). If there's something special you'd like to see in our workshop section Email or write to us at the usual address.

Hi Quality Version Available on AMIGALAND.COM

Directory Opus

PART 3

In this month's tutorial learn how to teach Directory Opus to act intelligently, automatically loading files into their relevant applications.

Last month we showed you how to set up buttons to load your most commonly used programs. However, there's an even quicker way of loading those programs, which doesn't involve creating new buttons.

It's possible to configure *Directory Opus* to load specific applications by clicking on files in the directory windows.

For example, you could tell *DOpus* to automatically decompress any files with a .DMS extension.

Alternatively you could have *DOpus* load your word processor whenever you clicked on files ending with a .WP extension. The files would then be automatically loaded into the relevant application.

DMS decompression

As an example let's set up *DOpus* to decompress DMS files in this way. DMS is the compression program used for our cover disk programs. You'll find it in the C directory of most of our recent 'technical' cover disks. It's no problem if you normally use a different compression system, as this example can easily be adapted to work with alternative programs.

DOpus doesn't automatically understand the concept of a DMS file, so we need to tell it what to do. In this case we need to create a new file type, so select File Type from the Configure menu and click on New. The requester that appears lets you chose the type of operation that the new file type will carry out. In this case it's an AmigaDos style command so click on AmigaDos Program.

From the next requester, click on the button to the right labelled Edit Class. Yet another requester pops up. In the middle of this one you'll see a line called File Class and next to it another field called Class ID. Change the text in the first one to DMS Compression and the next one to DMS. Having done this click once on the word Match in text field below – it should turn red and the cursor will be placed in another text field below this that is now orange. In this field enter what's already there and type in:

```
*.dms
```

On the same line as this instruction you'll see a magnifying glass. Click on this and in the new requester that appears click on the line that reads MatchName and finally press Return.

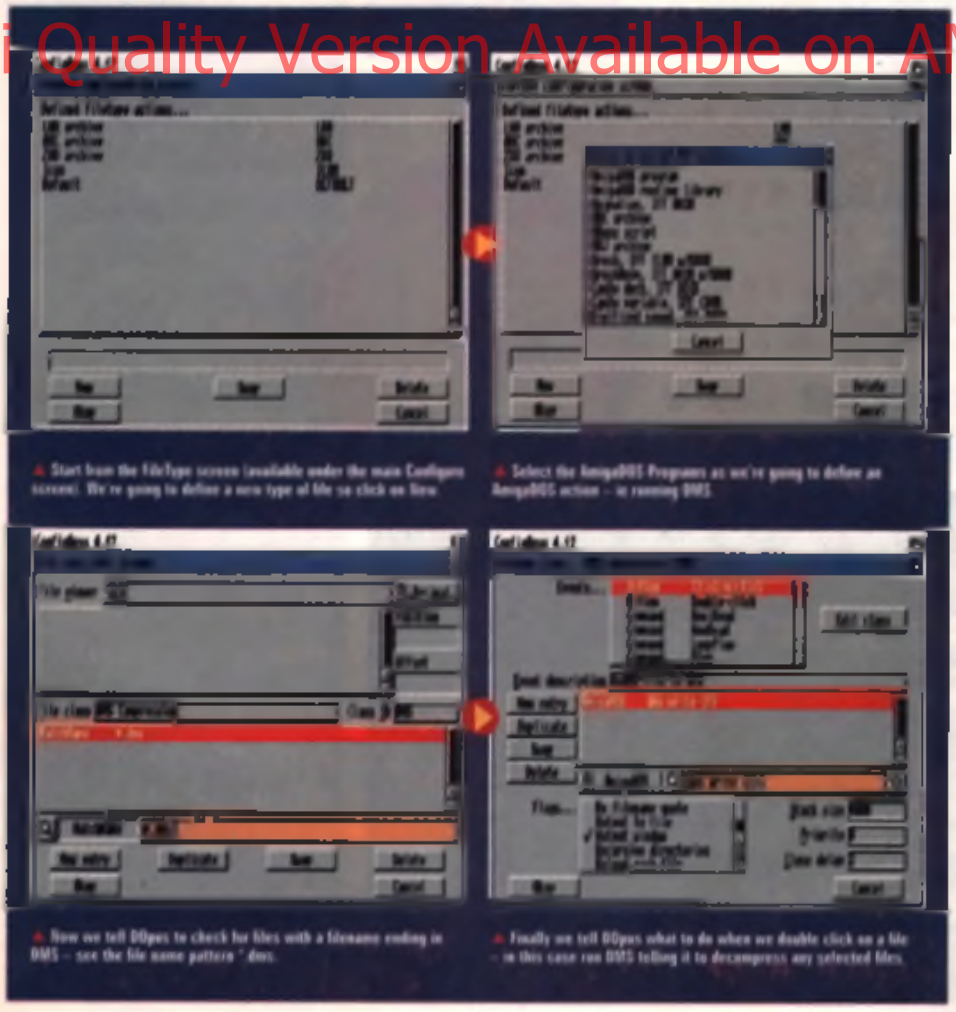
File types

What you've just done is set up *DOpus* to watch out for files of a certain type. In this case it's now looking for filenames that end with the extension of .DMS. The operations we're about to set up will only be carried out on these files. This allows us to perform selected operations on specific types of file and we can check for files in a wide variety of ways.

In this case the '*.dms' line you typed in was a file name pattern. You could type in any AmigaDos wild card pattern here. The MatchName reference tells the program to take this pattern and compare it with the selected file names.

You'll have noticed other types of comparison in the requester that appears when you click on the magnifying glass. From here you can tell the program to watch for files created on a specific date, time, or that have comments and so on.

Now you can click on OK. Next you can define the operations that are carried out, and what actions the user needs to do to perform them. In our case we want to invoke the DMS



▲ Start from the FileType screen (available under the main Configure screen). We're going to define a new type of file so click on New.

▲ Select the AmigaDOS Programs as we're going to define an AmigaDOS action – ie running DMS.

▲ Now we tell DOpus to check for files with a filename ending in DMS – see the file name pattern *.dms.

▲ Finally we tell DOpus what to do when we double click on a file – in this case run DMS telling it to decompress any selected files.

Hi Quality Version Available on AMIGALAND.COM

program when a DMS file is double clicked.

In the box next to the word Events ... click on the line that reads Action Double-Click. In the field below this box labelled Event Description, type in something to the effect of 'UnDMS files to DF0'. This text is just for your own notes, so it doesn't really make any difference to the actual operation.

We've now told *Directory Opus* that whenever you double click on a file it should check to see if the file name has .DMS at the end of it. If it does it can perform an operation we're now going to specify.

Click on the New button on the left-hand side, half way down the screen. A cursor will now appear in a text field just below this. Type in:

```
dms write {f}
```

Don't press Return just yet. Instead click on the button to the left of this field, changing the operation type to AmigaDos (just like we did in last month's tutorial). Now in the box next to the word Flags move the scroll bar down and click on the line Output Window. You can finally press Return and click on the OK button.

All being well you should now see the windows we saw at the start, just before clicking on the New button. This time however you'll see a new line added showing the new DMS file type.

Click on OK and then on the next OK button that appears. You'll now be back in the main *DOpus* screen.

▲ With DOpus and DMS installed you have easy access to a world of CU Amiga cover disks – like ComicSetter from the January issue.

Hi Quality Version Available on AMIGALAND.COM

Try it out

Cross your fingers, because it's now time to try it out for yourself. Insert a recent CU Amiga Magazine cover disk into a drive and copy a file with the .DMS extension from the cover disk to the RAM disk. To do this move the mouse pointer over the left-hand window and click on it once.

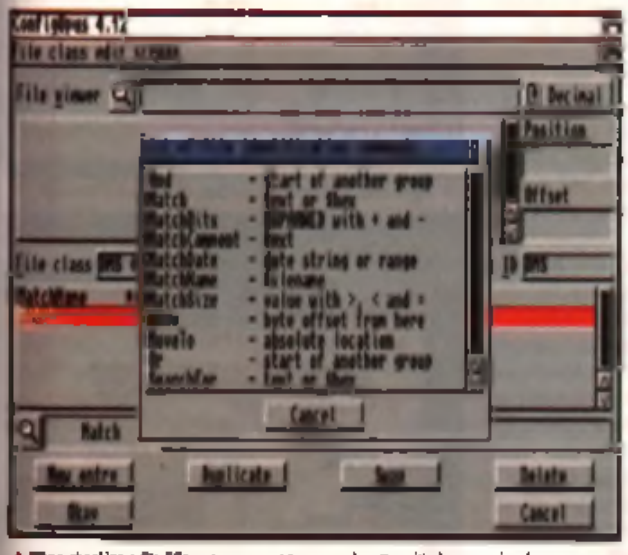
Move the mouse pointer down to the buttons in the bottom left-hand corner and click on the one labelled DF0:. Now move the mouse over to the right-hand window and click once, and then click on the button called RAM:. In the left-hand window you'll see several files, one of which has the letters DMS at the end of it. Click once on this file and then click on the button below labelled Copy.

Now remove that disk and insert one you don't mind overwriting – making sure it's write enabled first. After a few minutes you'll see the DMS file appear in the right-hand window. Move the mouse pointer over the file and double click on it. A window will appear and up comes the DMS program, which decompresses the file to the floppy disk. This may take a while on some Amigas.

You've now added the DMS file type to *DOpus*. If we wanted to we could have set up a button to do the same thing using the examples from last month. Why not have a go? In this case you'd click once on a file and then on the button. The result would be the same, but double clicking on the file is simpler. Once you've understood what's going on, have a look at the other file types that come supplied with *Directory Opus* and see what else is possible. The best way to get to grips with software is to experiment. There's very little you can do to permanently damage your Amiga using software, but just be careful when you're deleting files.

Next month we'll explore some of the menu function configurations. ■

Andy Leaning



▲ When checking a file DOpus compares it to a search pattern it's been previously given. Here we can see some of the types of search patterns it can handle.

Directory Opus 5

This tutorial covers *Directory Opus 4*, the world's best Amiga utility. This was given away on the February '95 issue of CU Amiga Magazine. To order Version 5 of *DOpus*, which looks like being one of the best releases of 1995, call Wizard Developments on 01323 272900. It should be available by the time you read this.

ProCalc Tutorial

PART 3

Thinking about buying a peripheral and want to work out who offers the best interest rates? It's easy with ProCalc – we show you how.

This month we show you how to build a handy little spreadsheet that allows you to compare interest rates from various sources to find best rate of return.

A typical example would be if you were to compare the interest rates offered by a bank, a hire purchase company and a credit card to find out which is best for you. Although it might seem obvious at first, deferred payment and deposits can make this a fairly complex process for the human brain to handle. *ProCalc*, however, eats such calculations for breakfast.

The first step is to set up a spreadsheet with the three different payment terms (see figure one). Here we enter the start date, the initial price (£299), the number of months over which it will be repaid (24 months) and any deposit required. We also enter the percentages for the three financial lenders, in this case the shop, the bank and the credit card company. The rates I've used here aren't meant to be realistic, so don't try finding them in the highstreet.

Note how percentages are entered as '.19' for 19%. You can set the display for currency and percentages using the numeric format option under the format menu.

Get to work

Notice how we only enter the amount, price and repayment period data once. We'll be spending this amount and paying it back over the same period of time no matter where we go, so there's no point in creating it three times.

Having entered this data we can now put *ProCalc* to work. In figure two we use the PMT function (as shown last month) to work out the monthly repayments given the data we already have. Three PMT functions are used to calculate the repayments for the shop, bank and credit card. As the shops will often let us put down a deposit, the shop's PMT arguments differ from those of the other two, with the deposit being subtracted from the total amount to be spent first (see figure two).

Adding deposits

We've now got all the information and in most cases it will be obvious which lender offers the best terms. But if deposits come into play it gets a bit more difficult. Let's put *ProCalc* to work and get it to work out the best deal.

Here we use an IF function (covered in earlier tutorials). We need to test the three rates of return, to find out whether the shop, bank or credit card company is the lowest. Thankfully using nested IFs, ie one IF function inside another, and string arguments this can be done. The complete IF function reads:

'=IF(E13<A14,IF(A13<E15,"Shop","Credit Card"),IF(E14<E15,"Bank","Credit Card"))'

This asks if the shop offers a lower rate than the bank. If so then it compares what the shop is offering to the credit card and then returns a string – 'Shop' or 'Credit Card' depending on which is the case. If the first question returned false, then the bank offers a better rate so this is then compared to the credit card and the better of these two is now returned – 'bank' or 'credit card'.

If the IF words are put in quotes, this ensures that the words will be displayed in the cell. Figure three shows the results of this function. Try changing the percentages and the initial deposit. All being well the cell containing the IF function will change to show which is the lowest interest rate charger.

And there you have it. Although not the most vital spreadsheet in the world this example does start to show some of the real power of *ProCalc*, using the program's powerful financial functions to work out otherwise complex sums, and then using it's IF functions to identify the best option for you. Figure four shows the results when deposits come into play and works out what is best for you in that case.

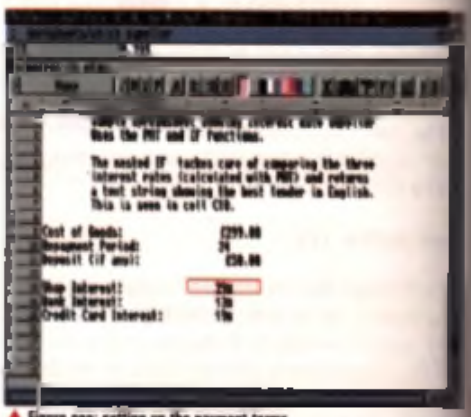
Next month we'll be giving the world of high finance a break and exploring some of the program's other capabilities. ■

Andy Leaning

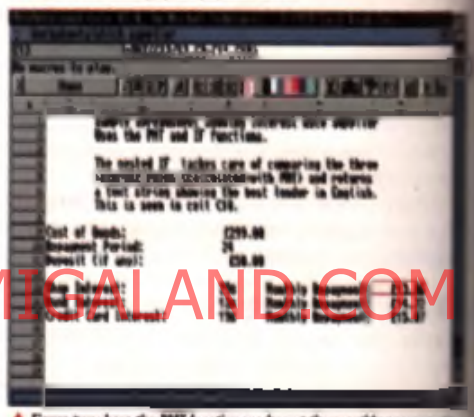
Keypad Problems

Several readers have experienced problems using the numeric keypad of the A1200 and A4000 with *ProCalc* – our November cover disk. It will work with the keypad which can be used for either cursor control or to enter numbers.

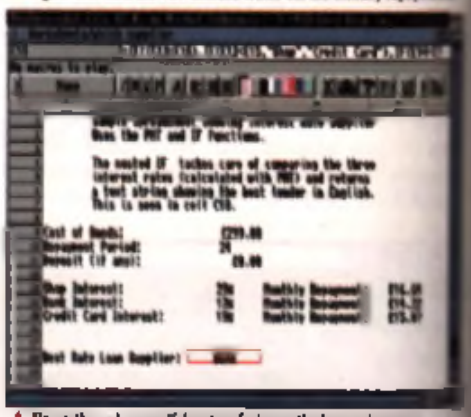
To use the Numlock hold down the Shift key and the Numlock key. As you do so you'll see a message appear in the window title bar saying Numlock is turned on or off. For data entry, turn numlock on. For cursor movement turn it off.



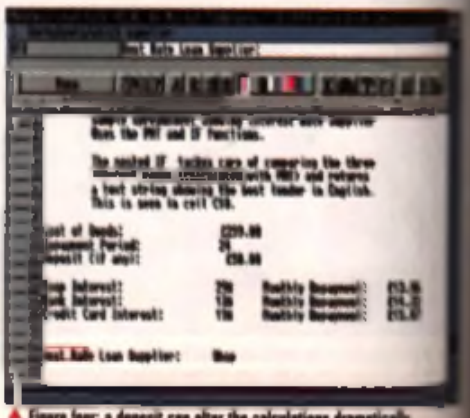
▲ Figure one: setting up the payment terms.



▲ Figure two: here the PMT function works out the monthly repayments.



▲ Figure three: here an IF function finds out the lowest loan rate.



▲ Figure four: a deposit can alter the calculations dramatically.

Hi Quality Version Available on AMIGALAND.COM

Buyers Guide

Buy now pay later might sound ideal but there are pros and cons to purchasing goods on credit. CU Amiga Magazine looks at both sides of the coin.

Walk into any shop these days and you'll find hundreds of bright notices tempting you to part with your money. One of the most favoured mechanisms that high street retailers use to lure you into spending your readies with them is credit.

To some people instant credit can seem like a dream come true. It all sounds so simple. You see something, a monitor for instance, you want to buy but your current funds won't allow it. Enter instant credit and you can have the item you want that second and pay the company back at nice affordable monthly installments. All you have to do is fill out a few forms – simple. Or is it? There is a catch. You must pay interest on the amount borrowed and unfortunately the interest rate is generally fairly steep. You may thus end up paying way over the odds for the item that you are buying.

For example, most interest repayments are described as 'Typical APR 25.5%'. This means you pay 25.5% more than the price of the goods. Watch out for this. The higher the percentage the more you pay. In a quick survey of interest rates advertised in the high street and dealers the average interest rate hovered around thirty percent! If you are looking to buy via credit shop around and see what the various interest rates on offer are, the difference can be surprising.

Is it worth it?

But if you haven't got the cash readily available and want a new printer or monitor surely paying a 'little' extra is worth it. After all you won't notice the difference in the monthly payments and you get to use that shiny brand new Microvitec monitor and AGA screen modes now rather than in 18 months when you've finally saved up for it.

Well yes, it can be. But there are other options. Why not take out a bank loan to pay for it? Bank interest rates (whilst still being steep) are generally lower than credit companies' rates. You may think that saving 10% over a year is small change, but just consider that it could also buy you something extra for your Amiga – a 400dpi mouse or a RAM board, for example.

Then of course there's your flexible friends. We've covered the advantages of buying on credit cards before so I won't dwell on this. But one point to remember is that credit cards often offer the best of both worlds. Instant availability, average interest rates and protection if things go wrong.

At the end of the day the choice is yours. There are certainly times when it's worth paying extra. For example, if an end-of-line model is going for a song or if the bank refuses you a loan (even if you have a perfect credit history). But if, for whatever reason, you do decide to buy on credit tread carefully – it's easy to take a wrong turning and end up in an uncontrollable debt situation.

Interest free

However, not all credit deals are nasty pitfalls waiting to drag you into the arms of the debt collector. There is such a thing as interest free credit which means you can still borrow the money to buy the goods instantly and pay it back over a period of time, but you don't pay any extra for the privilege – there's no interest – it's free!

This really is customer care. The shop is making it easy for you to purchase the goods without any disadvantages. This is the best arrangement and is increasingly common amongst big retailers.

Another payment scheme appearing is delayed credit, the 'buy now pay later' scenario. Here you pay a deposit, get the goods and only start paying for it at a later date. These are invariably hire purchase arrangements, where you pay more than original price. This approach is very popular with large household goods (freezers, HiFi etc) but is now starting to appear in the Amiga market.

Just like hire purchase check the amount of interest that you will have to pay as well as the principle ie the final amount payable. It may be tempting but is it really worth paying hundreds more? Could you get a better interest rate from your bank? This month's *ProCalc* (page 100) tutorial shows you how to calculate the interest payments and find the best credit deal. ■

Andy Leaning

Hi Quality Version Available on AMIGALAND.COM

Graphics Mas

PART 2

One of the most powerful image processing abilities of Photogenics is Composition; with it you can blend two images together seamlessly. CU Amiga Magazine explains the technique.

This month, a two in one tutorial; the rudiments of text manipulation within *Photogenics* and our first attempt at image processing. The aim is to convert a digitised picture into something which looks like an artist's sketch. If you glance at the finished item now, you'll see just how close we can get using the most basic of skills.

Unlike most other art packages, text is created in its own image window in *Photogenics*. On the plus side, this means you can transform it in any way you like before committing it to your main picture; the downside is that you have to go through a number of steps before you can actually place your text where you'd like it.

For the first part of the tutorial we're simply going to write our text, and turn it into highlighted gold lettering. On the way we'll learn about masking, mode effects and placement.

Start *Photogenics* and from the pull down menu Images select Open as/Other, and choose the Text loader. The font we're using came with the software, so it will be listed in the directory of fonts (provided you installed it with the program) it's called 'Venus' and we want to use it at size 74.

You must enter your text before it's rendered, so type in the words star profile, and OK that. The text is now drawn into a separate window, or buffer as it's called. As it stands now, you could copy this onto another image window, but we want to add some sparkle to the lettering, and to do that we need to make a mask (which is another name for stencil – something which protects certain areas of a picture).

From the Project menu, select clone and a copy of your text is created on screen. We will smooth this new image to give it more subtle 3D characteristics so, from the Image menu, select Blur/Gaussian Blur and choose a radius of four. Once it's completed this lengthy task, select the original text window, and make this the Alpha (or mask) image by pressing key 3; a miniature of the picture will locate itself in the Alpha box at the lower right of the screen in the Images toolbar.

Text effects

Now we begin work on our text. Select the blurred image, and call up the Mode requester; click on Emboss, then on the Fill screen gadget (the white tool above the word Fix on the menu toolbox) and watch as the words take on a raised, solid look. 'Fix' this effect now, as this saves the on-screen changes, and allows you to experiment to get the best look for the text.

Try the Antique mode for a gentle glowing effect, or how about a Gradient Fill to simulate gold, by using yellow as the palette colour. To create a dappled, stone-like quality you could try the AddDust or AddNoise modes. Add to anything out, select the Mode, then click on the fill screen icon. If you're not happy with the results, Undo the procedure (click on the icon to the right of Fill Screen) and start fresh.

As with anything in

HiQuality Version Available on AMIGALAND.COM

The text is entered and the top image shows an enlargement after applying a Gaussian Blur. The original text image is below.

The original text becomes the Alpha Channel, or mask image. Select Emboss from the modes menu and the text takes on a metallic, 3D look.

Once the Emboss has been Fixed, you can play with the Modes commands as much as you like. How about an Antique look?

Or a carved effect perhaps to create that stone age look? The Flintstones would be proud of your efforts.

Or how about propelling yourself forward in time and going for a cool chrome effect, obtained with the Solarise mode.

However, I've always been fan of gold, and this is achieved really nicely with a golden yellow colour and the tint settings above.

Once the text is in the Secondary image slot, call up the Compose function. With Edit Points on, the text brush can be moved and re-sized.

Wow, extreme close up. This magnified view shows the text in the final chosen position, just above the model's head.

sterclass

Photogenics, if you like an effect, you must 'Fix' it before going onto something else or you will lose your changes. Frequent saves are also recommended because you'll find yourself developing ideas on the fly which you may want to change later. Going back to a previously saved image can be a life-saver.

Once you're happy with the text, save it. For the record, my text uses a yellow gradient fill. Move the icon representing the completed text image, as shown on the bottom display bar, to the slot marked Secondary at the far right. You can delete the Alpha image now, as it's served its purpose in protecting the area around the text from being altered.

Next job is to load in an image onto which we can position the text. For this tutorial, open up the girl.jpg file which comes with the program. It shows a rather refined woman, but of course you could load in any digitised image; for the time being though, stick with this one.

To add our golden text to this new image, move your text image icon into the Secondary slot, and select the Image/Compose option; this brings up a requester, and also superimposes the text onto the colour picture. Using the mouse you can position the text anywhere on screen; place it directly at the top of the screen. Note the handles on the corners of the text image box; these allow you to re-size the image horizontally or vertically.

You'll notice that I retained the black background on the text, as a severe contrast to the image. But don't worry, if you're wondering how to simply place text on screen, we'll clear that problem up in a short while.

Once the text is placed, OK Compose, then 'Fix' the image and save it.

Artwork

For this second part of the tutorial, we're going to simulate artwork using the powerful mode and drawing tools in *Photogenics*. The first step in our art-forgery is to get rid of the image colours; we're aiming for a pencil/charcoal effect after all. So using the filled rectangle tool, draw out a box starting below our text (which we want to leave intact) and including the remainder of the image. From the Modes menu, select Greyscale. Once the image is converted to monochrome, 'Fix' the changes and save it.

Now from the Mode menu, select LineArt, and drag out a similar filled rectangle to remove many of the in-between greys, leaving us with an outline and a touch of subtle shading.

'Fix' the changes you've made when you're happy with them, and add a shadow behind and to the left of the woman's head by using the filled polygon drawing tool in AddDust mode. Set the dust count to a value of 12% to get a nice, strong textured shadow. To set a Mode value, click on the tool to the right of the Mode button.

To add a 3D effect to the image, you can Paint with a white coloured chalk/pastel brush (size 6, pressure 39%, Transparency 38%) on the cheeks, forehead, chin and lips. Check out the illustrations to see what a difference this makes, bringing the 'dead' image to life.

'Fix' the changes and save. The final touch is the Mystery Girl text. As I mentioned before, here's how to make the background of the text invisible; use the Text loader, and using the Bodacious font type your words.

In the same way as we added the Star Profile text, make the new text your Secondary image and Compose the new text onto our artwork, but this time ensure that the boxes next to Brightness key and Use Paint mode are ticked. That way just your text will be painted on to the image. And once again, you can move and re-size the text before you commit it to the drawing. NOTE – brush type and settings affect the way images are composed. ■

Peter Lee

Hi Quality Version Available on AMIGALAND.COM

Once the image has been Grey-scaled, we can turn it into Line art; here one side of the picture has been treated. Guess which one!

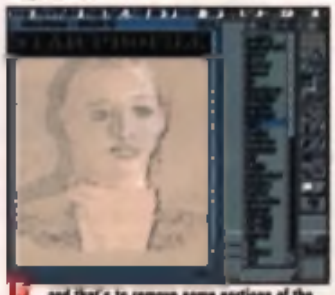
Here, the whole image– apart from the text, which we want to keep intact – has been completely processed.

If you want, you can simulate a grainy paper for our 'drawing' by adding a little dust to the image, as here.

This stage shows the addition of a shadow to the left of the head, drawn with the filled polygon tool in AddDust mode.

This may not appeal to everyone, but I applied a light Antique coating to the picture. Using white and [illegible] the face's highlights.

It's almost finished now; all we need is just a small dodge to make it look more realistic as a drawing ...



... and that's to remove some portions of the lower edge of the image, as that's where I stopped drawing.

Finally, the ghosted text, is applied by Composing a text image with Brightness as the key in the Compose requester.

(01903) 850378

SEASOFT

AMIGA PD & SHAREWARE

A1200 ONLY

A1200 ONLY

GENERAL UTILITIES

MUSIC UTILITIES

GAMES & EDUCATION

NEW TITLES ARRIVE DAILY – THOUSANDS AVAILABLE
PLEASE GIVE US A CALL IF YOU CAN'T SEE WHAT YOU WANT

ONLY £1.00 PER DISK FOR 5 OR MORE

1 disk - £1.50, 2 to 4 disks - £1.25, 5 to 19 disks - £1.00, 20+ disks - 90p

Number of disks shown in brackets
Titles marked 1 will not work on A500 (V1.2/V1.3)
Titles marked (X) are available for over 18s only

SPECIAL VALUE PD PACKS

IMAGINE OBJECTS
16 Disks packed full of quality imagine objects covering many subjects
£12.00

KLONDIKE AGA
Klondike V3 + 10 card sets Airbrush CB4 Puzzled Triad Reko C Crawford Faces, Manga Iron Maiden (A1200 HD Only)
£8.00 for set

GLAMOUR PACK
16 disks packed with AGA beauties from the famous Body Shop collection
£12.00
(A1200 only – not suitable for anyone under 18)

CG FONTS PACK
Over 120 Compugraphic fonts (10 disks) for Wb2 & 3, Wordworth, Pagestream, Final Copy etc
£12.00

OctaMED MODS
Hundreds of modules from the Mid Users Group members collection
10 disks per pack, 5 packs currently available
£8.00 per pack

OFFICE PACK
5 essential tools for the small office – Word Processor, Database, Spreadsheet, Address Book, Diary & Calendar
£4.50

OctaMED 4
Full version of the AMOS compatible music program disk based manual and lots of samples & modules to get you started
4 disks for £8.00

SAMPLE ILLUSIONS
A collection of unique sounds created with the Aural Illusion sample processing package and saved as 8-bit IFF samples
4 disks for £8.00

BITS & PIECES
450 files of various clips, drum loops etc in Music X (10 disks), Amiga MIDI (8 disks) and PC MIDI (8 disks) formats
£8.00
(Please state format required)

AGA KLONDIKE CARD SETS

SPECIAL OFFER – BUY 10 DISKS FOR ONLY £5.00

ASSASSINS GAMES

We stock the complete range of Assassins Games (1-226)
SPECIAL OFFER – BUY 10 DISKS FOR ONLY £5.00

CLR LICENCEWARE

WE STOCK THE COMPLETE RANGE OF CLR TITLES

CLR ENCYCLOPEDIAS

Excellent range of educational disk based encyclopedias, with detailed text, diagrams and photos
CLE01 DINOSAURS 2 (£4.99)
CLE02 GEOLOGY (£4.99)
CLE03 SOLAR SYSTEM (£4.99)
CLE04 ASTRONOMY (£4.99)
CLE14 ECOLOGY (£4.99)
CLE15 BIRDS (£4.99)
CLE23 THE ROMANS (£4.99)
CLE24 THE PONY (£4.99)
CLE27 SOLAR SYSTEM 2 (£4.99)
CLE28 HOME INVENTIONS (£4.99)
CLE30 DINOSAURS 3 (£4.99)
CLE34 THE TITANIC (£4.99)
CLE35 CHEMISTRY (£4.99)
CLE36 STARS & GALAXIES (£4.99)
CLE38 BASIC MASSAGE AND AROMATHERAPY (£4.99)
CLE39 TUTANKHAMUN (£4.99)

MIDICRAFT MAGAZINE

Following on from where the highly successful AMPM left off this new disk based mag from the Craft Brothers is a must for all Amiga musicians
£2.50 per issue
(optional sample disk £2.50)

MORTON STRIKES BACK AGA – £7.00

Brilliant A1200 only version of this classic style platform game with 80+ colourful levels
NON AGA VERSION - £5.00

NOTHING BUT AMOS

Issue 7 of the best selling AMOS disk magazine
£2.50
(£4.50 with support disk)
Issues 1 to 6 also available

OO 2 – £3.95

A1200 AGA Version of the highly successful collection of quality platform games

OO 1 – £3.95

Non AGA version

TYPING TUTOR 2

Updated version of this comprehensive Typing Tutor with structured lessons and speed tests. A must for beginners and experienced typists wanting to improve their skills
£3.99

NEW – AURAL ILLUSION V2 – £20.00

A 16 BIT SAMPLE PROCESSOR
32 bit processing - Powerful editing functions
20 Effects including Time Stretch, Graphic Eq, Mixer & Resonant Filter
16 Manipulations including Tuning, Filters & Modulations etc
Compatible with most popular 8/16 bit file formats including IFF, AIFF, WAV, VOC etc. - Improved Synthesiser Sound Editor
(Note - needs Kickstart 2 or greater & 2 Meg of RAM)

NEW – KIDS ONLY – £10.00

Originally due for commercial release this brilliant collection of educational activities is now only available from Seasoft
COLOURING PAD, DOT 2 DOT, PICTURE SLIDE PAIRS, MUSIC MAKER, WORD SEARCH AND I-SPY
Each colourful activity has various skill levels making this title ideal for kids of all ages

A DROP IN THE OCEAN – £10.99

This audio CD shows what can be achieved with a modest studio setup and an Amiga
12 original compositions from the Craft Brothers in a variety of styles - Pop Reggae, Folk Rock, Progressive Rock etc
In stock NOW

MIDI MODULES

High quality Music-X and Amiga/PC MIDI files (state format required) produced and arranged by Kevan & Gareth Craft
Volume 1 - £15.00 Vol 2 for Keys - £10.00
Volume 3 - £20.00
Dynamite Drums 1 - £10.00 Dynamite Drums 2 - £10.00
Call for further details

NATIONAL LOTTERY – IT COULD BE YOU!

CLU 43 - LOTTERY FORCASTER - £3.95
If you have run out of ideas for picking your numbers then this is for you. Simple to use program picks numbers at random or based on your birth date and displays them as a Lottery Card
CLU 44 - NATIONAL LOTTERY - £3.95
Powerful lottery forcaster which uses various methods including past results to pick the winning numbers - you hope

T.I.10 – £8.50

Latest issue of the MED Users Group Disk magazine
Essential reading for all OctaMED users
(Issues 6 to 9 also available)

OctaMed V5.01

with 220 page Companion tutorial
NOW ONLY £19.95
(£1.00 P&P)

ETHEREAL – £2.50

Amiga floppy disk version of Dave Sullivans track for the 'Amiga Experiment' CD
Although the CD may not now be published you can hear Daves work on this huge OctaMED module

H/W PROGRAMMERS MANUAL

Vol 5 & 6 now available
£5.00 each
Volumes 1 to 3 - £12.50
Vol 4 - £5.00

F1 LICENCEWARE

WE STOCK THE COMPLETE RANGE OF F1 TITLES

F1 GS GIDDY 2 – £3.99

Sequel to the Best Public Domain Game 'Giddy'
Commercial quality platform game

Hi Quality Version Available on AMIGALAND.COM

Modeler 3D

PART 2

The conclusion to our Modeler 3D tutorial looks at the remaining menu options and dishes out some tips for serious modellers.

Following on from last month's look at some of the Modify menu commands, we conclude the series by concentrating on the remaining options from the Modify menu, along with some general tips for 3D modelling. We're jumping straight in where we left off last month, so it might be a good idea to have a quick scan of part one of this tutorial before you get into this one.

Merging points

The Merge Points function is used for reducing the number of points in an object. This has the combined advantages of speeding things up and saving memory. It looks at every point in the object and compares it to every other point. If two or more points are closer than 1/1000 of the total object size they are replaced by a single point. This distance can be altered with the Merge Distance function.

Merging points can be quite time consuming with large objects, so you get a progress bar to let you know how long you're going to have to wait.

The next option, Quantize, is useful for creating odd symmetrical shapes. This moves every point to the nearest grid intersection. In the screen shots shown below I used it with a globe to create a ridged satellite type shape. Use the Grid menu option to change the grid size.

The Array command creates duplicate copies of selected points and polygons. It can create as many copies as you require and offsets each copy by a fixed amount that you can specify. Once you've done this you may need to use the Autoscale option to resize the objects so they can all be seen on screen at once, as a shortcut press the A key.

That's it for the tutorial. If you've got a 3D rendering program, *LightWave* or *Imagine* for instance, you can have a lot of fun with *Modeler 3D*. Whilst it lacks the power of the dedicated modelling tools built in to these applications, in some instances its simplicity makes it faster to use. If you don't have one of those programs, then we hope this has given you some insight into the wonderful world of 3D modelling.

Using VideoScape 3D

In November 1992, CU Amiga Magazine cover-mounted the nifty program *VideoScape 3D*. If you've got this you'll be chuffed to learn that *VideoScape 3D* is the companion program to *Modeler 3D*. You can load and animate your *Modeler 3D* creations in *Video Scape*. To do so save your objects as Binary (ie click on Save As -> Binary). Now load *Video Scape 3D* and load your binary *Modeler 3D* file. Following normal *VideoScape* procedures you'll be able to move it around and animate it. ■

Andy Leaning

TRICKS AND TIPS

To finish off the series here are a few tips and tricks we picked up whilst using *Modeler 3D*.

The key element to creating realistic 3D objects with *Modeler* is understanding the program's many tools, and as usual, experimentation will bring rewards. Play around with it and learn what the various functions do.

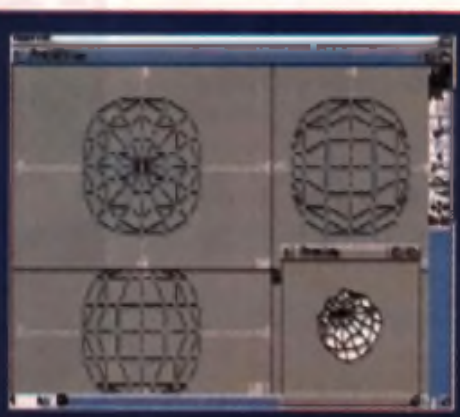
Once you've got an understanding of the program you can then start thinking about constructing complex shapes. Look around you at everyday objects and try to imagine them not as one complex image, but as a collection of lots of smaller shapes. How would they all fit together?

Other tips include keeping the number of polygons to a minimum whenever possible. Try to get into the habit of using large polygons (this saves processing time), and use Merge Points whenever you've used Quantize or another function that's likely to result in overlapping points. When you do use Merge Points, try to select an area first – it will save you lots of waiting time.

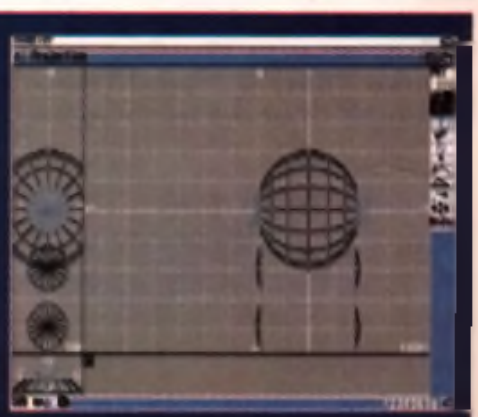
To save time when building up objects, save common objects and build up a library. When you've established a reasonable library you'll be amazed at how quickly you can knock up new shapes. If you want to move a point, first select it. Now hold down the Shift key and click where you want it to be moved to – for individual points it's quicker than the Move Points tool.

HI Quality Version Available on AMIGALAND.COM

▲ In our Quantize, a action last create a globe – you'll find tricks under the Concepts menu. You should now see something like this.



▲ Here we've applied Quantize, moving all the points in their nearest grid point – in this case it gives the globe a pointed extinct look.



▲ Finally, starting with a new globe we use the Array command on the top polygons – duplicating and offsetting them down the page.

FREE G

WHEN YOU SUBSCRIBE TO

CU AMIGA MAGAZINE IS THE ULTIMATE AMIGA PACKAGE, BRINGING YOU:

THE BEST TUTORIALS

You want to get the best out of your Amiga, and we help you do it. Our in-depth features and step-by-step tutorials cover all the latest Amiga developments and programs. Plus there's the added bonus of new promotions including covermounted manuals with some of our hottest coverdisk programs.

Hi Quality Version Available on AMIGALAND.COM

THE BEST COVERDISKS

Only CU AMIGA brings you exclusive and complete versions of Amiga's most desirable utilities. ProCalc, Directory Opus, ComicSetter and MovieSetter are just some of the great programs we've covermounted in the past six months.

THE BEST PREVIEWS AND REVIEWS

CU Amiga Magazine is the choice of the world's top Amiga developers. That means we get exclusive previews and reviews of the latest and most exciting Amiga products. CU Amiga Magazine was the first to bring you news on Deluxe Paint 5, PageStream 3, Directory Opus 5, ImageFX 2 and PhotoGenics.

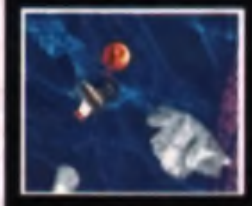
SUBSCRIBE TODAY AND ENSURE THAT YOU DON'T MISS OUT ON WHAT WE'VE GOT LINED UP FOR THE NEXT 12 MONTHS!
PLUS GET A FABULOUS FREE GIFT WORTH UP TO £29.95!
HURRY! THIS OFFER IS AVAILABLE FOR A LIMITED PERIOD ONLY.

FREE GIFT WORTH UP TO £29.95 WHEN YOU SUBSCRIBE!

Subscribe now and you'll also receive a fabulous free gift, worth up to £29.95!*

Clip art and Fonts CD-ROM
Worth £19.95. This disk is jam packed with all sort of clip art and fonts for your Amiga.

Alien Breed Tower Assault
A500/A1200/CD32. Worth £17.99. Try out the latest of Team 17's superb Alien mass-sacre games.



Super Stardust
CD32/A1200. Worth £25.99. Amazing graphics and gameplay, rounded off by stunning tunes!

A high quality 400 dpi mouse
with micro switched buttons. Stylish up to date design. Worth £9.99. Plus two free issues.

25 A-grade DD blank diskettes
including labels, easy to keep in order. Worth £16.95. Plus two free issues.

IFT!

CU AMIGA

OR GET 12 ISSUES FOR THE PRICE OF EIGHT! SAVE £15.80!**

... that's just £3.63 per issue. (Free [illegible] with this offer)

HOW TO ORDER

Simply select which offer you want, fill in the form and send it along with payment to CU Amiga Magazine subscriptions department, EMAP Consumer Magazines, FREEPOST (LE59R1) Leicester LE87 4AB. (Free postage within the UK only)

Or call the subscriptions Hotline on 0858 468888

(9.00am to 5.30pm)

FREE GIFT & OFFERS OPEN TO UK RESIDENTS ONLY

CU AMIGA SUBSCRIPTION ORDER FORM

Please enter my subscription to CU Amiga Magazine.

Please tick/delete as required

RATES - 12 issues including postage

- ❑ **£47.40 UK including free gift of your choice, see below (*UK only)**
- ❑ **£31.60 UK 12 ISSUES FOR PRICE OF EIGHT (**UK only) (offer code A1L)**
- ❑ **£55 REST OF WORLD SURFACE MAIL**
- ❑ **£60 EUROPE/EIRE AIR MAIL**
- ❑ **£80 REST OF WORLD AIR MAIL ZONE 1**
- ❑ **£90 REST OF WORLD AIR MAIL ZONE 2**

FREE GIFT Select one gift (*offer only available to UK subscribers)

- ❑ Super Stardust A1200 (offer code A1E)
- ❑ Super Stardust CD32 (offer code A1F)
- ❑ Alien Breed Tower Assault A500/A1200 (offer code A1G)
- ❑ Alien Breed Tower Assault CD32 (offer code A1H)
- ❑ 400 DPI mouse + 2 free issues (14 for the price of 12) offer code A1I
- ❑ DD disk pack (25)+2 free issues (14 for the price of 12) (offer code A1J)
- ❑ Clip art & Fonts CD (offer code A1K)

METHOD OF PAYMENT

❑ Cheque/Postal Order/International Money Order payable to EMAP Images Ltd.

❑ Access/Visa number ..... Expires .....

Signature:..... Date.....

Name:.....

Address:.....

.....

.....

.....Postcode:.....

IMPORTANT: Free gift and 12 issues for the price of 8 offer available to UK residents only. Please allow 28 days for fulfilment from receipt of order. Your gift will be sent separately from your 1st issue. EMAP Images reserves the right to provide an alternative offer in the unlikely event that your requested gift should become available. ❑ Tick this box if you do not wish to receive any direct mail that EMAP Images Ltd feels may be of interest to you.

Offer closes 19th June 1995. Source code IA1F

Note: Zone 1: Middle East, Africa, USA, South America, Hong Kong, Singapore, Pakistan, Indonesia; Zone 2: Australia, China, Japan, Pacific

Hi Quality Version Available on AMIGALAND.COM

Video Ideas

Colour Cycled Effects

Liven up those drab videos and graphics with some rather excellent colour cycling effects.

Paint programs such as *DPaint*, *Personal Paint* and *Brilliance* allow you to define a range of colours within the palette. These colours can then be 'cycled', so that each colour in the range is changed to the colour of the one preceding it. The colours are shunted along the sequence, with the last colour moving to the first position in range. When colour cycling mode is turn on, those parts of the picture drawn with these colours appear to throb or move. The effects you can achieve are ideal for livening up videos or any of your graphics. Here's a run down of the effects available

Tracers

It's easy to create a motion-blur effect with colour cycling. For this example, set up a range of 16 colours, so that the first 10 colours are black (assuming that you also have a black background) and the following six colours fade from black, through grey, to white. Turn on colour cycled drawing mode and select the first colour in the range as the pen colour.

Using a small brush and either continuous or dotted drawing mode, have a quick doodle on the screen. The lines you draw will be invisible in places, but then fade back into view for a short length, before disappearing again. This is because 60% of the line is drawn in black ink on a black background, while the rest is drawn in white and shades of grey.

Now press the tab key to start the colours cycling. You'll see the white 'head' of your line tracing around the screen, with a grey blur following in its wake. This can be used to simulate rain, fireflies or tracer bullets. Alternatively, you can just use it as an effect to exaggerate or stylise any part of your animation. The screen with the tiny men running across it is an extension of this basic technique. When you press the tab key, you get a stream of little people running around. Instead of using a normal brush, the trails were drawn with an anim brush. If you want to replicate this, remember to switch to colour cycled drawing mode after you've loaded your anim brush.

▲ The little men were drawn by dragging an anim brush across the screen using colour cycled gunstar. Once colour cycling is turned on they run right across the screen with trendy little motion-blurred tracers behind them

Fairground Lights

If by any chance you want to create a fairground style notice board effect, complete with flashing lights that run around the border, then this is your lucky day! Select gridlock mode and a circular brush. This brush will be the template for your light bulbs, so scale it accordingly. Select cycled drawing mode, and paste down your light bulbs around the edge of the screen. The gridlock will keep them all evenly spaced and in line. If you want a bit more realism, you can make up a little highlight using a non-cycled colour and add this to each of the bulbs.

▲ Fairground-style flashing lights are easy to draw and animate with a rainbow palette. Hit the Tab key to start the colours cycling around the screen.

Hi Quality Version Available on AMIGALAND.COM

Time Tunnels

This has got to be the most instantly gratifying use of colour cycling. You'll need *Deluxe Paint*'s symmetry functions to get the most out of it, although similar effects can be done with other softwares.

Here's the plan. Set yourself up with a range that graduates smoothly between two or three colours. Turn on colour cycled drawing and select dotted drawing from the icon bar. Pick a nice big round brush, by selecting a small one, and dragging it out to about 2cms in diameter. Click on the symmetry icon from the tool bar using the right mouse button.

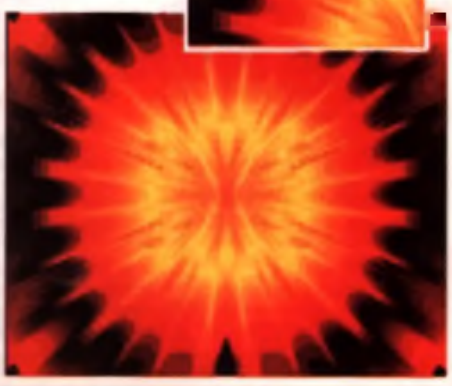
▲ Experiment with different symmetry settings from within DPaint, then draw random patterns for instant time tunnel effects.

This brings up the symmetry options. Choose either 'cyclic' or 'mirror' in this case. For a simple tunnel effect, change the number in the 'order' box to something high, such as 60. This gives you 60 clones of your brush, which appear in a circular formation around the centre of the screen. Click OK to get back to the main screen.

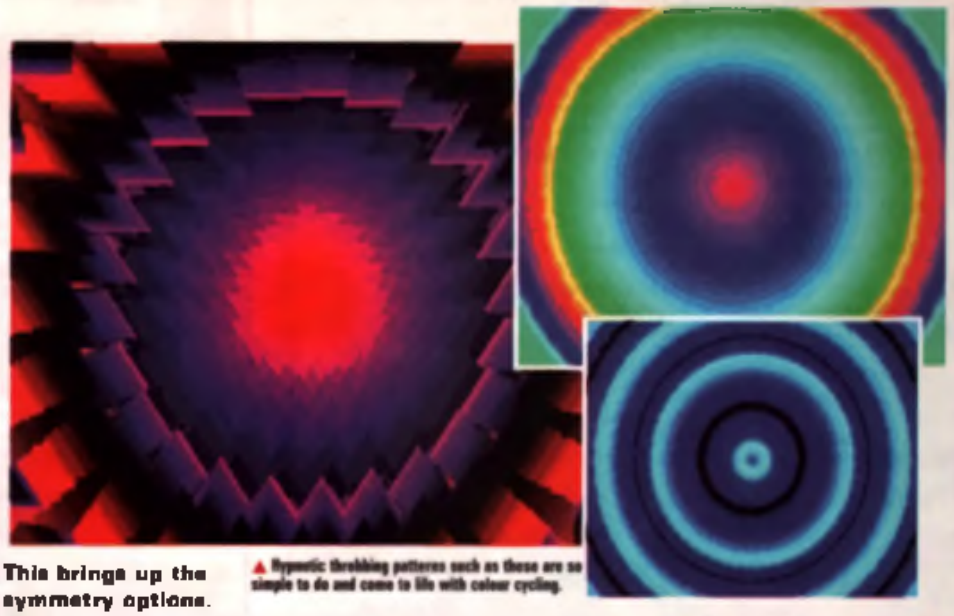
Now you can start drawing. It's best to move the mouse quite slowly, as the computer has its work cut out drawing 60 copies of the brush each time you move. If you move too fast, you won't get a very smooth graduation. It's best to keep the colour cycling off at this stage (not to be confused with cycled drawing mode, which should still be turned on) as it slows things down even more. As you move the mouse in or out of the screen, the trails form a set of concentric circles. When you start colour cycling (with the tab key), the circles appear to move in or out of the screen, depending on how you moved the mouse.

The other method is to use the filled circle drawing tool. Click on this with the right mouse button to call up the options. Click the 'cir' button, move the dither slider to the left, click the random tick box and then click on OK. Move the pointer to the middle of the screen, and pull out a circle that fills the screen.

Move back to the centre and press the left button. This will now draw a series of circles from the middle to the edge of the screen. Press tab to see them move.



Experiment using different brushes, colours and symmetry settings. Also try turning the lights off and playing some spacey music for a nice and relaxing experience.



▲ Hypnotic throbbing patterns such as these are so simple to do and come to life with colour cycling.

Weather Forecast

The TV weather forecast graphics are getting a bit flash these days, but at a push, you can still do similar things with your Amiga. Scanning a map or using one from clip art collection should be no trouble. The clever bit is using colour cycling to animate your weather symbols.

Save your map in a screen mode that uses half the amount of colours you have available. For example, if you can work in a maximum of 32 colours, save the map as a 16 colour image. This leaves the rest of the palette free for you to draw the symbols. Some of these colours need to be cycled, so it's important that they're not used for the map graphics, otherwise the map will appear to glow in places.

Change the number of colours to maximum, and load the map back in, retaining the currently selected screen mode (don't change it to that of the map). On a spare screen, draw your symbols and use the 'tracers' effect as explained in the Tracers panel to draw rain and snow falling from the clouds. Save the symbols as a single screen. Now you can cut them out, jump over to the map screen, and paste them on where you like. Press the Tab key to animate the rain and snow. ■

Tony Horgan

HiQuality Version Available on AMIGALAND.COM

CD ROMS

CD-ROM prices include p&p (UK only)

MULTIMEDIA TOOLKIT 2 - £29.95

At last! The long awaited follow up to the highly successful Multimedia Toolkit 1 has arrived and the double CD has got to be THE release of the year.

The FULL version of OctaMED V5.04, hundreds of modules, samples and utilities from the MED User Group and OctaMED BBS, over 50 Megs of MIDI/Music X files and other goodies from the Craft brothers, 140 Megs of Imagine and 50 Megs of Lightwave objects, hundreds of textures, backdrops, landscapes and other pics in 24-bit J-PEG, Ham-8 and 16-colour (Iff etc. formats), loads of Mega Workbench icons etc. and lots, lots more.

17-BIT PHASE FOUR - £19.95
All the very latest from the 17-Bit collection

ADULT SENSATIONS - £19.95
The perfect companion for all nature lovers

AMOS PD - £19.95
The official AMOS PD library (1 to 621) and lots more

ASSASSINS COLLECTION - £19.95
Over 650 games ready to run from an easy to use menu

CDPD 4 - £19.95
Fish disks 891 to 1000, AM/FM, GNU C/C++ etc.

DESKTOP VIDEO - £14.95
Stacks of textures, fonts, backgrounds, objects & utils

EMERALD MINES - £14.95
Over 10,000 levels of the classic game OK on CD32

FRESH FISH 8 - £24.95
Double CD with the very latest from Fred Fish
(Fresh Fish 7 still available at £19.95)

GOLD FISH - £29.95
Fred Fish 1 to 1000 in archived and ready to run form

GOLD FISH 2 - £29.95
Double CD with the best of Fresh Fish 1 to 6

HOTTEST 5 - £19.95
Very latest demos, games, anims etc. from PD-Soft
(Hottest 4 still available at £19.95)

ILLUSIONS 3D - £9.95
Loads of Stereogram tools & pics for the Amiga & PC

LSD/17-BIT COMPENDIUM - £19.95
LSD Legal Tools 1 to 149, Pics, Anims & much more

NETWORK ROM - £14.95
Various networking tools, Fish, AMOS, T-Bag etc.

PROFESSIONAL UTILITIES - £19.95
Over 1500 disks of applications & utilities from PD-Soft

PROF. GIF £19.95 **PROF. PCX - £19.95**

SOUNDS TERRIFIC - £19.95
Double CD with thousands of music files for Amiga & PC

W.S. CLIP ART - £9.95 **W.S. FONTS - £9.95**

AMINET 5 - £19.95
Latest offerings from the Aminet archive. Thousands of files of applications, mods, demos, tools etc. & over 1000 games

AMINET PACK 1
£34.95
The best value CD buy around. Aminets 1 to 4 recompiled and updated on this massive 4 disk set

ANIMATIONS - £19.95
2 CD set from Weird Science containing over a gigabyte of all types and sizes of animations. All ready to run from easy to use menus

LSD/17-BIT VOL 2
£19.95
Over 600 Meg of the latest demos, leisure, programming & utils software for Kickstart 2 & 3 users.

SPECTRUM SENSATIONS
£19.95
Amiga & PC Spectrum emulators and masses of Speccy games

Buy any 2 CD-ROM's and save 10%
Buy 3 for a massive 15% discount!

MEGA MOUSE
Microswitched
400dpi ultra high resolution
£12.95

KIDZ MOUSE
£12.95

DISKS & BOXES
(£1.00 p&p)

DSDD DISKS
100% error free
(price includes labels)
10 - £4.00
50 - £18.75
100 - £35.00

DSDD BRANDED
10 - £5.00
50 - £22.50
100 - £40.00

DSHD DISKS
10 - £5.00
50 - £22.50
100 - £40.00

DSHD BRANDED
10 - £7.00
50 - £32.50
100 - £60.00

EXTRA DISK LABELS
100 - £1.50
500 - £6.00
1000 - £10.00

DISK BOXES
10 cap - £1.25
(buy 5 for £5.00)
40 cap - £4.00
100 cap - £4.99

TECHNOSOUND SAMPLERS
TURBO - £22.50
TURBO 2 - £27.50

MIDI INTERFACE
£22.50

ACCESSORIES
MOUSE MAT - £2.99
PICTURE MOUSE MAT - £3.99
BUDGET MOUSE - £9.99
MOUSE HOLDER - £2.50
HEAD CLEANING KIT - £2.99
PRINTER STAND - £4.99
KB WRIST SUPPORT - £4.99
MESH MONITOR FILTER - £12.99
GLASS MONITOR FILTER - £17.99

JOYSTICKS
APACHE 1 - £7.50
PYTHON 1M - £9.95
STARFIGHTER - £9.95
ZIPSTICK - £12.95

PC ANALOGUE JOYSTICKS
AVENGER - £12.50
SUPER WARRIOR - £17.50
(PC-AMIGA ADAPTOR - £4.99)

DUST COVERS
80 COLUMN PRINTER - £4.99
132 COLUMN PRINTER - £4.99
14" MONITOR - £4.99
A500/A600/A1200 - £2.99
(state model required)

CABLES & CONNECTORS
PRINTER LEAD (1.8m) - £3.99
PRINTER LEAD (5m) - £6.99
MODEM LEAD - £9.99
AMIGA NULL MODEM - £[illegible]
PRINTER SWITCH BOX - £12.99
CENTRONICS LEAD (1.8m) - £4.99
4 PLAYER ADAPTOR - £[illegible]
LONG JB EXTENDER - £4.99
SHORT TWIN EXTENDER - £4.99
AMIGA SCART LEAD - £10.00
MIDI LEAD (3.0m) - £4.99
MIDI LEAD (6.0m) - £[illegible]

STARTER PACK
10 Blank Disks, Mouse Mat, Head Cleaning Kit, 100 Capacity Disk Box, Amiga Dust Cover (state A500/A600/A1200)
£15.00

PARNET
1.8m lead - £10.00
5.0m lead - £15.00

CD[32] - AMIGA SERIAL LEAD
£19.99

Please remember to add the following Postage & Packing charges
50p to orders for P.D./Licenceware only (£1.50 Europe, £3.00 R.O.W.)
or £1.00 if your order includes other items (Europe & R.O.W. at cost)

Please make cheques/postal orders payable to SEASOFT COMPUTING and send to

SEASOFT COMPUTING, Unit 3, Martello Enterprise Centre, Courtwick Lane, Littlehampton, West Sussex BN17 7PA

or telephone

(01903) 850378

10.00am to 7.00pm Mon-Fri (to 5pm Sat)
Callers by appointment only please

Hi Quality Version Available on AMIGALAND.COM

How You can be Rich within 3 years

My name is John Scott. Let me briefly tell you my story. Five years ago I was broke, living in a cramped rented flat and driving a rusty old Ford Escort. My clerk's salary was not enough to survive on and I was sliding into debt. I felt like a total failure. Things are very different today. I now own a large five bedroom house, a top-of-the-range Mercedes and a Porsche 911 Cabriolet, and my wife and I usually take three overseas holidays each year (we have just recently returned from a superb two weeks in Thailand).

I went from being broke to a millionaire within 3 years (certification available). I have earned more than £3 million in the past five years – not by dreaming or wishing for wealth but through hard work, trying various techniques – making mistakes along the way, but learning hundreds of little known secrets in the process.

So how come my drastic change in fortune? In the beginning I purchased almost every book available that promised great wealth through plans or schemes that required no work, but I soon discovered the information was worthless. I believe that most people selling plans that promise to show you how to make money using little or no effort make their money on the books and plans themselves – not on the formulas outlined in those books.

Five years ago I was lucky enough to meet and become close friends with an amazing forty two year old self-made multi-millionaire. He taught me that it's not just how hard you work that counts as many people work hard all their lives yet have nothing to show for it. He shared with me his most closely guarded secrets. By closely following his advice I became a millionaire within three years. You now have the chance to share in my success because I am making two very special guides, unlike anything else you will have read – or will ever read – available to you!

1. THE STREETWISE WAY TO WEALTH

Some time ago a friend of mine who had recently lost his job, aware of my success, asked me how he could do as I had. I revealed to him my methods. The results were amazing – despite his having no previous business experience he made £5,150 during his first month after following my advice and now earns quite a substantial income. His success made me decide to write a complete step-by-step guide that will enable anyone, regardless of their age, sex or education, to earn an exceptional income – provided they are of at least average intelligence and prepared to work hard and learn new ideas.

I have called this guide "THE STREETWISE WAY TO WEALTH" (A4 format, 96 pages, illustrated. Price £20 postpaid). It shows how the beginner can start to make serious money – it's a lot easier than you may think and you don't have to quit your job to start. Obviously you will want to test it first. I will show you how to get started in your spare time at home. Don't think for one minute that you can't do it – I'll prove you can. **I will reveal to you the money-making secrets that no one else will tell you.** What I reveal is worth many thousands of pounds and if acted upon will make you financially secure for the rest of your life.

This is not some phoney "get rich quick" scheme of the type commonly available. **The information and secrets I will teach you are those that I have used myself every day over the last five years.** I will tell you exactly what to do and how to do it. I'll even supply you with actual names and addresses of useful contacts.

2. HOW TO LEGALLY AVOID EXCESSIVE TAXES AND BUREAUCRACY

It is hard to imagine any economy without some necessary taxes and regulations. But we are now burdened with so many taxes, controls and regulations that the average businessman's biggest expense is paying off the taxman, while his time is increasingly taken up having to deal with senseless bureaucracy.

"THE FREEDOM HANDBOOK" is your escape route. A massive manual (A4 format, 134 pages, 50,000+ words. Price £29.95 postpaid). It has taken over two years to prepare and reveals such secrets as: how to legally avoid confiscatory taxes and bureaucratic interference, open secret bank accounts, hide your assets, protect your privacy, travel the world as an international entrepreneur, obtain a foreign passport, and much, much more!

It will also show you how to get the guaranteed cheapest air tickets, how to fly tourist class but get first class advantages and how to pay the very lowest rates at top class hotels. You will also be given tips and guidelines for growing in authority and power and ultimately for developing an ability to make money and live freely. "THE FREEDOM HANDBOOK" is like no other book ever published and there are many people and several organisations who will not like the fact that all of these secrets have now been revealed. To order either or both manuals write "Financial Freedom" on a piece of paper along with your name and address and the titles required. Enclose a cheque/P.O. for the correct amount and send to me c/o my publishers: CASUTI LTD., Dept. CUA, PO Box 115, St. Helier, Jersey JE4 8QZ, Channel Islands. Credit card holders may phone (01534) 617181 anytime.

Reply promptly and while stocks last, you will receive with your order ***FREE OF CHARGE***, a double length (50-minute) audio cassette in which I personally reveal how to acquire the strength, willpower and energy that will be so important for your future success.

GUARANTEE

If you don't think the material you receive is worth to you at least one hundred times what you paid for it, simply return everything in good condition and my publishers will immediately send you a full refund of your money – no questions asked. What could be fairer than that?

You may ask why I'm willing to reveal all my insider secrets? Well, simply because your success is in no way any threat to my own and of course all those who order my material will be helping to increase my own wealth. Also, many of you will probably seek further consultation and direction from me as your wealth rapidly grows and the consultation fees add to my fortune. But then why should you care if I make a profit so long as I show you how to achieve financial freedom? And I promise I will.

I've said everything I can say, now it is up to you. If you apply my secrets I guarantee that they will bring you wealth. If I'm wrong all you've wasted is a few minutes and a postage stamp. But what if I am right? 30 days from now you can be just another month older or you can be on your way to a better life. You decide.

SWORN STATEMENT: *"On the basis of my professional relationship with John Scott over the past five years I can certify that the above statements are true and factual and that his net personal worth is in excess of one million pounds."* – **M. Thomas, Accountant**

Back Issues

JANUARY 1995
- **ON THE DISKS:** ComicSetter, HyperCache, Flight of the Amazon Queen demo and clip art. Plus free ComicSetter manual.
- **FEATURE:** Create art for

FEBRUARY 1995
- **ON THE DISKS:** Directory Opus 4, Crystal Dragon demo and some handy utilities.
- **FEATURE:** Make your Amiga Faster for under a tenner.

MARCH 1995
- **ON THE DISKS:** Modeler 3D, Easy Ledger demo, Valhalla Before the War demo.
- **FEATURE:** Hook up your hi-fi and video to you Amiga for brilliant sound and vision.

APRIL 1995
- **ON THE DISKS:** MovieSetter, clip art and Fifa International Soccer demo. PLUS free MovieSetter manual.
- **FEATURE:** Animation made easy.

Hi Quality Version Available on AMIGALAND.COM

APRIL 1994
- **ON THE DISKS:** Adorage, Task Force, Master Virus Killer, King's Quest V1 and Dots.
- **FEATURE:** Turning ideas into money.
- **INSIDE:** Demomaniac, Imagine 2.9, Darkmere, Naughty Ones, King's Quest V1, Su... and Si...

SOLD

...E DISKS: OctaMed 4, music samples, fonts and clip art, plus playable demos of Bump 'n' Burn, Bubble 'n' Squeak (AGA only).
- **FEATURE:** CD-ROM... the A1200
- **INSIDE:** ... an ...view of K240 ...pia 2 plus Toby Simpson's sequel to Diggers!

SOLD

JUNE 1994
- **ON THE DISKS:** VideoTracker demo, sound samples, music tracks, plus playable demos of Tactical Manager, Sierra Soccer, Statix.
- **FEATURE:** Amiga Graphics and Video S...
- **IN...** ...a Animation ...James Pond 3, Arcade Pool, and part one of our solution to Beneath a Steel Sky.

SOLD

JULY 1994
- **ON THE DISKS:** GB Route, plus playable demos of Elfmania and Valhalla.
- **FEATURE:** Upgrading Your Amiga
- **INSIDE:** DPS Par Card, Montage, Parger and HiSoft Basic 2, Banshee, Valhalla, Elfmania and a first look at Scavenger.

AUGUST 1994
- **ON THE DISKS:** Art School package, Craft 2 Turbo, plus a playable level from Ishar 3!
- **FEATURE:** Music – your easy guide to creating top tunes.
- **INSIDE:** Preview of Deluxe Paint 5, revi... Cocoon Mu... modem... ...nd

SOLD

BACK ISSUES ORDER FORM

Complete this form and send with your payment to: CU Amiga Magazine Back Issues, Tower Publishing, Tower House, Sovereign Park, Lathill St, Market Harborough, Leics LE16 1EF

Rates: UK £5.99 Europe and rest of world £6.50
All prices include postage and packing. Disks are included with all orders

Please rush me the following back issue(s) of CU Amiga Magazine:

Quantity	Issue

Total amount £ .....

Method of payment (please tick)

☐ I enclose a cheque made payable to EMAP Images Ltd

☐ Please debit my ..... card (Visa, Amex, Access, Diners Club cards accepted)

Access/Visa number ..... Expires ..... / .....

Signature ..... Date .....

Name .....

Address .....

..... Postcode .....

Telephone number .....

Please allow 28 days for fulfilment upon receipt of request. Back issues subject to availability

CU AMIGA CLASSIFIEDS

Hi Quality Version Available on AMIGALAND.COM

the ABC

The Amiga Buyers Compendium
£3.95 incl P/P + 2 free P.D's
Over 200 Suppliers, over 3,500 products.
Now with new PD listings and 2 free P.D's of your Choice!
Listings cover above: 400 Accessories, 350 Applications, 70 Books, 250 Chips, 80 Computers, 200 Drives, 800 Games, 150 Printers, 200 Printer Accessories, 1!!P.D's, 300 CD Roms.

Send cheque to: BAK Distribution
139 Sheffield Road,
Dronfield, Sheffield S18 6GG
Tel or Fax: 01246 290860

FORTRESS AMIGA PD LIBRARY

OVER 16500 DISKS AVAILABLE
ALL AT 95p INCLUDING P&P
Send 3*25p stamps For List Disk

Available are FULL SETS of:-

Fred Fish	LSD Legal Tools
Scope Disks	Assassins Games
Assassins Utils	T/Bag Disks

PLUS
Graphics, Music, Slide Shows, Games, Clip Art, Fonts, Etc...
Far Too Many To List Them All

Contact:- FORTRESS P.D.
26, SPENCER STREET, KEIGHLEY,
WEST YORKSHIRE, BD21 2BU
Phone:- (0535) 609263

CENTURION P.D

31 WASTWATER DRIVE, WOODHOUSE, SHEFFIELD, WEST YORKS, S13 7YN

ATTENTION!!

ALL DISKS ONLY 55p EACH
(For a limited period only)
2 Disk Catalogue ONLY £1.
Includes Free Games
- Free Virus Checker
- Loads of Music Modules
and Complete Centurion PD Lists.
Cheques payable to R. G. Rees (Mrs)
Please add 75p Postage and Packing to all orders
All orders despatched
First Class same day.
Return Cat Disk for a FREE update.

AMIGAHOLICS PD

THE 100% AMIGA PD LIBRARY, WE STOCK DEMOS, MUSIC, ANIMS, MUSIC UTILITIES, SLIDESHOWS, GAMES, LSD LEGAL TOOLS, UTILITIES, ASSASSIN GAME DISKS, FRED FISH, FONTS, CLIP-ART AND MUCH MORE.

THIS MONTHS TOP TITLES
SWITCHBACK - BRILLIANT AGA DEMO (2D)
NEWS 7 & DOVE - AGA DEMOS
MAGIC USER INTERFACE 2.1
SETTLERS EDITOR - DESTROY POPS CROPS ETC
91 D.P.I EDITOR - LATEST TEAM COLOURS ETC
SCOUT 2.0 - SYSTEMS MONITOR
AMIGLOBE - WORLD DATABANK (2D) (HD)

FREE FRIENDLY ADVICE + HELP
SEND SAE FOR CAT. DISK

1 Disk £1.50
Each extra disk £1.00
Order 5 get 1 FREE
Order 10 get 3 FREE
Order 15 get 5 FREE
Order 20 get 10 FREE

FREE P&P
Send cheques, POs to
AMIGAHOLICS PD DEPT CU
238 CHESTER ROAD NORTH
KIDDERMINSTER
WORCS DY10 1TE
All [illegible]

DISKS FROM 66p INC. P&P

PENGUIN PUBLIC DOMAIN

ART, ANIMATION, MUSIC
PLAYABLE DEMOS, FONTS
GAMES, COMPILATIONS
CLIPART, ASSASSINS, 2.2D
MEGA-DEMO, AMIGA GAMES
DEMOS, MUSIC, UTILITIES
FRED FISH, PUTNEY, 1-1000
SCOPE, 220, FRED FISH, 1-1000
T BAG, 1-77, RUDE/INDIAN
UTILITIES, HAM, RADIO
ASSASSINS, AR, 1-10

50p PER DISK

POST AND PACK NC PREP
SEND FOR A FREE CATALOGUE

AMIGA

PO BOX 179
READING
BERKSHIRE
RG3 3DD
ENGLAND

Convert your Amiga! COLOUR MONITOR £8.99

	MADE	DIY
[illegible]	£9.99	£5.99
[illegible]	£19.99	£10.99
664 Plus (includes sound)	£29.99	£8.99

Hagars Electronics, 127 high Street,
Sheerness, Kent ME12 1UB
Tel (0795) 663336
Dept CU Amiga
Cheques/Postal Orders accepted

Lazycat PD

Public Domain Computer Software

29 Woodville, Barnstaple, North Devon EX31 2HH
CAT DISK 2 X 25P STAMPS.
SPECIAL PRICE ALL DISKS 60P
Cheques made payable to D.A. Collins

ACTIVITY SOFTWARE PD

New under new ownership management!!!
Collective catalogues over 3,000 disks to be expanded to 10,000 over the next few months
50p per disk
Introductory Offer
Catalogue disk - send 2x60p stamps
120 Sheffield Road, Dronfield, Sheffield S18 6GG
Telephone or Fax: 01246 [illegible]

DISKS! DISKS! DISKS!

If you can find anyone on this magazine selling GRADE 'A' 3.5" DS/DD disks cheaper than us then phone us!
WE WILL BEAT THAT PRICE!!!

Amount	Price
10	£2.60
25	£6.25
50	£12.00
100	£23.00
200	£44.00
250	£54.00
500	£105.00
1000	£205.00
1000+	£Call

Free labels with ALL disks! All disks are 100% error free and carry a one for one replacement guarantee!
Add £1.50 P&P to less than 50 disks.
Add £3.50 P&P to 50 disks or more.
D P M DISKS (CU) 3 Hagarston Park, Dunmurry, Belfast, BT10 0PX. Tel: 01232 [illegible]

ANVIL IMAGES
PO BOX 2003
BRIGHTON
EAST SUSSEX
BN1 5YR

BIG BYTE P.D.

Amiga PD library
music specialist
All disks £1

TEL 01349 883014

WANTED

Any price Amiga Software in good condition. Send List for Prices
Fast Collection and payment
Working or faulty
Amiga equipment required
Phone for a price
Repairs and Spares phone for prices

OMNIDALE SUPPLIES
86 ROWAN COURT
FRIAR GATE
DERBY DE1 1BU
TEL: 0332 291219

BUS STOP PD

UTILITIES | GAMES | SLIDES | MUSIC | CLR LICENCEWARE

GLAMOUR

ACCESSORIES

We also have lots of good quality second hand games at very reasonable prices. At present we have lots of RPG, Adventure, War Simulations, Sport, Platformers and Shoot-em-ups, so if you want a game and you can't find it then we may have it, you never know.

All titles work on all Amigas, all titles are single disks unless [illegible] in brackets

Tel: (01455) 554982
Between 8am & 5pm
Disks normally dispatched in 24 hours

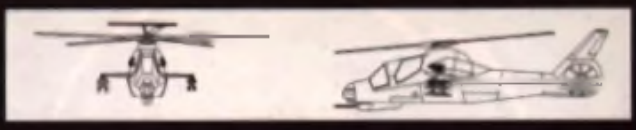
P&P 50p PER ORDER, NOT PER DISK
EUROPE 25p PER DISK
R.O.T.W. 50p PER DISK

ALL DISKS 90p EACH
PLEASE MAKE CHEQUES/POs PAYABLE TO BUS STOP P.D. AND SEND IT WITH YOUR ORDER TO:

BUS STOP P.D. (CU)
2 WYCLIFFE TERRACE,
GILMORTON ROAD,
LUTTERWORTH,
LEICESTERSHIRE LE17 4DX

HELICOPTER FLIGHT SIMULATOR

A battle field scenario simulation of the Boeing/Sikorsky RAH66 COMANCHE



Helicopter flight model specifically written to mimic real flight dynamics. Flight controls: Cyclic/analogues, tail fan pitch, collective pitch, throttle etc. Non linear 2nd order numerical integration in all 6 degrees of freedom. Flight model designed by a degree qualified aerospace engineer.

AMIGA SCREEN SHOTS

65000 sqr km battle area • 12 Missions • Armaments: 4 Hellfire 8 Stinger 20mm Cannon 5 Mode flight control computer • Radar & FLIR targeting systems • 5 View Modes Stunning fragmented object explosions • Over 160 active and passive enemy objects

ONLY £12.95 Includes Instruction Manual, Postage & Packing

Supports A500 A500+ A600 A1200 A1500 A2000 A3000 A4000 & Accelerators PAL only. Rockstart 1.2 or later. Requires 1 MB of ram. Joystick optional

Hi Quality Version Available on AMIGALAND.COM

NSH PD

FROM ONLY 60p PER DISK

UTILITIES | DEMOS | 1200 UTILS | 1200 GAMES

1200 DEMOS

1200 SLIDES

ACCESSORIES

SPECIAL PD PACKS

CD ROMS

HOW TO ORDER

ALL ORDERS SENT BY FIRST CLASS POST THE SAME DAY
ALL PD DISKS WILL RUN ON ALL AMIGAS APART FROM THE 1200 ONLY DISKS

FREESTYLE PD

FOR THE VERY LATEST IN GAMES UTILITIES AND DEMOS

TEL: 01922 710985

GAMES, UTILITIES, DEMOS, SLIDESHOWS, FONTS, CLIP ART, MUSIC, ASSASSINS GAMES 1-22, ESD TOOLS 1-150 AND FRED FISH 1-1000

CATALOGUE DISK £1.00

AMIGA POWER SUPPLY

£27.50 + £1.00 p/p
Direct from manufacturer, built to British Standards.
Official Commodore Part Number.
Suitable for Amigas up to A1200

Send Cheque to:
BBC Distribution
120 Sheffield Road, Dronfield
Sheffield S18 6GG
Tel or Fax 01246 [illegible]

200 TOP AMIGA GAMES
FOR ONLY £19.99!!

Adventures, Puzzlers, Platformers, Sports, Shoot-em-ups, Beat-em-ups Strategy ETC., More Games than You'll Ever Need!!!!

Some of these Games Were Sold At More Than £20 Each! YOU get the LOT For Less Than £20.00!!!

This massive Compilation of FANTASTIC Games Normally Retails at hundreds of pounds!!!!
YOU CANT LOSE!!
Don't Miss Out - Order NOW FROM:
FUTURE SOFTWARE (CU)
Dept A, 8 Magnolia Park, Dunmurry, Belfast BT 17 ODS.
ALL AMIGAS - FAST DESPATCH ON ORDERS
- POSTAGE AND PACKING ADD £2.00

BLACK COUNTRY MICRO'S

THE MIDLANDS NO. 1 AMIGA SERVICE SALES AND REPAIR CENTRE.

FAST AND RELIABLE REPAIRS ON ALL AMIGA AND EXTERNAL HARDWARE.

A500/A500 + £41.00 PRICE INC PARTS, LABOUR, 3 MONTHS GUARANTEE AND RETURN DELIVERY !!

** A600/A1200 PLEASE CALL FOR FREE QUOTATION** (FOR REPLACEMENT DRIVE OR KEYBOARD PLEASE ADD £10)

A1200 HDD UPGRADES:- 250D £70.00 / 420D £79.00 AND £299.00 / 33 MHZ FPU SIC CRYSTAL £40.00

A1200/A600 HARD DRIVES 2.5 INCH IDE 120 MB £120 / 170 MB £140 / 250 MB £160

A1200 / A600 HARD DRIVES 3.5 INCH IDE 130 MB £80 / 365 MB £100 / 540 MB £120 / 1 GB £240

CABLE KITS AND FULL INSTRUCTIONS 2.5" £9 / 3.5" £13 X LINK 24-WAY ADAPTER £20.00 / X LINK 25-WAY ADAPTER £240.00

BOTH ADAPTERS AT APPROVED WITH CABLE, INSTRUCTIONS, SCREWS AND AMIGA PRE SOFTWARE!!

** LATEST CD A600 TITLES NOW IN STOCK**

AMIGA TOOLS CD-ROM £19.99 / GIGABASE TERRIFIC £19.99 / 17 BIT PHASE 4 £19.99 / CLIP ART £9.99 / FONTS £9.99

ADULT SENSATIONS £19.99 / GOLD FISH VOL 1 £29.99 / SPACE AND ASTRONOMY £19.99 / PROF UTILS 1500 £19.99

LSD TOOLS £19.99 / LSD TOOLS 2 £19.99 / 17 BIT 1 + 2 £24.99/WHITEST 4 £19.99 / LOCK & LOAD £24.99 / DEMOS 1 £19.99

DEMOS 2 £17.99 / LOCK AND LOAD 2 £19.99

(PLEASE ADD £1 P&P ON ALL CD-ROM TITLES)

FOR ALL YOUR AMIGA REQUIREMENTS PLEASE CONTACT:

BLACK COUNTRY MICRO'S

24 [illegible], PENSNETT FIELDS, KINGSWINFORD, WEST MIDLANDS, DY6 7QB

TELEPHONE (24 HOURS) 01562 729214

KOBRAHSOFT QUALITY PD

Don't get bitten by buying cheap, poor quality P.D. we sell the best. If we haven't got what you want, please tell us and we will get it. we have over 5000 titles available, so we should have something to interest YOU! We pride ourselves on our speed of delivery - we try and send out every order on the same day it is received - no waiting for DAYS. We accept payment by cheque, P.O. and Access and Visa. Tagbuster on Disc of what we stock:-

UTILITIES

MEDPLAY - plays music modules
MORT V1.56 - Text Viewer
INPUT LOCK V1.1 - Security Lock
CHARACTER GENERATOR
D.M.S. V2.03 - Data cruncher
MEMPOOLER V1.2 - DIR Utility
CD PLAYER V1.1 - Plays your CD's
A BACK UP V4.03 - Back up utility
ADAM V3.0 - Calendar
VIRUS CHECKER - Detects viruses
CALENDAR - Super Calendar Prog
POWERCALC V1.5 - Draws graphs
TURN V4.0 - Latest Comms program
POWERPLAYER V4.0 - Music Util
RECALL V2.3 - Diary program
SCHEDULER V1.2 - Organiser

MISSILES OVER SIBERIA
NIBBY 2
MUTANT PENGUIN
MULTI TETRIS
TIME RUNNERS 17
RUNNERMIND 4
SPEEDMAN 3
DEATH STAR II
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

We have hundreds more games and utilities and also:-
DATABASES, GRAPHICS, ANIMATIONS, SLIDES, MUSIC AND SOUND DEMOS, EDUCATIONAL PROGRAMS, FONTS, CLIPART, BUSINESS PROGS. We also stock a wide range of Spectrum and Sam Utilities

Prices:- 1-9 Disks: £1.10 each, or send £1 for CAT disk or order on-

KOBRAHSOFT, Pleasant View, Holme Lane, Holme, Longton, Stoke-on-Trent, ST3 5BH
or phone 078 250 5244. We also take Access and Visa.
P+P U.K. 75p, others £1.50.

Hi Quality Version Available on AMIGALAND.COM

SPECIAL OFFERS

AMOS PROGRAMMERS PACK
Over 500 AMAZING AMOS source code programs for AMOS Classic and AMOS Pro, developed by the TOP AMOS programming teams around the Globe. Utilities, Fancy effects, Handy routines, Games etc!
10 DISK SET - £9.50

DJ SAMPLES PACK
Hundreds of HIGH quality DJ Samples, including drums, guitars, bass, vocals, brass common sounds etc. Perfect for any Music Programs
5 DISK SET £5.50

THE SPORT MANAGERS PACK
Formula one, USA 94, Speedway, Day at the Races, Super League, Great Management games for the Sports Fanatics !
5 DISK SET - £5.00

THE EDUCATIONAL PACK II
World Database, Evolution, Units, Maths Drill, German Tutor, Cuckoo Tagerword, Elements, Planetarium, Maths Reflex I/O/S, Convert, Dwellah, The Solar System plus MORE!!!
5 DISK SET - £5.50

THE UFO FILES
4 Megabytes of UFO related text files from around the Globe. Sightings, Encounters, Abductions, Cover ups etc - Some highly classified
4 DISK SET - £6.50

4 DISK SET - £5.50

THE BEST AGA DEMO PACK
The Best demos for your 1200! Switchback, Reflex, Wit Premium, Origin 2, Nexus 7, Dirt, Real and Dirt demo.
10 DISK SET - £9.50

PACK
20 Programs containing 40 great card games. Poker, Blackjack, Fruitmix etc.
3 DISK SET - £4.00

45 GREAT GAMES !
45 GREAT games to suit all tastes. One of our greatest sellers!
3 DISK SET - £4.00

Latterm, Multiple Spreadsheet, Grapmore, Mileage, World Time Budget, Chequebook, Database, Typing Tutor, Typewriter, Grocery, Lottomaker, Homebuilding
3 DISK SET - £4.00

THE PRINTER USERS PACK
Loads of brand new Printer Programs. Print Addresses, Print Calendar (Newspaper Style), Print Banners, Disk Labels, Booklets and MORE!!!
4 DISK SET - £4.50

FREE catalogue disk and 10 NEW games with every order! All games are compatible with A1 Amigas.
Please add 50p for UK postage. Overseas postage add £1.

FUTURE SOFTWARE
Dept C, 8 Magnolia Park, Doncaster, Rotherham S63 7HA
Tel. (01252) 626694
Speedy dispatch on orders

DIRECT SOFTWARE

DEPT CUA05/SC Unit 3,
36 Benbow Court, Shenley Church End,
Milton Keynes MK5 6JG
TELEPHONE ORDER LINE: 01908 379550
FAX: 01908 277142

ORDER HOTLINE 01908 379550

BLANK DISKS

ALL OUR DISKS COME WITH A 100% ONE FOR ONE GUARANTEE

RECYCLED COVER DISKS		RECYCLED HD COVER DISKS		DS/DD		DS/HD	
50	£10.99	50	£16.00	50	£12.00	5	£22.00
100	£19.99	100	£30.00	100	£22.00	100	£40.00
200	£39.50	200	£60.00	200	£44.00	200	£80.00
250	£45.00	250	£70.00	250	£54.00	250	£90.00
500	£85.00	500	£135.00	500	£107.00	500	£170.00
1000	£160.00	1000	£255.00	1000	£214.00	1000	£320.00

All Our Disks Include FREE Labels
We will not be beaten on Price!!

Please make cheques payable to:
DIRECT SOFTWARE CUA05/SC 36 BENBOW COURT, SHENLEY CHURCH END, MILTON KEYNES MK5 6JG

UK MAINLAND - DELIVERY FREE
OTHER AREAS - PRICES ON APPLICATION
All parcels are sent by recorded delivery. All items subject to availability. All prices subject to change without notice. E&OE
Please allow for chance however. Some Games may not be released at time of going to press.

Please supply the following for my Computer .....

Item	Price
Post & Packing	
TOTAL	

Expiry Date:
Date:
Name:
Address:
.....
.....
Postcode:
Tel No:
PLEASE WRITE IN CAPITALS
CU AMIGA MAY 1996 ISSUE

EASTWOOD AMIGA PD

[illegible] DISKS 80p INCLUDING P&P 6-10 DISKS 75p INC P&P

SAME DAY DISPATCH ON DISKS

CD32 Telephone 01709 829748 CDTV

CLIPART - FONTS - A1200 ONLY - AUDIO - COMMS - ANIMATION

100s OF GAMES ON CATALOGUE

FRED FISH 1-1000 - AMINET - SCOPE - 17 BIT - AMOS PD + T BAG
HUNDREDS OF UTILITES & STACKS OF AGA SOFTWARE

CATALOGUE DISK 2x25p STAMPS + SAE OR DISK + SAE

EASTWOOD PD, 114 FITZWILLIAM ROAD
ROTHERHAM S65 1PX

KT's PD

(Software)

FREE CATALOGUE DISK SENT WITH YOUR FIRST ORDER...

DISK PRICES: ALL AT 90p EACH

(DISKS 1 to 20: 90p each, 20 to 40: 80p each, 40 to 60: 70p each)

PLEASE ADD 75P P&P PER ORDER

FX SPECTRUM 512 EMULATOR or FX AGA EM

10 DISKS full of all the classic speccy games and the emulator for only £8.00 inc P&P.

WE NOW HAVE GAMES DISK 1 UP TO NO. 30

order all 30 disks + emulator only £25.00 + £1 P&P

GAMES

DEMOS

1200 TITLES

UTILITIES

UTILITIES

QUALITY ACCESSORIES

WE STOCK ALL CLR TITLES

SEE CATALOGUE FOR PRICES OR PHONE LORNE

1 DISK TITLE = £2.95

2 DISK TITLE = £4.95

3 DISK TITLE = £5.95

1 FREE PD DISK WITH EVERY CLR TITLE PURCHASED

RTS SPECIAL PACKS

We also stock Fred Fish 1 - 1000 CLR Licenceware - all titles

Assessing collection up to MG 2264

Also Swaps and P.O.D. legal

KT'S PD GAMES NOW ONLY £8.00 inc p & p

SEND OVER 115MB OF PD AND BECOME A DISK CRAMMING KT'S FREE WORTH CLUB.

BUY TEN PD DISKS AND CHOOSE 1 FREE.

MONEY OFF VOUCHERS WITH EVERY ORDER

PD DISKS AT ONLY 80P (SEE CATALOGUE DISK)

CREDIT CARD HOTLINE 01702 542434

TELEPHONE ORDERS TO:

ADDRESS, PAYMENT DETAILS

PAYABLE TO KT's PD (Software)

To: KT's PD Dept CU,

75 THE DRIVE, RISE HILL, ESSEX SS0 1QD

Tel/Fax: 01702 542434/07973 614358 (24 HRS, 7 DAYS A WEEK)

All orders despatched same day by 1st class post

Hi Quality Version Available on AMIGALAND.COM

IMPORTANT ANNOUNCEMENT

Are you getting the most out of your Amiga?

Have you discovered the wonderful world of NBS Public Domain Software?

To celebrate the 1995 issue of our famed NBS Public DomainATION magazine, we are giving readers of CU Amiga a fantastic HALF PRICE offer: 10 PD for a fiver! YES THAT'S

10 PD for £5

Price includes VAT, Postage and Packing. Make cheque/PO payable to NBS

Simply tick the category that interests you most (you may tick more than one) and we will send you the latest or best disks in that category.

We will also send you, free of charge, our latest PD catalogue. It's not on a disk, it's a quality paper magazine for you to read at your leisure, any place any time, and an invaluable reference guide for all the best PD

It has to be the bargain of the year! What have you got to lose? Even if you do not like the Public Domain programs, you will have paid less than blank disk prices!

Catalogues available separately. Please send large SAE plus 2x25p stamps

GAMES ☐ UTILITIES ☐ DEMOS ☐ FONTS(Wordworth) ☐

EDUCATION ☐ CLIPART ☐ BUSINESS ☐ SELECTION BOX ☐

Your Amiga A500(1.3) ☐ A500+/A600 ☐ A1200 ☐

Name .....

Address .....

.....

Complete order form, (enclose £5) and send to:

NBS 1, CHAIN LANE NEWPORT IW PO30 5QA

TEL (01983) 529594 FAX (01983) 821599

AMIGA REPAIRS

FIXED PRICE ONLY £42.99 Incl. (A500+, A600 ONLY)

- Price includes PART, LABOUR, DELIVERY & VAT
- 90 Day warranty on all repairs
- 24 Hour turn-around on most repairs
- All upgrades purchased from us fitted free with repair
- Includes FULL DIAGNOSTICS, SERVICE AND SOAK test
- If drive or keyboard need replacing add £10

Est. 13 Years

AMIGA A1200 Repairs only £52.99 Fully Inclusive

SPECIAL OFFERS

A500 Internal Drive	£34.20	A600/1200 Internal Drive	£39.40
A500/A500+ Keyboard	£29.50	A600/1200 Keyboard (UK)	£42.10
Kodak Approved 880K A500	£24.30	A500 1.3A	£45.00
Modem Upgrade	£19.60	A500 1.3 Internal Modulator	£19.00

CHIPS

8372 Agnus (A500)	£12.60
8372A 1 Meg Agnus	£24.30
8375 (Fat Agnus	£24.30
8374 Alice (A1200)	£32.70
Kickstart Version (A500)	£9.60
8373 Super Denise	£14.40
8370 Gary	£7.80
8520A CIA (A500+)	£15.00
8520A CIA (A600/1200)	£15.00
8364 Paula (A500+)	£12.30

CHIPS

Kickstart 1.2	£4.20
Kickstart 1.3	£12.90
Kickstart 2.04	£22.40
Kickstart 2.05	£29.90
Kickstart 3 (Apple)	£35.00
Kickstart 3 (Gen)	£35.00
Super Denise	£15.00
8520A CIA (A500+)	£15.00

All chips are factory NEW and guaranteed. Commodore parts are supplied with 12 months warranty (except chips).

HARD DRIVES

Quality 2.5 inch for A600 & A1200

60 Mbyte	£155.95
120 Mbyte	£195.00
210 Mbyte	£269.00

All drives complete with cable, fitting instructions, installation software and 12 months warranty

Add £1.00 P&P on chips. £3.00 P&P on drives & PSUs. We reserve the right to refuse repairs

★★★★★★ ATTENTION ALL DEALERS ★★★★★★

Our Company offer the most competitive dealer repair service on all home computers. Credit facility available. SEND FOR FREE INFORMATION PACK TODAY

Service HOTLINE (0533) 470059

DART Computer Services (UK) Ltd

105 London Road

LEICESTER LE2 0PF

DART Computer Services

A division of D.A. Computers Ltd

LOGOS, MEANINGS AND MYSTERIES:

CD32 queries, PsiNET and various other CD ROM-related problems.

All about upgrading RAM, operating systems and processors.

Plug-in hardware of any kind: scanners, disk drives etc.

Answers to queries on particular pieces of software.

Music, sampling, MIDI and anything that makes a really loud noise.

Miscellaneous tools to keep your Amiga running smoothly.

Form-feeds, page-breaks, preferences and lots lots more!

Monitors, TVs, modulators, screen-modes and all that stuff.

Pixels, sprites, animation, pictures. In one small word: graphics.

Spreadsheets, databases, organisers, accounts ...

Not everything fits into a pigeonhole, but anything you like fits in here.

Hard drive problems, peripheral nightmares, software corruption ... there's no end to the technical queries covered here.

TONY HORGAN
There's lots of genlock and VideoTracker queries this month - my favourite.

ANDY LEANING
And I get to answer the ProCalc enquiries - just the job.

IDE information

I have just got myself a 4" Conner CFS420A 420MB IDE Hard disk drive. It is actually meant for an IBM PC but since it is an IDE standard drive, I assume there should not be any major problems getting it to work with my Amiga A1200.

However, I need a cable to connect it to my Amiga as the IDE interface on the A1200 and the drive are of different sizes, as you are probably aware.

Please show me how to make such a cable or where I can get one from. In the UK I know that the four pins on the right are for the power supply. I have no problem getting an external power supply for the unit but I am not sure how to connect the other 39 pins to the 44 pins on the A1200 motherboard. Please please please help me. I shall be forever grateful if you could solve my cable problem.

Incidentally, I have also just acquired a modem. Is there any way I could E-mail you guys over there?

Eric Hoi,
Malaysia.

Turn to page 32 for the answer to your hard drive problems. You can E-mail us at:
cuamiga@cix.compulink.co.uk with any views you may have.

CAD questions

I am studying Autocad Release 12 part time at college and would like to know if I could run it on the Amiga, and if so where I can purchase the above program. I have asked some of the big suppliers who advertise in your mag but they cannot help me. What are the system requirements I would need to run the program and print hardcopy? I have an A1200 with 130Mb hard drive, Power 2nd drive, Commodore 1081 monitor and 120D printer.

If this program is not available for the Amiga could you tell me if there is another program available which has the same functions and commands?

Roy Beer,
Lowestoft.

Autocad is not available for the Amiga, but there's good news. The December 1994 issue of CU Amiga Magazine came with a complete fully-functional version of X-CAD designer, plus a full manual. You can order a copy from our back issues department, on 0858 468888. X-CAD Designer runs on any Amiga with 1Mb of RAM or more.

Should I wait?

I own an Amiga 1200 and have a couple of questions. I would like answered:

1. Is there an MSX emulator for the Amiga?

2. I am thinking of buying a CD-ROM drive for my Amiga. Should I buy the Zappo CD-ROM drive or wait for Commodore's CD1200? Would it be worth the wait?

1. There's no MSX emulator available for the Amiga.
2. Don't hold your breath for any official Commodore products. The CD1200 is unlikely to appear for some time, so take your pick from the Zappo and Power CD-ROM drives.

VideoTracker 2.0 AGA

I want to thank Peter van Campen and, of course, all of you at CU Amiga Magazine for *VideoTracker 2.0 AGA* (covermount 94 of your November 1994 issue) – it is a software masterpiece.

I am using it on my unexpanded Amiga 1200. After watching the Copper Magnify 3 AGA example video, I was completely amazed by this powerful routine, but I haven't managed to use it with a brush other than the Composite brush on the *VideoTracker* disk. Is there a certain format my brush must have (I am using *DPaint IV AGA*)? Or are there any width or height limits?

Christos Batzios,
Thessaloniki, Greece.

The brush needs to be in HAM-6 format, with a maximum height and width of 256 pixels by 256 pixels. As long as those requirements are met, there shouldn't be a problem.

Hawk board RAM

Does the fully populated Hawk RAM board disable the PCMCIA slot?

Peter Rooney, Ireland.

Hi Quality Version Available on AMIGALAND.COM

It worked fine with PCMCIA peripherals in all of our tests.

Genlock heartbreak

I am writing to you on the subject of genlocks; I have an Amiga 1200 and I am becoming a bit concerned about the state of the Amiga peripherals market, in particular genlocks. I was in the market for a genlock for my Amiga to go with the rest of my video equipment so I went to my local Amiga dealer and asked what was on the market at the time. I was told there was a new genlock out by Amitek. This had been advertised in most Amiga magazines as 'Amitek Professional Genlock' for all Amiga computers, so I purchased my new genlock, wired it up as per the instructions, powered my machine on and ... and ... nothing happened, I was faced with a blank screen. The power light was on but nobody was home. I unplugged the cable from my extra drive, the genlock and my printer and tried again, still nothing. By this time I was looking for the insurance documents for the Amiga because I thought it had blown up. I then realised that I had left the cable from the genlock still connected to the computer and phew, the Amiga was still with me. I presumed that at least I had found the fault, a dodgy lead!

A couple of days later I received a new lead. This did exactly the same as the first cable, so I asked my local dealer to try the genlock on one of their computers. It did exactly the same on their A1200 and A500.

The next day I received another genlock, which we tested in the shop, but this too failed to run. By this time I was getting very annoyed. I was refunded my beer tokens and shot off to a camera shop that I noticed had a second-hand Rocgen Plus for sale, only to be told that this would not work on the A1200.

I was now beginning to wonder whether any genlock would work on the A1200. I ventured back to my local Amiga dealer to pose this question to him. he was unsure as this was the first time he had noticed the problem. He then offered to sell me his Rendale 8802 FMC because he was due to change his. This works perfectly all right until you put an external video source to the CVBS IN connector. When this has been done the RF signal goes black and white but the genlock signal is still colour.

Does any genlock work correctly on the A1200? Are the genlocks tested on all Amigas as it stated on the adverts? Do magazines that test genlocks and other peripherals test them on all Amigas?

Anthony York, Northampton.

Firstly we can assure you that CU Amiga Magazine thoroughly test the products that we review, although we can't comment on the testing procedures of other Amiga magazines. Depending on the type of product, everything reviewed goes through a battery of tests to check for performance, ease of use, value for money, and how they compare to competing products.

The Amitek genlock in question for instance was tested on several Amigas, and indeed failed on an A1200. On further investigation it was found that the genlock had a problem on the A1200 and the genlock manufacturer assured us that a revision had been made to the circuit board so, that models now shipped don't have this problem. A second unit tested showed no sign of the fault. This was all reported in the review on page 92 of the March issue. It's probable that you were unlucky and got two early models.

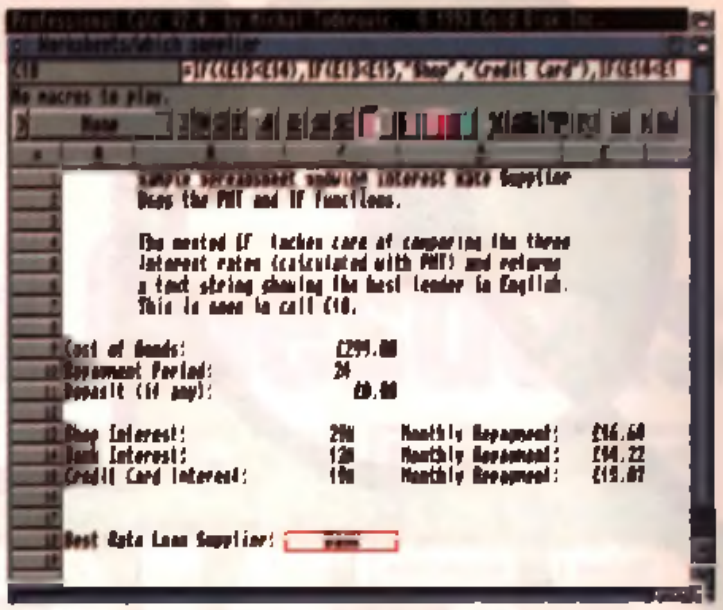
The Rendale and Rocgen genlocks should also work on the A1200. Try calling Silica on 0181 309 1111. They're the main suppliers of Amitek products and also have a technical support team who should be able to iron out your hardware problems.

ProCalc

I buy this magazine regularly and was very pleased when the *ProCalc* spreadsheet appeared in the November issue. I missed the December issue but bought January 1995. I checked out several newsagents to try to obtain the December issue. Is there any way that the tutorial for *ProCalc* (Part two) can be obtained? Is there any way I can print what is shown on a screen? I have tried to print out graphs from *ProCalc* but can't use the drop-down menu for printing. Can a keyboard command be used?

Mrs Clarke, Wigan.

If you click on the Output function under the Project menu you'll be able to print out your spreadsheets. For graphs go to the 'File' menu and select Output. You'll then be able to print them. You can order a copy of December CU Amiga from our back issues department, on 0858 468888.



▲ Click on the Output function in the Project menu in ProCalc and you can print out no problem

Accelerated trouble

Since buying an Overdrive Hard drive unit over a year ago I have been trying to find an accelerator card for my A1200 that will allow 8Mb or more fast RAM to be added without disabling the PCMCIA slot. I have written to a number of magazines (including CU Amiga) but to date no one has published my queries. Hardware retailers have given me lots of conflicting advice (even from different branches of the same organisation).

In your FAQ section on accelerator boards in the March 1995 edition you mentioned this problem so I was surprised to find your review of the Blizzard 1230 III in the same issue failed to indicate whether this board was PCMCIA compatible. I appreciate that when reviewing hardware it is impossible to test all hardware combinations for compatibility but in the case of the A1200 accelerators popping something into the PCMCIA slot surely would not be too inconvenient.

Now that there are PCMCIA interfaced hard drives, CD-ROMs, SCSI interfaces, samplers and others of the 4Mb memory limit/compatibility problems of certain boards is a point of utmost importance when choosing a model. Would it be possible for CU Amiga to test A1200 accelerator boards for PCMCIA compatibility in the future? I'm sure it would be useful. Could anyone let me know of a compatible model?

Paul Davis, Somerset.

The problem of PCMCIA card and accelerator incompatibility lies in the Amiga operating system using the same area of memory for both – so they conflict. The solution is for developers of the accelerators and PCMCIA peripherals to work around the problem, as Phase 5 with their Blizzard cards and HiSoft with the Squirrel have done. Sadly it's not easy to test this in reviews as each card and PCMCIA device is different, and without testing each and every card we couldn't give a definitive answer.

However we are looking at ways of testing for PCMCIA compatibility and will hopefully announce this in an imminent issue. In answer to your immediate question the Blizzard card will work (with 8Mb RAM) and an Overdrive. ■

NO SAES PLEASE

We regret that we cannot respond to readers' queries by post or over the phone. Please do not include stamped addressed envelopes with your letters, as we simply don't have time to answer the thousands we receive. Responses are only possible through the pages of the magazine.

Hi Quality Version Available on AMIGALAND.COM

THE

FREE UPDATE FREE UPDATE

ONE

SENSIBLE WORLD OF SOCCER

Hi Quality Version Available on AMIGALAND.COM

FREE UPDATE!

Yes, it's true! The official Sensible update disk, getting rid of all those unwanted bugs and niggles in Sensible World of Soccer, will be free with your next copy of The One Amiga magazine! Sellotaped to the front of the May issue, on sale 28th of April, the update will come in a blue, attractively square package, just ready for you to slot into your Amiga. Simple!

Kills all known SWOS bugs, dead!

Frequently Asked Questions

CU Amiga Magazine gets to grips with common modem questions.

Q. I want to get 'online'. What should I do?

A. First, you'll need a modem. The modem is the device that transmits data through the telephone network linking you to the Internet, where you can dial anywhere in the world for the same price as a local call.

Q. What sort of modem should I get?

A. There are internal and external modems. The internal sort are bare circuit boards designed for IBM PCs. Any external style modem will work with the Amiga, all you need is a standard RS232 25 way cable to connect it to the serial port. Some PCs have 9 pin serial ports, so check your leads. Try to buy the fastest modem that you can afford; don't get one slower than 14,400. If getting a fast 28,800 modem ensure it supports the V34 standard (rather than the Vfast).

Q. What software will I need?

A. Modems always seem to come with PC software in the box, which is no use to the Amiga. If you buy your modem from an Amiga dealer they will probably include a disk with several Public Domain/Shareware programs such as *Ncomm* or *Term*. You can also buy a program such as *Termite* (available from HiSoft, tel: 01525 718181, reviewed in CU Amiga Magazine, February 1995). All of these will let you log onto a BBS.

Q. Will it work as a fax machine?

A. Nearly all modern modems will operate as fax machines but you need the necessary software. Although modems come bundled with fax software, it's generally PC stuff. The choice of Amiga software is limited to *GPFax* (First Computer Centre, tel: 0113 231 9444), *TrapFax* (Blittersoft, tel: 01908 220196) and some PD utilities. Check, before you buy a modem, though, as some will not support faxes.

Q. Will any Amiga work with my modem?

A. Any Amiga can drive a 14,400 baud modem with no problems. A 68020 or a higher based Amiga (such as the A1200) is required for reliable 28,000 baud connections. There are several programs around which claim to speed up access. A500 or A2000 owners might find these useful.

Q. What's the difference between the Internet and BBS?

A. A Bulletin Board is a site where groups of users communicate with each other about common interests. You can swop messages, transfer files etc. The Internet is a world wide network of communication lines set up by the US military, which can be used for free transmission of data. It links thousands of BBSs around the world.

BBS come in two flavours: commercial systems and non-commercial systems. The commercial boards charge fees and include companies such as CompuServe (tel: 0800 289378), Almac (tel: 0324 666336), CIX (tel: 01492 641 961) and Delphi (0171 757 7080). The non commercial systems are a lot smaller, but usually free.

On the Internet you can use tools such as FTP (for downloading programs), Telnet (for logging into remote computers) and Mosaic (for using the World Wide Web). The Internet is fast, if you send an electronic mailmessage to someone, it will reach their site in a few seconds. To use the Internet you need to either get a dedicated account with a company such as Demon, or use a gateway through a BBS such as CIX, CompuServe or Delphi. The dedicated account allows you to run mail, nets and Web programs on your Amiga, rather than using text-only programs on the gateway system.

Q. Which should I try first?

A. Try some of the amateur Bulletin Boards listed to the right. These are all systems which are part of the FidoNet network. FidoNet is a network which includes tens of thousands of bulletin boards, all sharing mail. You can post a message to a FidoNet chat area using your local board, and everyone else will be able to read it the next day or so. Most boards also have file areas with all the latest Public Domain software for you to download.

Q. I have a modem that works at 14,400 baud. I've set my comms software to work at this speed but nothing happens. What's wrong?

A. Although the modem will claim to work at 14,400 baud it works faster due to the data compression algorithms. Most 14,400 modems will only recognise speeds of 19,200 baud. This might sound confusing, but there are two different speeds at work. First, there's the modem's transmission speed to the modem at the other end of the telephone. No matter what, this will remain at the modem's stated speed: in this case 14,400 baud. However, due to the data compression the amount of data being transferred is higher, so the speed of the link from the modem to the computer is about 19,200 baud. ■

John Kennedy

My own board

Q. I want to start a Bulletin Board. What software do I need?

A. Now you've opened a can of worms ... there are several programs to choose from. Some, like Max's BBS, are Public Domain. Some like XenoLink are commercial (available from the Darkside BBS). The best thing to do is ask around, and log into as many boards as possible to see what features are offered.

Board name: Heart of Gold
Modem number: 01247 274919

Board name: 1024 BBS
Modem number:01952 - 419664

Board name: The Slimelite BBS
Modem number:0181 230 1566

Board name: Slimelite BBS
Modem number:0181 230 1566

Board name: Backyard BBS
Modem number:0181 424 2065

Board name: Ethereal Cereal
Modem number.01707 275 567

Board name: Darkside BBS
Modem number:0181 771 9100

Board name: Autopilot BBS
Modem number:01332 660 768

Board name: Amnesia BBS
Modem number.0151 606 1984

Board name: Crooked Spire
Modem number:01246 551 626

Board name: Frost Free BBS
Modem number:01484 842 341

Board name: Shades BBS
Modem number:01670 787672

Board name: The Lakes BBS
Modem number:01768-866059

Board name: Zeons Lair
Modem number:01768-899420

Hi Quality Version Available on AMIGALAND.COM

Masterclass

▲ This is what your Workbench could look like if you installed Magic Workbench. Notice that all the drawers have been closed so that you can tell what is in them before you even open them! Neat idea

Hi Quality Version Available on AMIGALAND.COM

Following on from last month's discussion on data compression, we take a look at the much-used LHA system.

Last month we touched on data compression, and how it can save on disk space and downloading times for modem users. The standard Amiga archiver has always been LHA, which you can see for yourself if you log onto a BBS and see all the files ending with the .lha suffix. You'll find the LHA program itself lurking on magazine cover disks or on your local BBS, and you should add it to your collection of Amiga utilities as soon as possible.

Recently a new archiver called LZX has been popping up a lot in FidoNet conversations. LZX promises to run faster and work better than LHA, so of course it deserves some attention. You can download LZX from the usual on-line places (such as the Aminet, which is where I got it) and Bulletin Boards such as Creations (modem number: 0181 6659887). It is used in exactly the same was as LHA, that is, from the Shell with commands like:

```
lzx a my_archive #?.iff
```

This will bundle up all the files in the current directory ending in .iff and store them in a new file called my_archive.lzx. In order to check out the claims for LZX, I performed the following tests. First of all I archived ten large IFF image files (which usually don't pack up well as they are already encoded slightly) and secondly I archived a pile of text files.

	Graphics Files	Text Files
Original Size	6284520	2284752
LHA Size	5063205	805418
LHA Time	2m 03s	0m 44s
LZX Size	5018060	710674
LZX Time	1m 59s	0m 46s

LHA version 1.38, LZX version 1.00

As you can see, in both cases the LZX compression was slightly better — especially with text files. The time difference however was minimal (and slightly worse for the text files). Whether or not a change over to the LZX system is merited remains to be seen. An update to version 1.01 is expected 'real soon now', and this will be worth checking out. In any case, if you find that you need to pack up a lot of data it will be worth your while to see if LZX makes any difference.

Interestingly, both these coding systems rely on the LZW (Lev Zemple Welch) compression system, which was at the heart of the recent 'CompuServe to charge for GIFs' stories you may have read in the computer press. The GIF graphic file standard belongs to CompuServe and it uses LZW, which was developed by Unisys. LZW belongs to Unisys and they want to get some money from it - hence the proposed GIF-tax. It will be fun to see Unisys try to get money for all the programs which are compressed with LHA or LZX.

Workbench icon replacements

Have a look at the nice Workbench pictures shown on these pages. Look a bit different from yours? Well, unless you have *NewIcons* installed on your Amiga, it should. Like Magic Workbench, *NewIcons* is a set of replacement icons to smarten up your Workbench display. Also like *MagicWB*, it's available from the Aminet Internet site and many BBS and Public Domain libraries.

Many folk are worried about using new icons, especially as some users have reported unexplained crashes. First of all, the original programs like *MagicWB* contained icons which were only that – icons. When you look at any files stored on your disks, you'll see files ending in .info. These are the files which contain the information the Amiga uses to display the little graphic. They are not programs in their own right, and are stored separately from the programs they are associated with. The Workbench clock program for example, is actually two individual files: the program itself and the .info icon file. Without the .info file, there would be no icon display but the program could still be used (either from the Shell or by using the 'Display All Files' option from the Workbench menu). Thus there is no way that the new icons themselves could interfere with the program. If things do go wrong when experimenting with icons, there are a few things that should be checked:

1.Icon type

Icons are classed into different types, in order

to inform the Amiga's operating system if it is working with drawers, disks or programs. If you copy an icon from a program file and make it into a drawer you may forget to alter the type, with odd results. You can check the type by loading the icon into the Icon Editor program supplied on the Workbench Extras disk.

Remember that if using the Workbench 3.0 Icon Editor that it sometimes goes bonkers and saves a large outline around your images. If this happens, your only recourse is to use the Workbench 2 editor, or a third party program such as *Iconian* (available from the usual Public Domain libraries /shareware outlets).

2.Tools

The .info file stores the graphical data, but it also has a secondary purpose: storing tool types. If you examine an .info file using the Information option from the Workbench (highlight the icon and press Right-Amiga-I) you might see a list of tool types associated with the icon. This method is used to customise programs: for example, you might want the program to use certain screen colours or certain keyboard shortcuts.

If the program has been written to look at the tool types then these can be changed to reflect your own purposes. The stack size is sometimes set from within the .info file as well – the stack is the amount of memory which a program is allocated. Problems can arise if you simply replace one icon with another: you might overwrite the .info data and lose all these settings. If you are changing icons, remember to look at the tool and stack settings first. The install program with *MagicWB* and *NewIcons* will try and retain all these settings and therefore there shouldn't be any problems.

3. Disk and memory usage

All the new icons are considerably more detailed than the standard icons and so use up more space. For the best visual effect you can run your Workbench with more colours than you are used to (8 or 16). This will use up more chip memory than normal which can lead to problems on unexpanded systems. If you are running totally from floppy, you'll have to think carefully about using an icon replacement scheme as it will slow things down ever so slightly and use more memory.

Beat the system

NewIcons works slightly different in that it virtually re-writes the way the icon system works. It adds some programs to your start-up sequence and alters the system to display the new images. It sounds a bit extreme, but it has the advantage of fixing the short-comings with the Workbench palette system. Have a look at the example pictures and if you decide you like what you see, either get the file from the Aminet or local BBS or PD library.

The newer versions of *MagicWB* also includes some 'active' parts, specifically some programs to make sure the palette is organised sensibly. As you can see from the images, the end result is very snazzy, although unless you can display a DblPAL or Multiscan image on your monitor you may find your screen starts to become a little too cluttered.

I'm quite happy with this set-up, which is a collection of bits and pieces I've collected over the years. And by the way, the line of icons which appears in several of the images is produced by the *ToolsManager* program. This provides you with an easy way of leaving programs out on the Workbench: especially handy if you have a hard drive. As with all the programs mentioned here, keep a look out for it on-line or from your library.

Wallpaper

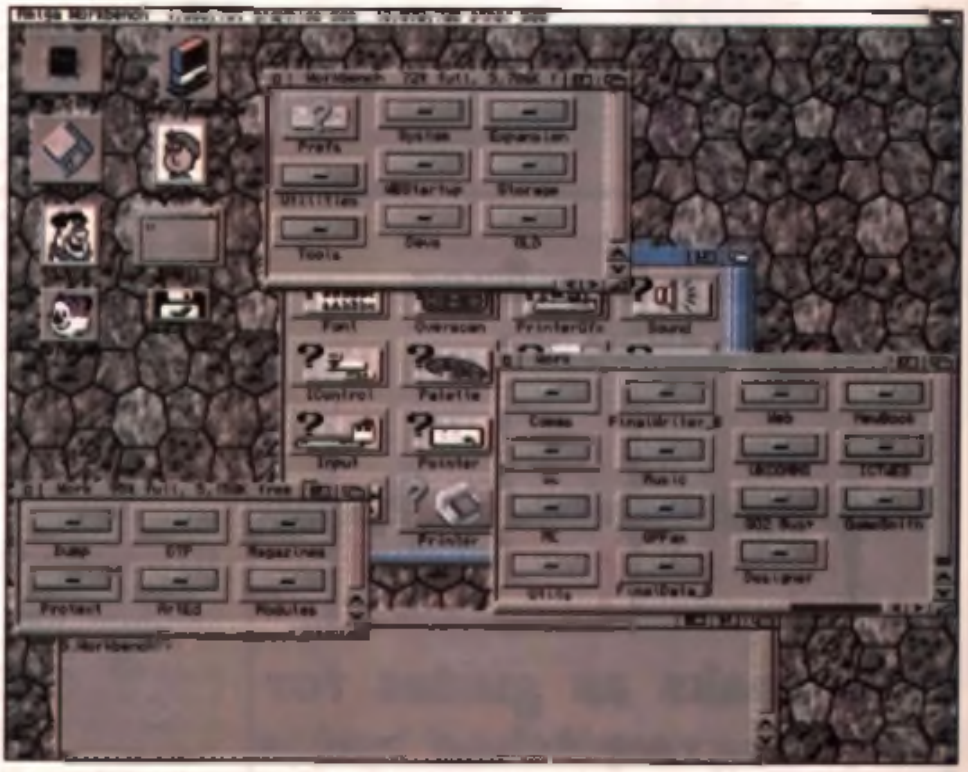
Something else you should watch out for is the WallPaper collection. There are hundreds of well drawn textures for you to tile as a backdrop pattern. They range from the usual mottled shades or grey to pictures of that girl from Twin Peaks who everyone apparently fancied a while back. These patterns are widely available so try 'em out. None are quite so tacky as 'Sexybench' which includes several, in my opinion, very poor Manga-style cartoon drawings of the female form. Not the sort of thing you want on your Workbench when our Lisa walks into the office ... ■

John Kennedy

▲ Magic Workbench looks particularly well when used with a nice shaded backdrop pattern, like this. Notice the toolbar along the bottom of the screen, created with ToolsManager. Each tool icon is an IFF brush, so you can create a system that looks exactly the way you want it to look.

▲ This is the demo picture which comes with NewIcons. Instead of shading, the icons are a more 8 1/2 style coloured image. They may be a little on the large size if you don't have a Maker true large screen mode.

Hi Quality Version Available on AMIGALAND.COM



▲ My own Workbench looks a little cluttered at the moment, thanks to the WallPaper texture I'm trying out in the background. Think I'll loose the Blast a Cardaway and go back to good old marble.

Soundlab

Make four sample tracks sound like fourteen, with some cunning mixing tricks.

Face it, four tracks are never enough. Even the most minimal compositions easily can eat twice as many sample channels, so how on earth are you going to compete with professional 32-track productions? With a bit of ingenuity and some clever tricks, that's how.

The first time you laid down a drum pattern using a tracker like *OctaMED* or *ProTracker*, you probably put the bass drum in one track, the cymbals in another and used up the remaining two channels with snare and assorted percussion arrangements. In an ideal world or an expensive studio, that wouldn't be a problem, but it is in this case, as that's just taken care of your entire sound output capacity.

Although the Amiga can play no more than four internal samples at once, it doesn't mean that it can only play four sounds at once. As far as the computer is concerned, it makes no difference whether each sample is a recording of a single bass drum, or an entire orchestra. Replaying the orchestra sample puts no greater strain on the Amiga than playing the bass drum – after all, they are both just sound waves. You can use this fact to your advantage, to make your Amiga sound as if it's playing far more samples than it actually is.

Mixing samples

The basic trick to learn is sample mixing. Drum patterns can often be squeezed onto a single track by mixing the right samples together. Before you get started, it's a good idea to make up a new set of samples from your standard drum sounds. Load up the basics, say a bass drum, a couple of high hat cymbals, a snare drum, a crash cymbal and a hand clap. Using all four tracks, build up the kind of rhythm you're after. Now look at the block, and see where two or more samples are played at the same time. These are the samples that you'll need to mix.

Keeping your original samples intact, copy the waves into blank sample windows and use the sample editor's 'mix' function to combine them. It's likely that there will be parts where the bass drum sounds with the high hat, but another place where the bass drum sounds with the high hat and the snare drum. In this case, you'll need to make two new samples.

However, although it might seem obvious to combine the bass drum, high hat and snare drum for the second sound, you could leave out the high hat without making any noticeable difference. Certain sounds use similar frequencies, and so mask each other out, as is often the case with snare drums and high hats. Each time you combine sample waves, you lose a little of the definition from both sounds, as they both have to share the same space. Reducing the amount of mixing will help keep the fidelity of each individual sound.

Depending on the sample editor you use, your mixed samples may come out at half the volume of the original waves. Check for this, and if they need boosting, amplify them accordingly. Usually a 200% volume boost will get them back up to their original volume. Once you've got a string of combined drum sounds, save them out for future use.

Now you can create a new block, and using the initial four track drum pattern as a guide, you can recreate the rhythm on a single track with your new samples. The only places you might need to use two tracks would be when there's a sustained sound, such as crash symbol, which overlaps with a following sound. In this case, you'll need to use an extra track.

Breakbeats

Breakbeats, complete drum loops, are very effective at saving tracks. A whole percussion arrangement can be contained in a single sample, and if you want to break away from the monotony of a continuous loop, you can always chop it up and rearrange it. What can save yet more tracks, is combining basslines or riffs with your breakbeats.

This sounds complicated at first, as you would need two identically pitched loops in order for them to match up, but you don't actually need two loops, just the breakbeat and a single bass or synth sample.

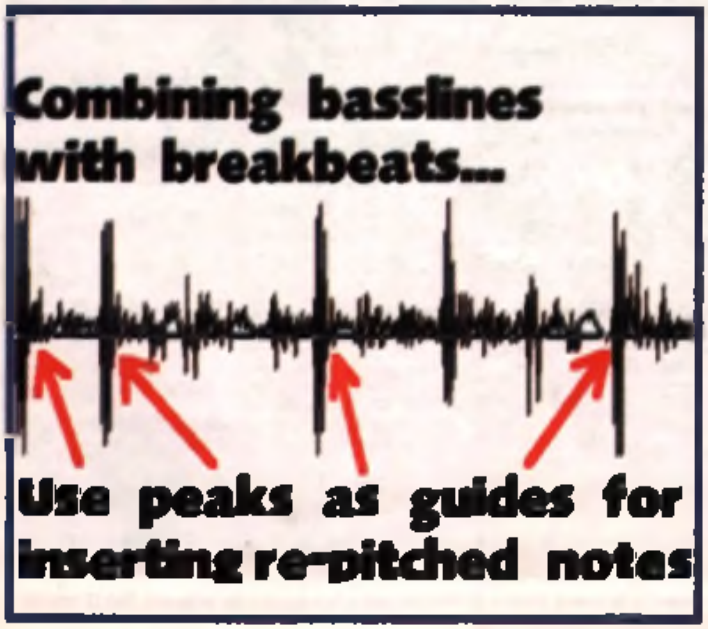
The trick is to make use of your sample editor's pitch change or re-sample feature, and mix repitched copies of the synth or bass sound into the breakbeat.

Using two tracks, lay down the breakbeat and your bassline or riff. Once you've got this running, jot down the order and pitch of the notes in your bassline. Use your sample editor to make repitched copies of the bass sound for each different note in the bassline. This is so that you can mix these samples into the breakbeat sample.

Now set the block playing, and call up the breakbeat sample window. As the sample is played, you'll see a scan line running through it. This tells you which part of the sample is being played. Listen for the notes of the bassline, while you watch the sample scan line. It's likely that the notes will sound as the scan line passes the peaks of the breakbeat wave. Watch to see where the scan line is on the breakbeat wave for each note of the bassline.

Copy the first bassline sample and then move to the breakbeat sample. Zoom right into the position where the note occurs, highlight the area, and click on 'mix'. Now get the next bass sample into the copy buffer, and mix it into the next spot on the breakbeat wave. Repeat this right along the breakbeat, until you've overlaid the whole bassline. If necessary, boost the volume of the mixed sections. You now have the drums and bassline on a single track, leaving the remaining three for new sounds. ■

Tony Horgan



Hi Quality Version Available on AMIGALAND.COM

Premier Mail Order

Please Send Cheques/PO's (made out to Premier Mail Order) or Access/Visa/(Switch + Issue No) & Expiry Date to:
Dept: CU05 9-10 THE CAPRICORN CENTRE, CRANES FARM ROAD, BASILDON, ESSEX SS14 3JJ.
Telephone orders: 01268-271172 Fax your order on: 01268-271173 Mon-Fri 9am-7pm Sat&Sun 10am-4pm We are open 364 days a year
P&P and VAT included for all UK orders. Please add per item £2 P&P for Europe and £3.50 for the rest of the world. Next day service available UK only At £4.00 per item.
Please note: Some titles may not be released at the time of going to press. Most titles are despatched same day, but can take up to 28 days. E&OE

Hi Quality Version Available on AMIGALAND.COM

EDUCATIONAL

JUNIOR ADVENTURES

JOYSTICKS & ACCESSORIES

PD & Shareware

SPECIAL OFFERS

3.5" Blank Discs

Back chat

Got something you want to say? Write it down and send it to CU Amiga Magazine, Priory Court, 30-32 Farringdon Lane, London EC1R 3AU.

LETTER OF THE MONTH

On the up

I have a cheerful note to add to the ongoing debate concerning the future of the Amiga. I work for Forte, a big hotel chain which has recently installed new TV systems in their Posthouses. Through this system, Intelvision, you can access all your details on screen (i.e billing, wakeup calls etc). There's a state-of-the-art graphics channel displaying all these facilities, and guess what I saw when they came to install the system? Yes, an Amiga 4000/030 running *Scala*. Now there are 61 Forte Posthouses in the UK and they are all linked up via modem to the central office where the scripts are uploaded to the units, but each hotel will be able to adapt software to include their own topics relative to the hotel. Who's worried about the part the Amiga has to play in future technology? I certainly ain't.

Finally, for the people who will never get enough of 3D animation, watch Reboot, a cartoon series which is shown on ITV on Tuesdays at 4.00 pm.

Michael Barkhordar, Coventry.

Home business

I am a fanatical Amiga 1200 user, who originally purchased my Amiga for its vast array of superb games. However, since reading magazines such as yours, I have become more and more interested in the more 'serious' side of of computing. An area which has particularly caught my eye is public domain software, which I use regularly. I now want to set up and run my own PD library from home. I have all the equipment that I need already, so all I need now is some advice. I am concerned over the legal aspect of the business especially but I also need some general advice, on contacts and ideas especially. I would be eternally grateful if you could help me out in this venture, as I am looking forward to running a PD library of my own.

Daniel Strangward, Berkshire.

PD works on the basis that the author of the software releases his or her program into the public domain. Whilst they generally retain the copyright (meaning you can't alter it) you can copy it and pass it on, which is what PD firms do. As for sources of good PD software, get hold of the April issue of CU Amiga Magazine. This contains a PD Special showing some of the best PD titles around and where you can get them.

A foreign affair

Hello Amiga people. I live in France. The Amiga is great. I have a problems with your coverdisks, though, because I don't speak much English and your coverdisks are all in English. So, could you do two versions of the coverdisks – one in French and one in English?

Pierre Monte, Paris.

Sorry Pierre, no can do. The problem is that we couldn't fit two versions of the programs onto our cover disks because the disks are always overflowing with goodies and there just isn't any more room unfortunately!

Tell me more!

Greetings from Birmingham. I've been buying CU for more years than I care to remember. However, I've only just recently noticed an alarming trend – you only seem to be covering the Amiga. Commodore produced PCs, and you're called Commodore User Amiga Magazine so why don't you cover the Commodore PC I've got? I await your answer.

Paul Jenkins, Birmingham.

Greetings!! You've been reading CU Amiga Magazine for a while have you? Well, if you have you should have realised by now that we've never covered Commodore PC (except in news), in fact it's been several years since they've even been made. Looking at the front cover of this magazine you'll notice that the word Amiga is rather large, and the 'CU' bit is rather small. This is because we're an Amiga magazine, nothing else. The Commodore reference is because Commodore make the Amiga. If you want to keep reading the magazine, why not upgrade from your PC to an Amiga?

Where's the disk?

For a long time now I have thoroughly enjoyed all your coverdisks. They and the magazine have been a great source of enjoyment. I've only ever had problems with two of the coverdisks. The first one was replaced within days without a hitch. The second disk, *Directory Opus*, (coverdisk 100) however, is causing me great concern. I returned it approximately one month ago but I still haven't received a reply or replacement since. I rang DiskXpress and was told that a replacement disk would be forwarded to me but I have received nothing since. May I appeal to your good offices to lend a little weight to having a replacement disk forwarded as speedily as possible? I have also checked the March issue for any news about what might be causing the delay but to no avail.

D Steele, Kent.

There was a slight problem with this disk concerning individual Amigas that did not happen on any of our test machines. However, if you contact DiskXpress they'll now be able to supply you with a decompressed Directory Opus coverdisk which will work on your Amiga.

Absolute pants

In response to Jonathon Robbins' letter moaning about *Sensible World Of Soccer* (Backchat March 95), I think he is talking absolute pants! The improved goalkeepers add a new dimension to the game but can actually be beaten – by long distance shots, the odd clumsy deflection and even the occasional normal effort.

In my first attempt at a career I took

Hi Quality Version Available on AMIGALAND.COM

THE FAR SIDE By GARY LARSON

"Say, ... it's only a paper moon."

Torquay Utd to the top of the premier in successive seasons, knocking out top teams in cup competition and never had problems with needing two defenders to clean up at the back.

My only grumble is that the computer teams are a bit too predictable as they try to get the ball back to the middle of the pitch all the time. Also the computer team's players never get injured and taken off as yours can; and there is no African Nations Cup. It's still great though, so Jonny Robbins, get some talent, *Sensi* rules the world when I'm in control.

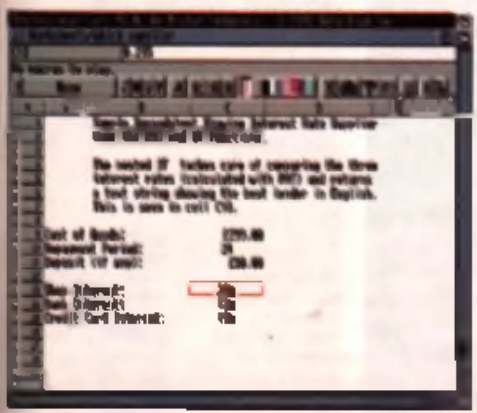
Giggsy of the South West, Torquay.

Even more ProCalc

I am new to the Amiga 1200, having just upgraded from the Commodore 64. Because of the differences in the two machines I am finding it difficult to get to grips with. For example, I have been following your tutorial on *ProCalc* (Coverdisk 94, November 1994) and while the program is exactly what I want, being a novice, I am finding it hard to get on with. Will you be publishing a manual for the program?

C.R Weston, Kent.

GoldDisk, who originally published the program, no longer have any manuals and were unwilling to let us cover mount our own. However you could try calling Silica on 0181 309 1111 who did have some ProCalcs left in stock. You might be able to get a manual, as part of the complete package, from them.



▲ ProCalc – one of the best spreadsheets around. It is invaluable for working out different interest rates

Red alert

The situation is becoming critical here in Portugal. I'm an A1200 owner with a 240Mb HD. As a loyal reader of your magazine, I'm writing to leave an important message: here in Portugal it's becoming very hard to find a place to buy hardware and software for the Amiga. If we want Amiga software, the only way to get it is to import it from other countries. Even some stores that had the Amiga, now don't have it. The reason? Most people don't know the Amiga and the ones that do think it's only a games machine. The Amiga is being crushed by the other computers. Don't let the Amiga die.

Luis Santos, Portugal.

Pop videos

Thanks for your animation feature in the April issue. It convinced my older brother to get a second hand Amiga 1200 with an accelerator, RAM expansion and a hard drive, instead of the PC he was saving for. He's been asked to make a video for his mate's band, but until now hadn't been able to afford all the kit. Now he's got a brilliant set up for a really good price, and the video's looking good so far.

The best bit is that now I get to play *Sensi World of Soccer*, *Cannon Fodder 2* and *Super Skidmarks*, and I can also mess around with *OctaMED* when he's not using it! I thought I was going to have to wait another six months before he saved up and I got to play all those games every talks about at school! Thanks.

Alistair Dean, Norwich.

Green with envy

I have seen many advertisements for 'green' PCs, which are kinder to the environment, and this seems like a load of rubbish to me. How can something made of plastic, metal and silicon be environmentally friendly? Still, it's all comparative I suppose: some will be better than others. Which brings me to the Amiga. Surely Commodore could advertise the fact that not only are their machines cheaper but also more environmentally friendly. They use less plastic and metal, smaller motherboards and less power than any of their crappy competitors, so come on, sell the benefits.

Seamus Googe, Dublin

Er, we don't mean to be negative here, and we're sure you've researched this properly, but since Commodore have not produced an Amiga for at least a year now and haven't advertised one for even longer, the message is unlikely to get across.

No letter

You sent us an empty envelope, sealed, with a first class stamp. Mr John Cawley of Glasgow.

TEAM TALK

Last month's video and animation feature made a big impression on the CU Amiga Magazine team. Or maybe they've just been watching too much TV ...

ALAN DYKES

Alan was busy getting ready for his trip to New York this month. His preparations consisted of developing a streetwise New York accent to help him cope if he runs into any trouble. This has involved spending the month studying Robert De Niro's Taxi Driver and all other available opportunities staring at himself in the mirror, muttering "you looking at me punk? I AM LOOKING AT ME!"

LISA COLLINS

Lisa's been getting ready to assume the throne of pirate radio mavin, as she's ripped down the local vid shop and rented out *Catherine the Great*. The only problem is she keeps coming out with her face covered in white talcum powder and it's frightening the hell out of us. Still it's a good way of getting the copy in – we're all too frightened to move away from our desks in case she lunges at us.

ANDY LEANING

Andy's taken the whole Internet thing to new extremes. He really does spend most of his life online. The last time I saw a computer and modem that ideal woman, Kelly Le Brock. Now he's convinced that the global highway can do the same for him. All that playing about with Cindy Crawford's statistics in DataLife (reviewed March 95) has gone to his ... or head (!?)

TONY HORGAN

Tony Horgan, still researching how to become a top DJ, has been watching reruns of Top Of The Pops from the seventies and is now refusing to speak English instead he will only utter his phrases from the rating gee catalogue. Interviewed with modern techno bubble. It's driving us mad. "Want a cup of tea, Tony" now elicits the reply: "The kitty man is a Honey And it's Real and it's all the chandelier!"

HELEN DANBY

The Newly design machine has decided to get her nice, shy and retiring party image in trust. Fed up having to consume buckets of coffee to keep her awake through the night as a result of late copy, she's decided to adopt a rather ... an ... brave approach. After seeing 12 she's started shouting things like "the world is going to end, and you're all going to die unless you get your !@£@!% act together."

JOHN KENNEDY

Still preparing for his own wedding, John has been singing things like "I'm getting married in the morning (oops though he isn't quite) and watching Four Weddings and a Funeral. His Hugh Grant image isn't being helped by this particular photograph though and the funeral will be Alan's unless we change it soon. Perhaps we could get a photograph of the happy couple to compare. We'll see.

High Quality Version Available on AMIGALAND.COM

Sensi Fancy League

Month 1 Results! At last!

You've phoned or posted your entries by now, and you've probably told all your mates how brilliant your team is. But Sensi has a way of being unpredictable, especially in the clammy hands of jaded EMAP journalists. Here are the results of the matches and the goal scorers for each team.

JON HARE'S TEAM

Just how sensible was Jon Hare's choice?

Player Name	Position	Code	Value	Goals	Points
Luis Henrique	G	[illegible]	[illegible]	0	+1
Stig Inge Bjornebye	D	1918	£650K	0	+6
Paolo Negro	D	1112	£550K	[illegible]	[illegible]
Dave McPherson	D	1612	£1M	0	+9
Miguel Lasa	M	1914	£750K	[illegible]	[illegible]
Vladimir Jugovic	M	2127	£1.9M	1	+4
Michel	M	1925	£2M	[illegible]	[illegible]
Antonio Conte	M	1027	£950K	0	0
Mark Hughes	A	1431	£3.5M	5	+15
Sergio Araujo	A	0431	£2M	[illegible]	[illegible]
Total					30

Thirty points! Luis Henrique in goal, Dave McPherson in defence and Sergio Araujo are the stars of the show, while Paolo Negro did well; he would have had a negative score but for his goal. Both Miguel and Vladimir Jugovic are strong in midfield but might have performed better considering they were both bought for around the £2M mark. And just what does Stig Inge Bjornebye think he is up to? 7-0 to AC Milan against Liverpool? Pull your socks up boy!

MATCH SCORES MONTH 1

The following are the full results of all matches played in the 14 rounds of month one of the Sensible Soccer Fancy League. Use these figures to find out how many goals were scored against your goalkeeper and defenders. Remember, if your goalie's team concedes no goals you get a +4 bonus, if any of your midfielder's teams have a clean sheet you get a +3 bonus.

Round 1

AJAX 5	GALATASARAY 2
RANGERS 1	RIVER PLATE 0
BAYERN MUNICH 4	LIVERPOOL 3
BLACKBURN 2	FC PORTO 1
MANCHESTER BROWN 1	TOTTENHAM 2
ATLETICO MINEIRO 0	SAMPDORIA 1
MAN UTD 3	ARSENAL 2
NEWCASTLE 1	REAL MADRID 1
AC MILAN 0	PARIS ST GERMAIN 0
DEGEVA CREMPAS 1	JUVENTUS 2
LAZIO 1	BARCELONA 1

Round 2

AJAX 3	RANGERS 1
GALATASARAY 0	RIVER PLATE 0
BAYERN MUNICH 0	BLACKBURN 0
FC PORTO 2	LIVERPOOL 0
MANCHESTER BROWN 1	ATLETICO MINEIRO 2
TOTTENHAM 1	SAMPDORIA 3
MANCHESTER UNITED 1	NEWCASTLE 0
ARSENAL 0	REAL MADRID 0
MILAN 5	DEGEVA CREMPAS 1
PARIS ST GERMAIN 1	LAZIO 1
JUVENTUS 2	BARCELONA 1

Round 3

RIVER PLATE 0	AJAX 4
GALATASARAY 2	RANGERS 4
FC PORTO 1	BAYERN MUNICH
LIVERPOOL 1	BLACKBURN 1
SAMPDORIA 2	MANCHESTER BROWN 0
TOTTENHAM 0	ATLETICO MINEIRO 0
REAL MADRID 1	MANCHESTER UNITED 3
ARSENAL 2	NEWCASTLE 1
JUVENTUS 1	AC MILAN 0
BARCELONA 3	PARIS ST GERMAIN 1
DEGEVA CREMPAS 1	LAZIO 4

Round 4

AJAX 1	BAYERN MUNICH 0
GALATASARAY 1	LIVERPOOL 1
BLACKBURN 0	RANGERS 2
RIVER PLATE 1	FC PORTO 1
MANCHESTER 0	MAN UTD 1
TOTTENHAM 1	ARSENAL 1
ATLETICO MINEIRO 1	NEWCASTLE 1
SAMPDORIA 1	REAL MADRID 0
LAZIO 1	AC MILAN 0
PARIS ST GERMAIN 3	JUVENTUS 3
BARCELONA 3	DEGEVA CREMPAS 0

Round 5

LIVERPOOL 1	AJAX 0
BAYERN MUNICH 3	GALATASARAY 2
FC PORTO 0	RANGERS 0
BLACKBURN ROVERS 0	RIVER PLATE 1
ARSENAL 2	MANCHESTER BROWN 3
MANCHESTER UNITED 3	TOTTENHAM 1
REAL MADRID 0	ATLETICO MINEIRO 1
NEWCASTLE 1	SAMPDORIA 1
AC MILAN 0	BARCELONA 1
PARIS ST GERMAIN 0	DEGEVA CREMPAS 1
JUVENTUS 1	LAZIO 1

Round 6

BLACKBURN 0	AJAX 1
FC PORTO 2	GALATASARAY 1
RANGERS 3	BAYERN 1
RIVER PLATE 4	LIVERPOOL 3
NEWCASTLE 0	MANCHESTER BROWN 0
TOTTENHAM 5	AC MILAN 4
ATLETICO MINEIRO 1	PARIS ST GERMAIN 1
SAMPDORIA 6	DEGEVA CREMPAS 2
MANCHESTER UTD 2	JUVENTUS 0
LAZIO 1	ARSENAL 1
REAL MADRID 2	BARCELONA 3

Round 7

AJAX 0	FC PORTO 0
GALATASARAY 2	BLACKBURN 0
RANGERS 2	LIVERPOOL 1
RIVER PLATE 0	BAYERN MUNICH 0
MANCHESTER BROWN 1	REAL MADRID 2
PARIS ST GERMAIN 2	TOTTENHAM 2
ATLETICO MINEIRO 2	AC MILAN 0
SAMPDORIA 3	JUVENTUS 2
DEGEVA CREMPAS 0	MANCHESTER UNITED 1
BARCELONA 1	ARSENAL 3
NEWCASTLE 1	LAZIO 3

Round 8

AJAX 2	MANCHESTER BROWN 3
GALATASARAY 1	TOTTENHAM 3
RANGERS 0	ATLETICO MINEIRO 0
RIVER PLATE 1	SAMPDORIA 3
BAYERN MUNICH 0	MANCHESTER 1
LIVERPOOL 0	AC MILAN 1
BLACKBURN 2	PARIS ST GERMAIN 2
FC PORTO 1	DEGEVA CREMPAS 0
ARSENAL 2	JUVENTUS 1
BARCELONA 3	NEWCASTLE 0
REAL MADRID 2	LAZIO 0

Round 9

TOTTENHAM 2	AJAX 1
MANCHESTER BROWN 2	GALATASARAY 2
SAMPDORIA 0	RANGERS 0
ATLETICO MINEIRO 0	RIVER PLATE 2
BAYERN MUNICH 1	ARSENAL 2
LIVERPOOL 2	PARIS ST GERMAIN 0
AC MILAN 2	BLACKBURN 0
LAZIO 2	FC PORTO 1
MANCHESTER UTD 0	BARCELONA 0
DEGEVA CREMPAS 1	NEWCASTLE 0
JUVENTUS 0	REAL MADRID 1

Round 10

AJAX 3	ATLETICO MINEIRO 0
GALATASARAY 0	SAMPDORIA 2
RANGERS 2	MANCHESTER BROWN 0
RIVER PLATE 2	TOTTENHAM 1
NEWCASTLE 0	BAYERN MUNICH 0
DEGEVA CREMPAS 4	LIVERPOOL 3
BLACKBURN 0	JUVENTUS 2
FC PORTO 1	BARCELONA 2
LAZIO 1	MANCHESTER UNITED 0
ARSENAL 1	AC MILAN 0
REAL MADRID 1	PARIS ST GERMAIN 1

HOW TO ADD UP YOUR SCORE

Twenty two teams were printed in the March and April issues of CU Amiga Magazine and the One For Amiga Games, and you should have chosen players from at least six of them. We won't go into any more detail about how the teams were formed because the competition entry date has now passed so you can't enter any more.

Points are added or deducted by conceding no goals in a match, scoring against the opposing team and letting in goals. The following list will tell you just how that works for each player.

- GOALKEEPERS (G): Give yourself four points (+4) if your selected goalkeeper has kept a clean sheet (ie, he's not let in any goals in a game). Deduct one point (-1) for every goal he has let in.
- DEFENDERS (D): Defenders receive four points (+4) for every goal they score and three points (+3) for every clean sheet they keep. However they lose one point (-1) for every goal their team concedes.
- MIDFIELDERS (M): Midfielders score four points (+4) for every goal they score.
- ATTACKERS (A): Attackers receive three points (+3) for every goal they score.

To work out your overall team management score add up the points that your four defenders, four midfielders and two attackers have gained by scoring in the first month's table of goal scorers on the opposite page. Then add to this the amount of clean sheet points your goalkeeper and defenders have had. Finally add up all the goals that have been scored against each of your defenders and your goalkeeper and subtract this total from your previous points score total. You now have your overall score.

As an example see how Nemesis Software boss and supremo Jon Hare's team worked out using this scoring system in the box above.

Hi Quality Version Available on AMIGAND.COM

Round 11

[illegible]

Round 12

[illegible]

Round 13

[illegible]

Round 14

[illegible]

GOALS SCORED MONTH 1

The following figures relate to the total amount of goals scored by each player in all 14 rounds played this month. Use this to calculate the plus points for defenders, midfielders and strikers.

PLAYER	POSITION	CODE	NO OF GOALS
AC MILAN (ITALY)			
[illegible]	[illegible]	[illegible]	[illegible]
AJAX (HOLLAND)			
[illegible]	[illegible]	[illegible]	[illegible]
ARSENAL (ENGLAND)			
[illegible]	[illegible]	[illegible]	[illegible]
ATLETICO MINEIRO (BRAZIL)			
[illegible]	[illegible]	[illegible]	[illegible]
BARCELONA (SPAIN)			
[illegible]	[illegible]	[illegible]	[illegible]
BAYERN MUNICH (GERMANY)			
[illegible]	[illegible]	[illegible]	[illegible]
BLACKBURN ROVERS (ENGLAND)			
[illegible]	[illegible]	[illegible]	[illegible]
FC PORTO (PORTUGAL)			
[illegible]	[illegible]	[illegible]	[illegible]
GALATASARAY (TURKEY)			
[illegible]	[illegible]	[illegible]	[illegible]
JUVENTUS (ITALY)			
[illegible]	[illegible]	[illegible]	[illegible]
LAZIO (ITALY)			
[illegible]	[illegible]	[illegible]	[illegible]
LIVERPOOL (ENGLAND)			
[illegible]	[illegible]	[illegible]	[illegible]
MAMELODI SUNDOWNS (SOUTH AFRICA)			
[illegible]	[illegible]	[illegible]	[illegible]
MANCHESTER UNITED (ENGLAND)			
[illegible]	[illegible]	[illegible]	[illegible]
[illegible] (JAPAN)			
[illegible]	[illegible]	[illegible]	[illegible]
NEWCASTLE UNITED (ENGLAND)			
[illegible]	[illegible]	[illegible]	[illegible]
Paris St-Germain (France)			
[illegible]	[illegible]	[illegible]	[illegible]
Rangers (Scotland)			
[illegible]	[illegible]	[illegible]	[illegible]
REAL MADRID (SPAIN)			
[illegible]	[illegible]	[illegible]	[illegible]
RIVER PLATE (ARGENTINA)			
[illegible]	[illegible]	[illegible]	[illegible]
SAMPDORIA (ITALY)			
[illegible]	[illegible]	[illegible]	[illegible]
TOTTENHAM HOTSPUR (ENGLAND)			
[illegible]	[illegible]	[illegible]	[illegible]

Hi Quality Version Available on AMIGALAND.COM

Next Month

[illegible]

Points of View

Boring Bulletins

John Kennedy has some things to say about Bulletin Boards and the dreaded Information Superhypeway

Bulletin Boards are boring. Before you rush to the end of this rant to find my E-mail address and toast me with a flame, please hear me out. I don't mean that I think that Bulletin Boards are dull and tedious by definition and are used by dull and tedious people with a tenuous grasp of true social interaction. Far from it, my local board has given me a great deal of enjoyment thanks to the FidoNet system where I've met and chatted with other comms enthusiasts from all over the world. And they were not dull, tedious or socially inadequate.

Too difficult?

Bulletin Boards are boring because they are based on ancient technology. The first boards were slow, text-only systems, where users had to register, log in, then pick options from on-screen menus by selecting the right keypresses. Once into the system, they could look through message and file areas, struggle with options and maybe get to download stuff.

And what has changed since those first boards? Practically nothing. I recently watched an intelligent computer literate adult use a BBS for the first time. He was stuck within minutes. This is the problem. Comms is too damn difficult. It's a crazy situation. Look at the *Mosaic* browser for the *World Wide Web* system on the Internet. It's brilliant — click here, click there, colour graphics, sound, animation. It's the way comms should be: not some archaic system of ANSI character sets. The *World Wide Web* works because the pages of information which make up the text and pictures you see are all based on special embedded codes called HTML. It's a brilliantly simply system: you just used codes like this to make changes to the text style. You want a picture? Easy, add something like this <img scr="picture.gif">.

This is all possible thanks to the 'Client/Server' systems. The client program runs on your computer, the server runs on the remote system. Rather than just display text sent from the server system, the client acts intelligently and can display graphics or sounds, or move icons and windows around the screen. For example, the server might transmit the code '<b>' and instead of displaying the letter 'B' the client executes a routine that changes the font into bold style.

The answer?

Recently I've been working on a system called Balloo which tries to take the HTML standard and hammers it into a form that Bulletin Boards can use. The problem is not with the BBS Host Software, but with a suitable client. To this end I've been coding a new form of comms terminal for the Amiga. It looks like any other, except when text from the BBS host arrives in HTML format, it is rendered properly. This includes graphics and buttons that the user can click on; clicking on a button simply returns a key-press, so the host system doesn't have to do anything clever. The only changes the SysOp has to make is to include an HTML option for the menu screens he has on-line.

There are problems to overcome of course. The Internet was originally designed on the principle that connection was never a problem: machines were on-line permanently. If you have ever seen a really fast Internet link running a program such as *Mosaic*, you'll know what a really smart tool it is, and how trying to use it with a 14,400 or 28,800 modem link is really a bit of a joke. *Mosaic*, and most Usenet news readers and E-mail systems, are all geared for on-line use: there is no off-line option for the reason that the originators were always on-line 100% of the time. Besides, the *World Wide Web* works because all the other systems are on-line and there is so much information to choose from that trying to make an off-line system is ludicrous.

Unfortunately, in the UK the majority of modem users know that every second they spend on-line costs them money: and as my telephone bills will testify, it's not cheap if you have to use the Net. What we need are new tools, specifically tailored to the needs of the home computer user. *Mosaic* isn't enough, and a normal BBS is too limited and down right difficult to use.

So we have to capitalise on the facilities we do have. The latest modems, the V34 28,800 modems are far from ISDN links, but they are probably as fast as we can expect to get down a telephone line and they are getting cheaper. So is off-line storage – the other day I got a SCSI 21 Gigabyte drive for less than I spent on a drive of only a third of that capacity a year ago.

We've got fast processors, and great graphics. In theory we have a terrific platform on which to run a stunning client system. What can we do about it?

The Balloo project is a start. I know there are systems such as RIP out there, but I feel they are probably not the direction in which we should be moving. If you think you would like to help, or have any comments please get in touch with me either by post through the magazine or via electronic mail. ■

E-mail: j_kennedy@delphi.com
FidoNet: 2:443/13.4

The opinions expressed in this article are not necessarily those held by CU Amiga Magazine. If you hold an opinion on the Internet or any other Amiga related topic then Email us at CUAMIGA@cix.compulink.co.uk, or the one@cix.compulink.co.uk.

Hi Quality Version Available at AMIGALAND.COM

Next Day £5.00
2-3 Days £2.50 Saturday £10.00
Deliveries are subject to stock availability
Allow up to 7 days for cheques to clear

POWER

TELEPHONE 01234 273000

POWER COMPUTING LTD
44a/b Stanley St. Bedford MK41 7RW
Tel 01234 273000 Fax 01234 352207

TOWER CASES

The A1200 Tower comes complete with 3 x 5.25" drive bays, 5 x 3.5" drive bays, real time clock, 5 x Zorro slots, 4 x PC slots and a keyboard interface.

The A4000 Tower comes complete with 6 x 5.25" drive bays, 5 x 3.5" drive bays, real time clock, 7 x Zorro slots and 5 x PC slots.

Both Towers are easy to install.

TOWER A1200 . . . . . **£499**
TOWER A4000 . . . . . **£429**
EXTENDED KEYBOARD **£29.95**
PSU 230watt **£99.95**
PSU 250watt (available 3/95) . . **£129.95**

VIDEO DAC 18-BIT

NEW £39.95

Video Dac 18-bit is a graphics card which allows the Amiga to display 262,144 colours simultaneously. The software can display images or animations created and saved with any other 24 bit program.

Video Dac 18-bit plugs externally into the RGB connector with 'thru' port capabilities, allowing the use of digitisers such as Videonic, or a genlock recording with your VCR any image you created in 262,144 colours.

Video Dac 18-bit is able to split the screen and display images/animations at different resolutions or colours at the same time.

Medium Res:	320 x 256 PAL
	320 x 200 NTSC
High Res:	320 x 512 PAL
	320 x 400 NTSC
Overscan:	384 x 576 PAL
	384 x 482 NTSC
Max Res:	768 x 576 PAL
	668 x 482 NTSC

All resolutions display 262,144 colours

The free bundled software saves your images in the following formats: IFF, IFF24, RGB and Anim, plus a series of dithering modes to enhance the overall quality of the images.

VIDEODAC **£39.95**

ACEEX MODEMS

Acorn Fax Modems feature: Full Hayes compatibility, error detection + correction, modem cable and manuals included, NComm telecommunications software, Auto dial, Auto answer and leased line support.

ACEEX 2432 BIS 14,400 bps **£169**
ACEEX 2432 BIS FastFax 28,800 bps **£229**
TRAPFAX Fax Modem Software . . . **£49**

HISOFT PRODUCTS

SQUIRREL SCSI INTERFACE Connect SCSI peripherals **£59.95**
AURA 12/16-bit direct- to -disk sampler A600/1200 . . . . . **£79.95**
MEGALOSOUND 8-bit direct- to -disk sampler, all Amigas **£29.95**
VIDEOMASTER AGA Realtime video with sound + stills A600/1200 **£59.95**
VIDEOMASTER AGA RGB VideoMaster AGA plus ColourMaster **£99.95**
VIDEOMASTER Realtime video with sound + stills A500/A500+ . . . **£52.95**
VIDEOMASTER RGB VideoMaster plus ColourMaster A500/A500+ **£89.95**
COLOURMASTER RGB splitter for VideoMaster **£52.95**
PROMIDI INTERFACE Amiga Midi interface **£19.95**

Hi Quality Version Available on AMIGALAND.COM

GENLOCKS/DIGITIZERS

GRAPHIC SYSTEMS

Maxigen 2 is a very high quality genlock for over laying graphics onto VHS or SVHS. Full hardware fades, colour composition controls and excellent keying quality.

MAXIGEN 2 Genlock **£299.95**

PICASSO II

Picasso II is a 24-bit graphics card offering true retargetable graphics on any Zorro based Amiga. Picasso resolutions are available from the standard ScreenModes program, all useable by OS friendly programs. The new Chunky option offers incredible speed with a 256 Workbench which is many times faster than AGA! All screens are stored in fast RAM, removing 2MB Chip RAM limitations. PicassoMode allows the creation of custom screens quickly and simply. Picasso II comes with TVPaint Junior and drivers for ImageFX, ArtPro, ImageMaster, Real 3D and GIF, IFF, JPEG and MPEG viewers. Also included is the MainActor animation program.

PICASSO II . . . . . **£299.95** **WITH TV PAINT 2.0 £329.95**
PABLO Video Encoder . . **£129.95**

AGA FLICKERFIXER

DoubleDoubler II is a full 24-bit AGA Flicker fixer for the Amiga 4000. It automatically de-interlaces all AGA screen modes and scan-doubles non-interlaced PAL/NTSC modes to allow VGA monitors to display them. Supports VGA only, S-VGA and Multiscan monitors. Pixel perfect picture, even at 1440 horizontal resolution. It has a standard 15 pin VGA type connector and comes with composite video/SVHS outputs.

DOUBLEDOUBLER II **£399**

TANDEM CD-DE

This card allows you to connect a CD-ROM drive to your Amiga 2000/3000/4000. Supports 3.5" and IDE HDs. Complete with cables, software and manual. ROM 2.04 or above.

TANDEM CD-DE CARD **£69**

OCTOGEN SCSI-2

SCSI-2 controller card for the Amiga 1500/4000. Upgradable to 8MB of RAM.

OCTOGEN 2008 . . . . . **£129**

VGA ADAPTOR **£15**

Name
Address
Postcode
Telephone
System Owned
Description
Total Amount (inc. delivery) £
Payable to Power Computing Ltd
Credit Card No.
Signature
Expiry Date
Delivery 2-3 Days £2.50 ☐ Next Day £5 ☐ Sat £10 ☐ Minimum Delivery £2.50

All products have a 12 month warranty unless otherwise specified
Trade and Educational orders welcome - Worldwide distribution available

All prices include VAT. Specifications and prices are subject to change without notice. All orders are accepted subject to our terms and conditions of trade, copies of which are available free of charge on request.

Turbo TRAX

ARCANE
ENTERTAINMENT LTD

Hi Quality Version Available on AMIGALAND.COM

AMIGA ACTION 92%
"The best Amiga Racer ever"

CU AMIGA
"Turbo Trax - the most playable racing game yet!"

Markeled by **Kompart UK**
01438 840004

Also available at all good software stockists

Virgin, Futurezone, Beatties, Game, HMV, WH Smiths,Software Plus, Toys 'R' Us

Available for all formats

Hi Quality Version Available on AMIGALAND.COM

Tutorials: Modeler 3D ■ Di
CU AMIGA MAGAZINE
AM
MAG
HARD
WORTH £200!
ProDraw
Full Progra
PLUS
Superb demo
OctaMED 6
Baldies!
HARDWARE - CHOOSING A PRINTER & FITTING A HARD
MAY 1995
FULL PROGRAM
ProDraw 3
AMIGA
OctaMED 6
Baldies