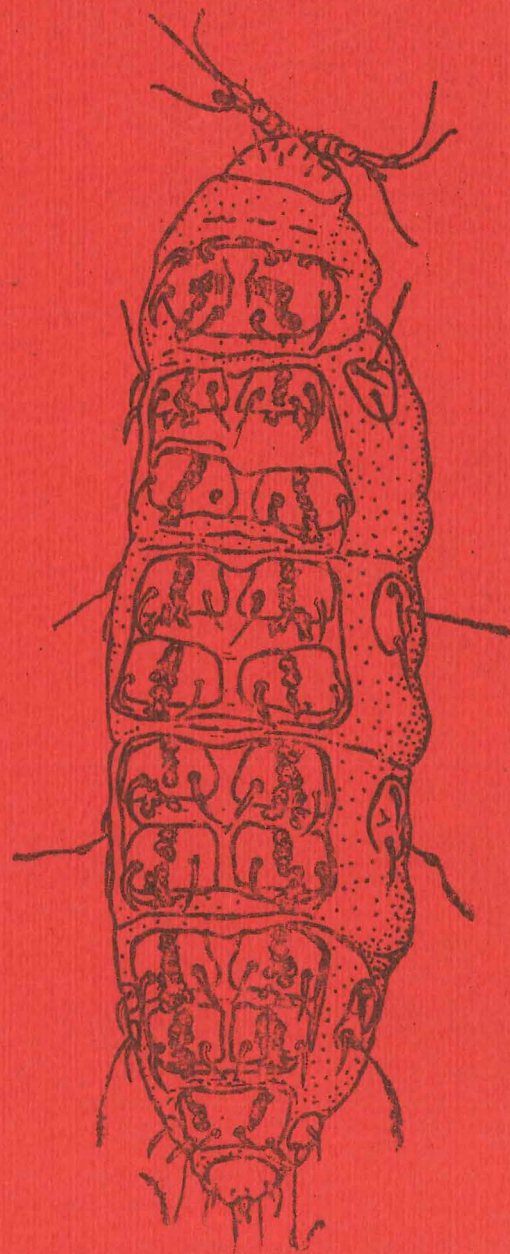


CENTRE INTERNATIONAL DE MYRIAPODOLOGIE

LISTE DES TRAVAUX
PARUS
ET SOUS PRESSE
EN 1980

(MYRIAPODES et ONYCHOPHORES)

ANNUAIRE MONDIAL
DES MYRIAPODOLOGISTES



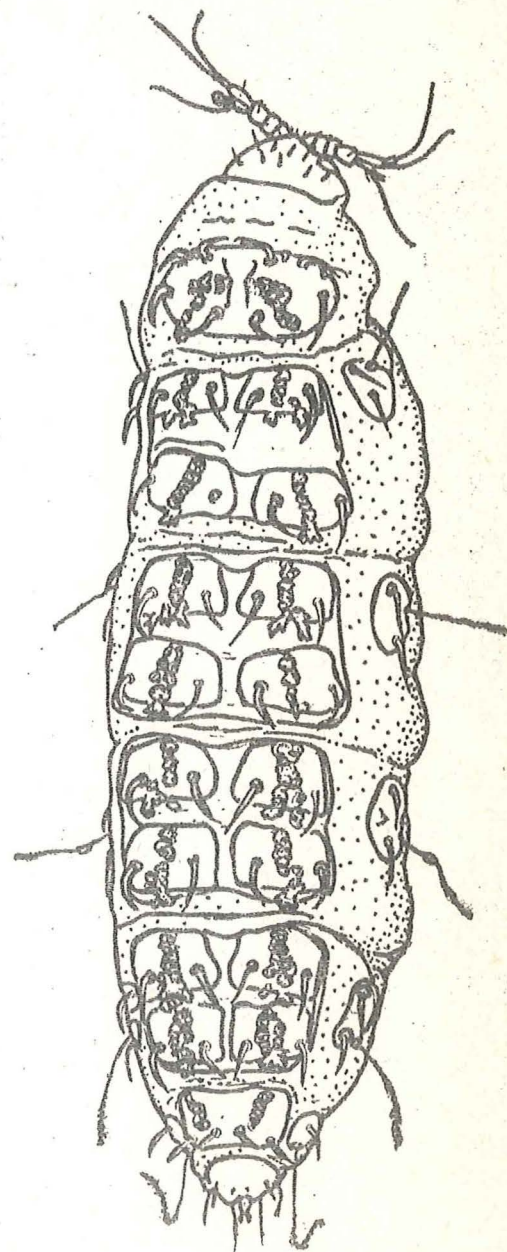
MUSÉUM NATIONAL D'HISTOIRE NATURELLE
Laboratoire de Zoologie-Arthropodes · 61, rue Buffon · 75005 PARIS · France

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MUSÉUM NATIONAL D'HISTOIRE NATURELLE
Laboratoire de Zoologie-Arthropodes · 61, rue Buffon · 75005 PARIS · France

1981

SOMMAIRE

CONTENTS

ZUSAMMENFASSUNG

	Pages Seite
William Tinsley KEETON (1933-1980).....	1
5th INTERNATIONAL CONGRESS (R A D F O R D).....	3
To our colleagues...An unsere Kollegen...A nos collègues.....	4
ANNONCES... ADVERTISEMENTS... ANZEIGE.....	5
ON RECHERCHE... WANTED ... WIR SUCHEN	6
N E W	7
After the 4th Congress (Continuation...by F.Sahli).....	9
Sujets actuellement abordés ou en projet	
Matters being dealt or scheduled	11
Bereitslaufende oder in Vorbereitung befindliche Vorhaben	
List of WORKS PUBLISHED or IN PRESS in 1980	
Liste des TRAVAUX PARUS et SOUS PRESSE en 1980.....	17
Liste der ERSCHIENENEN -und IM DRUCK- ARBEITEN des Jahres 1980	
Additif.....	45
Directory of Myriapodologists	
Annuaire Mondial des Myriapodologistes.....	47
Jahrbuch der Myriapodologen	

1998

1998

1998

1998

1. The first step in the process of developing a project is to identify the problem or need that the project is intended to address. This is often done through a series of meetings and discussions with stakeholders, including clients, sponsors, and team members.

2. Once the problem is identified, the next step is to define the project's objectives and scope. This involves setting clear, measurable goals and determining the boundaries of the project, including what is included and what is excluded.

3. The third step is to develop a project plan, which is a document that outlines the project's schedule, resources, and risks. This plan is used to guide the project and to communicate the project's progress to stakeholders.

4. The fourth step is to execute the project plan. This involves managing the project's day-to-day activities, including monitoring progress, managing resources, and addressing any issues that arise.

5. The final step is to close the project, which involves evaluating the project's performance, documenting the results, and transferring the project's outputs to the client or sponsor.

6. The final step in the project management process is to evaluate the project's performance. This involves comparing the project's actual performance against the project's plan and identifying any areas for improvement.

7. The final step in the project management process is to transfer the project's outputs to the client or sponsor. This involves ensuring that the project's outputs are delivered on time and to the client's satisfaction.

† William Tinsley Keeton
1933 - 1980

On August 20, 1980, Prof. William T. Keeton suffered a fatal heart attack at his home in Ithaca, New York. The end came during a social gathering, while he was surrounded by family, friends, and students.

Bill Keeton was born in Roanoke, Virginia on February 3, 1933. From an early age he was an avid naturalist, with a particular interest in Ornithology. His undergraduate university years were spent at the University of Chicago where, as a student of Alfred E. Emerson, he earned a bachelor of arts degree in 1952, and a bachelor of Science in 1954. In 1954 he entered the graduate school of Virginia Polytechnic Institute, planning to take a degree in Entomology. I first met him there and we proved to be kindred spirits in many ways; he quickly became interested in Diplopod systematics and showed an amazing aptitude for almost instant mastery of the subject. His master's thesis was a revision of the xystodesmid genus Brachoria.

In 1957 Keeton moved to Cornell University to take a doctoral degree, majoring in Entomology under the hymenopterist Howard E. Evans. Intending to specialize in the spiroboloid millipeds of the world, he started with his doctoral thesis which was a monograph of the Spirobolidae - up to that time a chaos of unrelated genera replete with poorly-known species. In short order Bill had redefined the family into a coherent, clear-cut taxon; organized the genera and subfamilies; and disposed of the numerous synonyms that infested most of the genera. Published in 1960, this revision is a model of careful, modern systematics, the first of its kind for any milliped group.

Following graduation from Cornell, he was immediately employed there as a member of the faculty in Biology and showed great ability as a lecturer, highly esteemed by his students. He rose rapidly through the faculty ranks at Cornell, and by 1968 achieved the rank of Professor; two years later he became Chairman of the Department of Neurobiology and Behavior.

Although he continued work in milliped taxonomy during the early 1960's, Bill gradually became more and more involved in the writing of a biology textbook and in the subject of homing and migration in birds. The textbook was an instant success and, having gone through several editions, has sold more copies than any other comparable book ever written; it is used in nearly all English-speaking countries of the world. The interest in bird migration eventually led to an extensive

research program at Cornell, and to the eventual end of his milliped research.

Keeton was always an avid field naturalist and I enjoyed his stimulating company on many excursions in the Appalachian mountains. Shortly after his marriage in 1958, he and his wife and three friends made a long collecting trip to Mexico, spending several weeks on the isolated Vulkan San Martin in the coastal plain of Vera Cruz. Regrettably the large collections of Myriapods assembled during this excursion remain mostly unstudied.

Keeton published a total of 13 papers on millipeds, most of them on the taxonomy of Spiroboloids and Polydesmoids. He named a total of 19 new species, two new genera, and the new families Allopocockiidae and Floridobolidae. He had also made extensive progress toward a monograph of the Rhachodesmidae before his attention was fully captured by his first love, Ornithology, and he kept always the hope of eventually returning to systematic work.

Sudden and unexpected death remains incomprehensible even to the most sophisticated, but it is particularly poignant for this writer to be bereft of a long-time friend and colleague, and for the scientific community to be deprived of a productive and gifted teacher and researcher, just at the very point in a career when major discoveries in the field of bird orientation seemed imminent. For the readers of this notice, his superb monograph on Spirobolidae will long be recognized as a memorial.

Bill Keeton is survived by his wife of 22 years, Barbara Orcutt Keeton, a son, and two daughters.

Richard L. Hoffman



5TH INTERNATIONAL CONGRESS OF MYRIAPODOLOGY

AUGUST 2-7, 1981

RADFORD, VIRGINIA

Sponsored by Radford University and the Centre International
de Myriapodologie

COMMUNIQUE !

January 1981

A newsletter and request for information on program and housing has been sent by airpost to all persons who returned the questionnaire of January 1980.

The time selected (August 2-7, 1981) was that indicated by the greatest number of persons. It is hoped, that it will be possible even for those who did not chose this time to attend.

If ANYONE did not receive by now a copy of the newsletter, and plans to attend the congress, please advise me at once, to receive further information. When all questionnaires are returned, at latest in March, I can complete the program schedule and make the final arrangements for housing.

European delegates are reminded, in making their travel plans, that the nearest airport to Radford is at ROANOKE, Virginia, which is connected to all major US cities by "Piedmont Airlines".

It was decided to begin the meetings on Monday, August 3, because it is usually less expensive to travel on week-ends. Delegates may come to Radford on either Saturday, August 1, or Sunday, August 2. Our registration and first social gathering will be on Sunday, but housing will be available on Saturday night for anyone wishing to arrive early. Further details will be sent when the program is mailed to delegates in June.

It is the responsibility of European delegates (and those from other countries) to investigate any advantage of charter rates for individuals or groups. Many kinds of unscheduled flights are available at low rates, under certain conditions, but require reservations well in advance.

Those who wish to continue from the Congress to further travel in the U.S. will be provided with information about travel costs, auto rental, motels, &c, probably in the June mailing of the program.

For information on specific or individual questions or problems, please communicate directly with me by air post.

Richard L. Hoffman
Radford University

TO OUR COLLEAGUES,

We apologized not to have done this before (for economical reasons). By this lines we want to thank our colleagues who have sent us their voluntary contributions.

We want to recall that the C.I.M. is an informal group of all the myriapodologists and that our parisian office does not perceive any cotisation, but fonction thanks to your voluntary annual contributions.

The annual help is 25 francs and must be send to

Mr. J.M. DEMANGE , Bank "SOCIETE GENERALE"
 Agence A.L. Gobelins
 75005 Paris

or Postalcheeking account C.C.P. Paris 86-11

We ask to those of us, who for different reasons cannot sent money, but who receive the annual bulletin of the CIM to think of sending different publications, separata and all works subceptible to enrich our Library CIM.

In advance , to all , thank you.

AN UNSERE KOLLEGEN!

Wir danken hiermit den Kollegen, die uns ihre freiwillige Kontribution zukommen liessen und entschuldigen uns, dies nichts bereits früher (aus wirtschaftlichen Gründen) getan zu haben.

Wir erinnern daran, dass das CIM eine Informationsgemeinschaft aller Myriopodologen ist und sein Pariser Büro keine Zuschüsse erhält, sondern nur durch die jährlichen freiwilligen Beiträge arbeiten kann.

Dieser jährliche Beitrag ist auf 25 francs festgelegt und muss an

Herrn J.-M. DEMANGE gezahlt werden :
 Bank "SOCIETE GENERALE", Agence A.L. Gobelins
 75005 PARIS

oder Postkonto C.C.P. Paris 86-11

Wir bitten alle diejenigen, die den Jahresbericht des CIM erhalten, jedoch aus verschiedenen Gründen kein Geld zusenden können, uns separat Publikationen zukommen zu lassen, sowie jegliche Literatur, welche die Bibliothek des CIM bereichern könnte.

Wir danken allen im voraus !

A NOS COLLEGUES ,

En nous excusant auprès d'eux de n'avoir pu le faire individuellement, pour des raisons économiques, nous tenons à remercier ici les collègues qui nous ont déjà fait parvenir leur contribution volontaire.

Nous rappelons que le CIM est un groupement informel de tous les myriapodologistes et que son secrétariat parisien ne perçoit pas de cotisations, mais fonctionne grâce aux contributions volontaires annuelles. Cette aide annuelle est fixée à 25 francs ; elle doit être versée à Monsieur J.M. DEMANGE

SOCIETE GENERALE, Agence A.L. Gobelins, 75005 PARIS

ou CCP Paris 86-11

Nous demandons à ceux d'entre vous qui, pour différentes raisons, ne peuvent envoyer d'argent, mais reçoivent le bulletin annuel du CIM, qu'ils peuvent nous envoyer des publications, separata et tous ouvrages susceptibles d'enrichir la Bibliothèque du CIM.

A tous , d'avance , merci.

Paris , le 7 avril 1981

PROVISIONAL ATLAS of the MYRIAPODS of EUROPE

Following the decision of the 4th International Congress of Myriapodology, it is the intention to =

1) Send records of myriapods distribution throught Europe to the European Invertebrate Survey and contribute to the Atlas they are preparing.

2) To ask for ecological details to accompany records so that the distribution of the Myriapods may be related to their habitat and not just to their geographical region. This could lead to a more detailed publication of great use to myriapodologists working in the field.

It is hoped in the future to send both =

a) Maps of countries marked with the universal transverse mercator grid (this is the grid used by the European Survey) and,

b) Ecological habitat cards with lists of the Myriapods of their region, to volunteers who would fill in their data and send them to the survey.

VOLUNTEERS ARE ASKED TO CONTACT

R. DESMOND K I M E

Boite 4

27 avenue du Vert Chasseur

1180 BRUXELLES (BELGIUM)

OMMATOIULUS MORELETI - BIOLOGICAL CONTROL

The millipede O.moreleti, is a native of Portugal and an introduced pest in south-eastern Australia. Where O.moreleti occurs in Australia it is in very high numbers and constitutes a severe nuisance especially in urban situations where gardens are large and the houses are interspersed with scrub, rough grassland and woodland. The distribution of O.Moreleti within Australia is rapidly increasing.

The Division of Entomology, C.S.I.R.O. Australia has begun research in Portugal with the aim of finding natural enemies of O.moreleti that might be useful in a biological control program against the species in Australia. The natural enemies of millipedes in general are poorly documented. Any information relevant to biological control or other means of reducing numbers of millipeds would be welcomed

Dr. G.H. BAKER, Div. of Entomology
CSIRO Australia
Departamento de Entomologia
Estatçao Agronomica Nacional
OEIRAS Portugal

ON RECHERCHE///

ON RECHERCHE///

ON RECHERCHE///

WANTED///

WANTED///

WIR SUCHEN///

WIR SUCHEN///

MATERIEL VIVANT OU CONSERVE

LEBEND- OR MUSEUMS MATERIAL

LIVING OR PRESERVED MATERIAL

- P. BERON.- Any myriapoda in alcohol for the Museum (Sofia).
 H. ENGHOFF.- Specimens of Paeromopidae and Rhopaloiulus, preserved or alive.
 C.P. FAIRHURST.- Cylindroiulus (londinensis-teutonicus-finitimus)
 R. FRANKLIN.- need living Scutigera sp. for studies of their locomotion. Collecting and postage fees gladly paid.
 J.J. GEOFFROY.- Diplopedes et Chilopodes des Alpes françaises et des Causses
 S.I. GOLOVATCH.- Collections conservées, pour identification, des Carpathes, du Caucase et du Viet-Nam.
 R.L. HOFFMAN.- Any material, living or preserved, of Chelodesmid families; also collections from East Africa and South America, will sort, identify, and return or exchange
 C.A.M. JEEKEL.- Echangerait tous matériaux (Diplopedes et Chilopodes) déterminés.
 Reçoit volontiers tout Paradoxosomatidae (=Strongylosomidae) du monde entier pour identification
 I. F. KOCH.- Australian Scolopendridae
 K. LAFFERI.- Tout matériel vivant (Diplopoda) pour études cytologiques
 P.M.H. LITTLEWOOD.- I would very much like to acquire some large tropical Scolopendromorph centipeds for my research. Live specimens preferable.
 A. MARQUES.- Scutigermorphes vivants (de toute zone du globe) pour études de parasitologie (Coccidies et Grégarines)
 J.P. MAURIES.- Stemmiulides, Craspedosomides, Chordeumides et Cambalides (Diplopoda) pour identification.
 Diplopedes des Petites Antilles.
 B. MEIDELL.- Mâles et femelles de Polydesmus sp. d'Europe centrale et orientale
 M. NGUYEN-DUY.- Pénicillates (vivants de préférence) de l'hémisphère sud (Synxenidae: adultes à 17 paires de pattes)
 A. PEDROLI-CHRISTEN.- Tous Diplopedes de Suisse (pour inventaire faunistique).
 L.A. PEREIRA.- Géophilomorphes néotropicaux pour identification.
 H. RUHBERG.- Lebende Peripatidae sowie undeterminiertes süd- und mittelamerikanisches Material.
 Fr. SAHLI.- Colobognathes vivants.
 R.M. SHELLEY.- Xystodesmidae from any region of the world
 Melaphinae from Mediterranean area

DEMANDES D'INFORMATION

WIR SUCHEN INFORMATIONEN

INFORMATION WANTED

- G.H. BAKER.- voir notre rubrique ANNONCES
 Mrs Kubra BANO.- Reprints of different works on Diplopoda are urgently required. Please make arrangement to send your reprints along with others
 R.D. KIME.- voir notre rubrique ANNONCES
 Mrs. N. MARIAMMAL DEVARAJ.- Reprints on physiology of millipeds
 S.C. and G.S. SHUKLA.- Literature on digestive physiology to start the writing of review on digestion in millipeds
 S.P. TRIPATHI.- Exchanges of reprints
 ZANG CHONG-ZHOU.- recherche l'ouvrage : " Attems C., 1936, Diplopoda of India. Mem. Ind. Mus. Calcutta 11 : 133-323, 94 fig."

Estimating the size of animal populations

NEW

J. Gordon Blower Laurence M Cook James A Bishop

This is a handbook on the measurement of a crucial variable in studies of animal ecology, both terrestrial and aquatic. It explains the rationale of the procedures and develops the concepts involved from first principles, with a minimum of statistical discussion. There is a wealth of examples, mostly from undergraduate field courses, and the problems often encountered are discussed in a clear and helpful manner.

Each type of organism presents its own problems, and the treatment in the book has been kept as free of context as possible. The examples used are terrestrial invertebrates and small mammals, but the methods may equally be applied to aquatic organisms. Area sampling of animals as diverse as earthworms and game mammals is discussed. Mark-release-recapture methods are described as a progression through the two-, three- and multiple-capture situations. Detailed discussions of MRR is based on one set of data analysed by many methods, and their various estimates are used to illustrate their strengths and weaknesses. Sampling with removal is considered and short-cut 'tricks' with electronic calculators are noted where appropriate. Summary tables, a glossary and a full complement of references to more advanced and specialised words will enhance the usefulness of the book.

Whatever the particular biological circumstances with which the reader has to deal, the book should indicate the logic of the statistical methods available and provide a guide to the steps in calculation. The considerable and wide-ranging experience of the authors should ensure that the book becomes an essential reference manual for undergraduates, postgraduates, research workers and amateur naturalists.

Publication date: January 22nd 1981

96 pages 43 line illustrations

0 04 591017 0 Hardback £9.50

0 04 591018 9 Paperback £4.95

George
Allen & Unwin

Further details from Academic Marketing,
P.O. Box 13, Park Lane, Hemel Hempstead, Herts, HP2 4TE, England. Tel: 0442 3244.

- 1 INTRODUCTION - The Population - The Sample - Sampling Sessile or Relatively Immobile Animals - Sampling Relatively Mobile Animals - Area Samples and Time Samples - The Bounds of the Population Estimated - First Catch Your Hare
- 2 AREA SAMPLES - Introduction - Basic Principles - The Effect of Pattern - Accuracy of the Estimate - Example
- 3 TIME SAMPLES: BASIC PRINCIPLES OF MARK, RELEASE AND RECAPTURE - Introduction - The Principle of the Lincoln Index - (a) Argument in terms of simple proportion (b) Sampling intensity on the first day (c) Sampling fraction on the second occasion: argument in terms of the absolute number of marks available for recapture (d) Resume of basic principles - The Triple Catch - (a) The models (b) Analysis using number of marks (c) Analysis using numbers of marked individuals (d) The triple catch: a synthesis and conclusions
- 4 MRR METHODS IN DETAIL - Introduction - Handling the Data - (a) The field book table (b) The Manly & Parr table (c) The two types of trellis - Jackson's Method - (a) Smoothing for sampling error (b) Population estimates: first method (c) Second method - Fisher & Ford's Method - (a) Principle (b) Explanation: population estimates (c) Survival rates - Manly & Parr's Method - (a) Explanation: population estimates (b) Survival rates (c) Temporary migration - Separating Death from Emigration - Minimum Number of Animals Known to be Alive - Expectation of Life
- 5 TIME SAMPLES WITH CONSTANT SAMPLING EFFORT - Introduction - Trapping and Removal - (a) Two-sample method (b) Several successive samples, maximum likelihood method (c) Several samples, regression method - Increase in Fraction Marked in a Mark and Release Sequence - (a) Regression method (b) Maximum likelihood method - Estimation from Frequency of Recapture - Change in Ratio of Two Classes After Unequal Removal - Conclusions
- 6 ESTIMATION OF ERROR - Introduction - The Effect of Sampling Error - Skewness of the Estimate - Sample and Sub-sample Size - A Method for Estimating Errors - Two End Points - Calculation
- 7 CHOOSING A METHOD - Introduction - Inherent Bias: A Problem When Data are Scarce - Bias Caused by Failure of Data to Fulfil Underlying Assumptions of the Model

In you have difficulty obtaining this book, please complete and return this form with your payment, including 30p per copy direct delivery charge.

Please supply copy/ies of ESTIMATING THE SIZE OF ANIMAL POPULATIONS

I enclose a cheque for a total of £.....
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Inspection copies of the paperback edition are available for consideration as recommended reading for students. To request your copy please give details of your course.

Course title.....No. of Students.....
 Name.....
 Address.....

About 2 papers (Chapter 23 : different types of neurosecretory system in Diplopoda by F. Sahli, and Chapter 31 : the latero-oesophageal complex in Julidae by F. Sahli and J. Petit) published in MYRIAPOD BIOLOGY (1979) by "Academic Press" (Fourth international Congress of Myriapodology).

Many points of the original English manuscripts have been modified but nobody asked the advise of the author(s) on these modifications,

Furthermore, as no galley proofs were sent to me, I was unable :

- 1) to correct the inexactitudes and misinterpretations inserted without my knowledge. The meaning of a number of sentences has been altered in such a way that one made me assert wrong things; furthermore were printed things I never wrote. "Academic Press" states to have no hand in this matter.
- 2) to make some indispensable modifications of the original texts.
- 3) to correct the misprints.

Colleagues who would like to have the rectified texts could get them by asking me for them.

François Sahli

A propos de 2 notes (Chapter 28 : different types of neurosecretory systems in Diplopoda by F. Sahli et chapter 31 : the latéro-oesophageal complex in Julidae by F.Sahli and J.Petit), parues dans MYRIAPOD BIOLOGY, 1979, Academic Press (4 ème Congrès international de Myriapodologie).

Les deux manuscrits anglais ont été modifiés en de nombreux endroits sans le consentement de l'auteur ou des auteurs.

N'ayant reçu aucune épreuve à corriger, il en découle que j'ai été dans l'impossibilité :

— 1) de rectifier les inexactitudes et les contresens introduits à mon insu : l'on m'a fait dire des choses fausses ou des choses que je n'avais pas écrites. " Academic Press " affirme n'y être pour rien.

— 2) d'effectuer, sur les épreuves, les modifications qu'il était nécessaire d'apporter au texte original.

— 3) de corriger les erreurs typographiques.

Je tiens à la disposition de tous ceux qui le désirent un exemplaire corrigé de chacune des deux notes, avec le texte tel qu'il aurait dû paraître dans " Myriapod Biology " après les 3 types de correction.

François Sahli

SUJETS ACTUELLEMENT ABORDÉS OU °EN PROJET

Cette rubrique n'est pas complète. Elle est la somme des renseignements transmis par 107 collègues qui ont bien voulu répondre à notre questionnaire, ce dont nous les remercions bien vivement.

MATTERS BEING DEALT OR °SCHEDULED

This list is not claimed to be complete. It consists in all information passed to us by 107 colleagues who were kind enough to answer our questionnaire, for which we thank them very much.

BEREITS LAUFENDE ODER °IN VORBEREITUNG BEFINDLICHE VORHABEN

Dieser Abschnitt erhebt keinen Anspruch darauf vollständig zu sein. Er enthält die Summe der Hinweise, die uns durch 107 Kollegen zugegangen sind, welche so freundlich waren, unsere Fragebogen zu beantworten, und denen wir verbindlich danken möchten.

-----o0o0-----

STRUCTURE ET PHYSIOLOGIE

MORPHOLOGIE

RAVOUX, Symphyla

ZANGER, morphologie fonctionnelle (ultrastructure) des Pauropoda

VARIATIONS

KOREN, variations morphologiques intrafamiliales des Cryptopidae (Autriche)

SNIDER, variations intraspécifiques de Polydesmides (biologie, biochimie, écologie).

TEGUMENTS

SEIFERT, Pauropoda

ZACCONE, études histo-enzymo-morphologiques de la cuticule de Pachyiulus

YEUX

SPIESS, ultrastructure de l'oeil des Diplopodes

SENSILLES

ERNST, ultrastructure des sensilles cuticulaires de l'antenne de Geophilus

° recherches électrophysiologiques sur Geophilus longicornis

FRANKLIN, structures sensorielles de l'antenne des Polydesmes (histologie et

HAUPT, mué des sensilles ultrastructure)

KEIL, recherches ultrastructurales sur les sensilles olfactifs des insectes

NGUYEN-DUY, organes sensoriels de l'antenne de Polyxenus lagurus.

SCHÖNROCK, ultrastructure du développement des antennes et sensilles (Polydesmus)

SYSTEME NERVEUX - NEUROPHYSIOLOGIE

SUNDARA RAJULU Electrophysiol. org. des sens

JOLY, mise en évidence des cholinestérases et des amines biogènes dans le système nerveux central et les glandes endocrines (voir ENDOCRINOLOGIE)

APPAREIL DIGESTIF - DIGESTION

Kubra BANO, estimation des composés phénoliques et tanniques de la nourriture et des excréments de Jonespeltis splendidus

HUBERT (voir APPAREIL EXCRÉTEUR)

SEIFERT, le tractus digestif des Pauropodes

SHUKLA S.C et G.S., physiologie de la digestion chez les Diplopodes

STRIGANOVA (voir ÉCOLOGIE)

APPAREIL RESPIRATOIRE - RESPIRATION - METABOLISME

MARIAMMAL DEVARAJ, métabolisme des composés organiques et inorganiques en relation avec le cycle de mue (Diplopoda); ° extraction du P et Ca, utilisation commerciale - KR. NAIR, métabolisme du corps gras (Myriapoda)

PENTEADO, respiration des diplopedes; acclimatation thermique et métabolique (Diplopoda tropicaux)

SEIFERT, appareil respiratoire des Pauropodes

APPAREIL EXCRETEUR - EXCRETION

HUBERT M., proctodeum (ultrastructure, élimination cyclique des sphérites mésentériques), dynamique des sels au niveau mésentérique

LÄFFERT, cytologie des glandes chloragogènes de Diplopoda (Scaphiostreptus)

ROSENBERG, rein maxillaire des Chilopoda

SEIFERT, ° néphrocytes et organes de Malpighi des Pauropodes

GLANDES - SECRETIONS

GOWRI, chimie des hormones de Myriapoda

LITTLEWOOD, glandes coxales et téloditales de Chilopoda (structure et fonction)

NGUYEN-DUY, ultrastructure des glandes filières au cours du développement post-embryonnaire de Callipus foetidissimus

ROSENBERG, glandes coxales des Chilopoda, glandes ventrales des Géophilomorphes

SCHLÜTER, morphologie et fonction des glandes exocrines de Diplopoda

SEIFERT, évolution de l'organe producteur d'ecdystéroïdes chez les Arthropodes

SNIDER (voir VARIATIONS)

NEUROSECRETION - ENDOCRINOLOGIE

DESCAMPS, chez Lithobius, activité électrique spontanée des cellules neurosécrétrices cérébrales; variations en fonction de divers facteurs; ° action de neurotransmetteurs sur la spermatogenèse

JOLY, ° corrélations endocriniennes; mise en évidence expérimentale (injection d'hormones exogènes, castrations) chez Lithobius

KR. NAIR, (voir REPRODUCTION ET DEVELOPPEMENT)

SAHLI, Diplopoda TRIPATHI, neurosécrétion des Diplopoda

SUNDARA RAJULU, endocrinologie et estivation des Diplopoda sud-indiens

APPAREIL GENITAL, voir REPRODUCTION ET DEVELOPPEMENT

ULTRASTRUCTURE

ERNST, FRANKLIN, KEIL (voir SENSILLES) - MARQUES (voir PARASITES)

SPIESS (voir YEUX) - NGUYEN-DUY (voir GLANDES) - RUHBERG (voir REVISIONS, etc...)

SCHÖNRÖCK (voir SENSILLES) - ZANGER (voir MORPHOLOGIE)

EXPERIMENTATION

DESCAMPS (voir GAMETOGENESE) - JOLY (voir NEUROSECRETION ENDOCRINOLOGIE)

REPRODUCTION ET DEVELOPPEMENT

GENER.:

Kubra BANO, Jonesipeltis splendidus

CRAWFORD, (voir ECOLOGIE)

Kr. NAIR, contrôle endocrine, mue et reproduction chez les Diplopoda

APPAREIL GENITAL et ANNEXES

SAITA, ultrastructure du spermatophore des Chilopoda

GAMETOGENESE

DESCAMPS, sur Lithobius, métabolisme des spermatocytes, influence des hormones; ° action des neurotransmetteurs sur la spermatogenèse

HERBAUT, effet de neurostimulations sur l'ovogenèse de Lithobius; ° étude comparative de l'ovogenèse chez divers chilopodes

DEVELOPPEMENT POST-EMBRYONNAIRE

ANDERSSON, Chilopoda

MINELLI, Géophilomorphes

NGUYEN-DUY (voir GLANDES)

SCHÖNRÖCK, développement juvénile (antenne notamment) chez Polydesmus coriaceus (voir aussi SENSILLES)

MUE

HAUPT (voir *SENSILLES*)

MARIAMMAL DEVARAJ, cycle de mue en relation avec le métabolisme de composants organiques et inorganiques (Diplopoda)

KR. NAIR, contrôle endocrine, mue et reproduction chez les Diplopedes

SEIFERT (voir *SECRETIONS*)

PERIODOMORPHOSE

SAHLI, périodomorphose et mues postimaginales

ETHOLOGIE ET ECOLOGIE

ETHOLOGIE

BELLAIRS, comportement d'un Diplopede de l'INde ; °Film sur le comportement de FRANKLIN, génération et contrôle de la locomotion des diplopedes ; diplopedes mouvements de balayage de l'antenne

ZHANG Chong-zhou, biologie des Scolopendra

PREDATEURS - DEFENSES - HOTES - PARASITES

BAKER, *Ommatoiulus moreleti* au Portugal (ennemis naturels)

MARQUES, Grégarines et Coccidies des Chilopodes (biologie, ultrastructure, etc...)

SNIDER, prédateurs des Diplopedes. CRAWFORD (voir *ECOLOGIE*)

ECOLOGIE

BAKER, *Ommatoiulus moreleti* au Portugal (régulation de populations)

Kubra BANO, *Jonespeltis splendidus* et l'enrichissement des sols ; ° dégradation de matières organiques par *J. splendidus* ; (voir aussi *ALIMENTATION*)

CRAWFORD, relation entre écosystèmes et microbiotes de l'intestin chez les Diplopedes désertiques ; °structure et fonction de l'écosystème intestinal chez les mêmes

DÜNGER, Diplopoda

ENGHOFF, habitats et ségrégation des espèces endémiques de *Cylindroiulus* de Madère

FAIRHURST, les Diplopedes des dunes sableuses

GEOFFROY, peuplements et populations (diplopoda et chilopoda) en forêt ; écologie comparée de 2 espèces dans un écosystème forestier ; diplopedes d'une savane

KIME, populations (diplopoda) des forêts belges ; écologie et distribution africaine des diplopoda d'Europe occidentale

MEYER, structure de population et cycle vital de Diplopoda d'une forêt de chênes

MIKHALJOVA, Diplopoda, taxonomie écologie

NEGREA, Chilopoda des forêts de Roumanie

PENTEADO, Diplopoda (voir *RESPIRATION METABOLISME*)

RUHBERG, Onychophora

SAHLI, Diplopoda

SHUKLA S.C., (voir *AGRONOMIE*)

SNIDER (voir *VARIATIONS*)

STEINMETZGER, écologie de populations de quelques espèces choisies de Diplopoda

STRIGANOVA, biologie de la nutrition des diplopedes des écosystèmes de prairies

SUNDARA RAJULU , (voir *ENDOCRINOLOGIE*)

PEITSALMI, Diplopoda

BIOSPEOLOGIE

NEGREA, Chilopoda de Roumanie et Cuba GEOFFROY , France (Diplopoda Chilopoda)

AGRONOMIE

SCHLÜTER, °effets de nouveaux insecticides sur les Diplopedes

SHUKLA S.C., ° carences économiques provoquées par les diplopedes et stratégies de contrôle

SYSTEMATIQUE ET FAUNISTIQUE

MONOGRAPHIES FAUNES CATALOGUES BIBLIOGRAPHIES CARTOGRAPHIES

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 JEEKEL, ° Nomenclator diplopodorum ; Diplopodorum catalogue
 KANE, Monographie des Psélaphognathes d'Amérique du Nord.
 KIME, ° cartographie des Myriapodes européens (European Invertebrate Survey)
 MINELLI, Faune d'Italie des Chilopodes ; ° catalogue et bibliographie des Chilopoda
 WURMLI, Monographie des Scutigéromorphes.
- REVISIONS TAXINOMIE SYSTEMATIQUE PHYLOGENIE
- CONDE, Penicillata
 DEMANGE, Harpagophoridae du Musée de Copenhague
 EASON, révision des espèces nord-ouest européennes de Lithobiomorpha (avec clé)
 ENGHOFF, phylogénie des Diplopoda (sous-ordres) et Iulida (familles)
 révision du g. Acipes ; ° révision des g. Paranopoiulus, Orinisobates, Dolicho-iulus,
 des Nemasomatidae et Zosteractidae ; ° Iulidae d'Iran et S.E. asiatique
 HASENHUETL, Pauropoda, Eurypauropodidae
 HOFFMAN, révision des Chelodesmidae, Gomphodesmidae ; ° Pachyboles asiatiques
 ° Platyrrhacidae indo-australiens
 JEEKEL, Systématique et zoogéographie des Paradoxosomatidae du monde entier
 KOCH, révision des Scolopendridae d'Australie
 LEWIS, Scolopendromorpha
 MATIC, Chilopoda des Balkans et d'Afrique
 MAURIES, Stemmiules d'Afrique et d'Amérique
 MEIDELL, phylogénie des Polydesmida
 PEREIRA, Geophilomorpha (Schenckylidae) néotropicaux
 RUHBERG, taxonomie, phylogénie et chorologie des Peripatopsidae et Peripatidae
 SERRA, révision de quelques espèces espagnoles cavernicoles et épigées (Lithobiom.)
 ° Scolopendromorpha de la péninsule ibérique
 SHELLEY, révision de g. de Xystodesmides (Sigmoria, Sigiria, Hubroria)
 ° rév. de g. de Xystodesmides (Dynoria, Dicellarius), de Platyrrhacides (Auturus)
 et fam. Eurymerodesmidae
 SHINOHARA, ° taxinomie des Lithobiomorphes
 WITHROW, révision du g. Pseudopolydesmus

DISTRIBUTION

ZONE PALEARCTIQUE

- Afghanistan*: EASON, petite collection de Lithobiidae
Autriche: KOREN, Chilopoda (Carinthie et Tyrol oriental); MEYER (voir *ECOLOGIE*)
Belgique: KIME (voir *ECOLOGIE*)
Bulgarie: BERON, Symphyla
Chine: JEDRYCZKOWSKI, Diplopoda ; ZANG Chong-zhou, Myriapoda
Corée: SHINOHARA, Chilopoda, Diplopoda
Espagne: DOMINGUEZ, Symphyla ; JORDANA BUTTICAZ, Chilopoda de Navarre;
 NEGREA, Chilopoda cavernicoles et endogés ; SERRA, ° Scolopendromorphes
France: GEOFFROY, Chilopoda, Diplopoda (Massif de l'Oisans, Berry, Causses)
 MAURIES, diplopoda, halophile et cavernicoles nouveaux du sud de la France
- Grande-Bretagne*: BARBER, Chilopoda ; BLOWER, Myriapoda (synopsis) ;
 FAIRHURST, British Myriapod survey ;
 KEAY, distribution et habitat des Chilopoda de l'île de Wight
 RUNDLE, "Tetrad mapping" (Chilopoda, Diplopoda) dans le Bedfordshire
- Iran*: ° ENGHOFF, Iulidae (Angleterre)
Israël: ° MATIC, Chilopoda
Italie: MATIC, Chilopoda ; MINELLI, Faune des Chilopodes
Italie (Sardaigne): de MIRANDA RESTIVO, Chilopoda (étude faunistique des monts
 "dei Sette Fratelli" et "S. Antonio".)

- Japon*: SHINOHARA, Chilopoda, Diplopoda
Liban: TABACARU, Diplopoda
Madère: BLOWER, Cylindroiulus endémiques; ENGHOFF, habitat des Cylindroiulus
Maroc: ZAPPAROLI, Chilopoda
Pologne: JEDRYCZKOWSKI, Diplopoda des Monts Swietokrzyskie
Portugal: BAKER, Diplopoda (Ommatoiulus moreleti); SERRA, ° Scolopendromorpha
Roumanie: CAPUȘE, Geophilomorpha; NEGREA, Chilopoda des grottes et forêts
 TABACARU, Diplopoda
Suède: ANDERSSON, Chilopoda ; ENGHOFF, Diplopoda de la région de Gothenburg
Suisse: PEDROLI, recensement des Diplopodes
Taiwan: SHINIHARA, Chilopoda, Diplopoda
Turquie: MATIC, Chilopoda ; TABACARU , Diplopoda
U.R.S.S.: GOLOVATCH, Diplopoda

ZONE ETHIOPIENNE

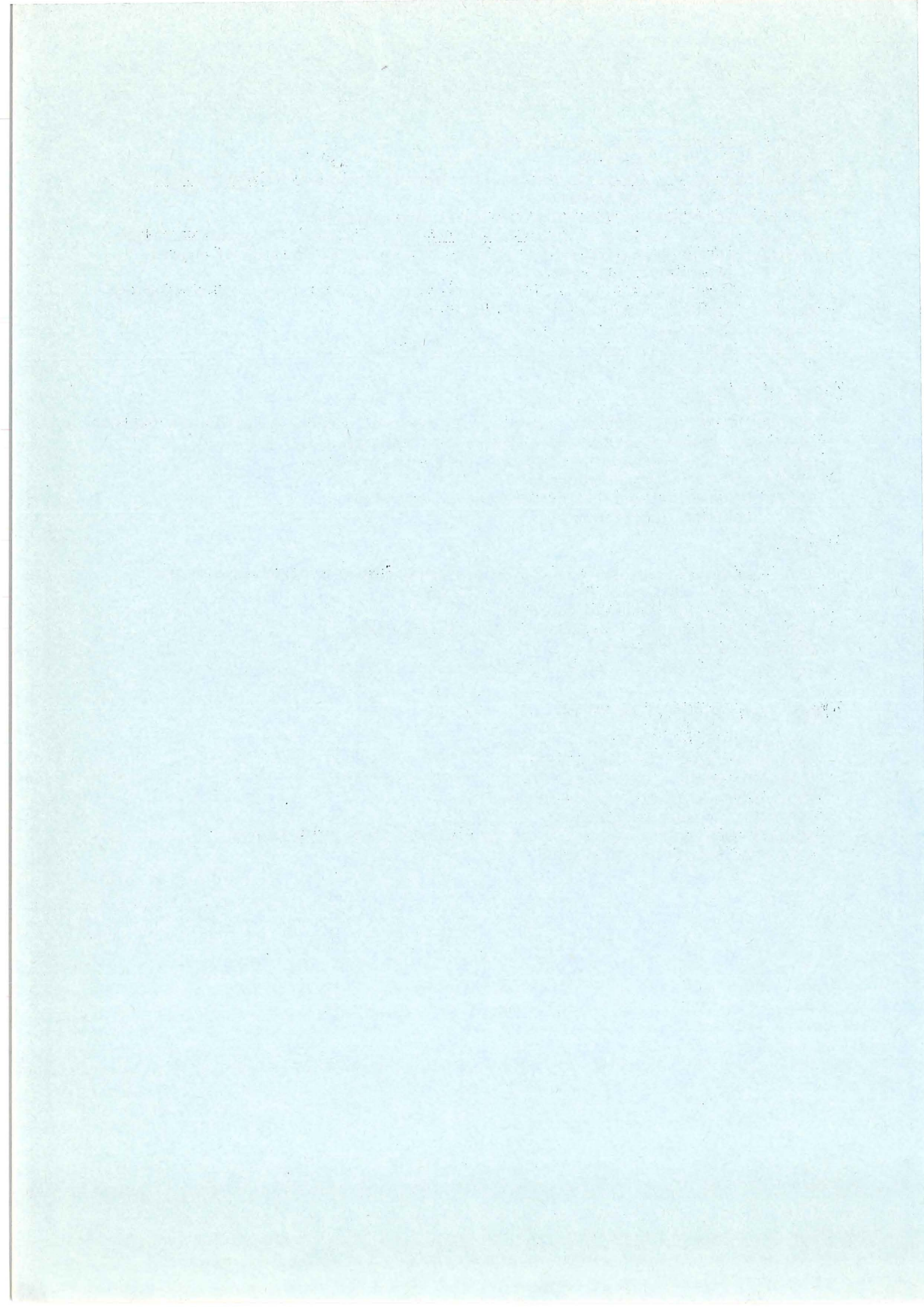
- AFRIQUE ORIENTALE*: HOFFMAN, taxonomie de diverses espèces de plusieurs familles
CAMEROUN: DEMANGE et MAURIES , matériel M. Lamotte
COTE D'IVOIRE: GEOFFROY et DEMANGE , Diplopoda (savane)
SIERRA LEONE: BLOWER, Diplopoda
ZAÏRE: MAURIES, Stemmiulides du Musée de Tervuren
 GOFFINET, Cryptopidae

AMERIQUE

- GEN.*: JEEKEL, faunistique des Diplopodes des Caraïbes et d'Amérique du sud
CUBA: NEGREA, Chilopoda cavernicoles et endogés
GUYANE FRANÇAISE: MAURIES, Diplopoda
MARTINIQUE: MAURIES, Diplopoda ; DEMANGE, Chilopoda
PANAMA: LORING, Symphyla
VENEZUELA: NEGREA, Chilopoda cavernicoles et endogés

ZONE INDO AUSTRALO PACIFIQUE

- Sud est ASIATIQUE*: ENGHOFF, Iulidae
AUSTRALIE: KOCH, Scolopendridae
HIMALAYA: WÜRMLI, Chilopoda
INDE: DASS et JANGI, Scolopendridae
INDONESIE: WÜRMLI , Chilopoda
OCEANIE: NGUYEN-DUY, Pénicillates de quelques îles du Pacifique
VIET-NAM: GOLOVATCH, Diplopoda



MYRIAPODA ET ONYCHOPHORA

LIST OF WORKS PUBLISHED OR IN PRESS IN 1980

Papers already with the printer in 1979 do not figure in the list if they are still in press in 1980

Since 1977, works in press will be only listed if accompanied by the name of the periodical and the approximative number of pages

LISTE DES TRAVAUX PARUS ET SOUS PRESSE EN 1980

Les notes déjà sous presse en 1979 et qui le sont encore en 1980 ne figurent pas dans la liste

Depuis 1977, les travaux sous-presse ne figurent dans la liste que si le nom du périodique et le nombre approximatif de pages sont indiqués.

LISTE DER ERSCHIENENEN -UND IM DRUCK- ARBEITEN DES
JAHRES 1980

Einige Arbeiten, die sich schon 1979 im Druck befanden, sind es noch 1980 ; demzufolge scheinen sie nicht in der Liste auf.

Seit 1977, werden die Arbeiten im Druck nur auf die Liste stehen, wenn der Name der Zeitschrift und die ungefähre Zahl der Seiten angegeben sind.

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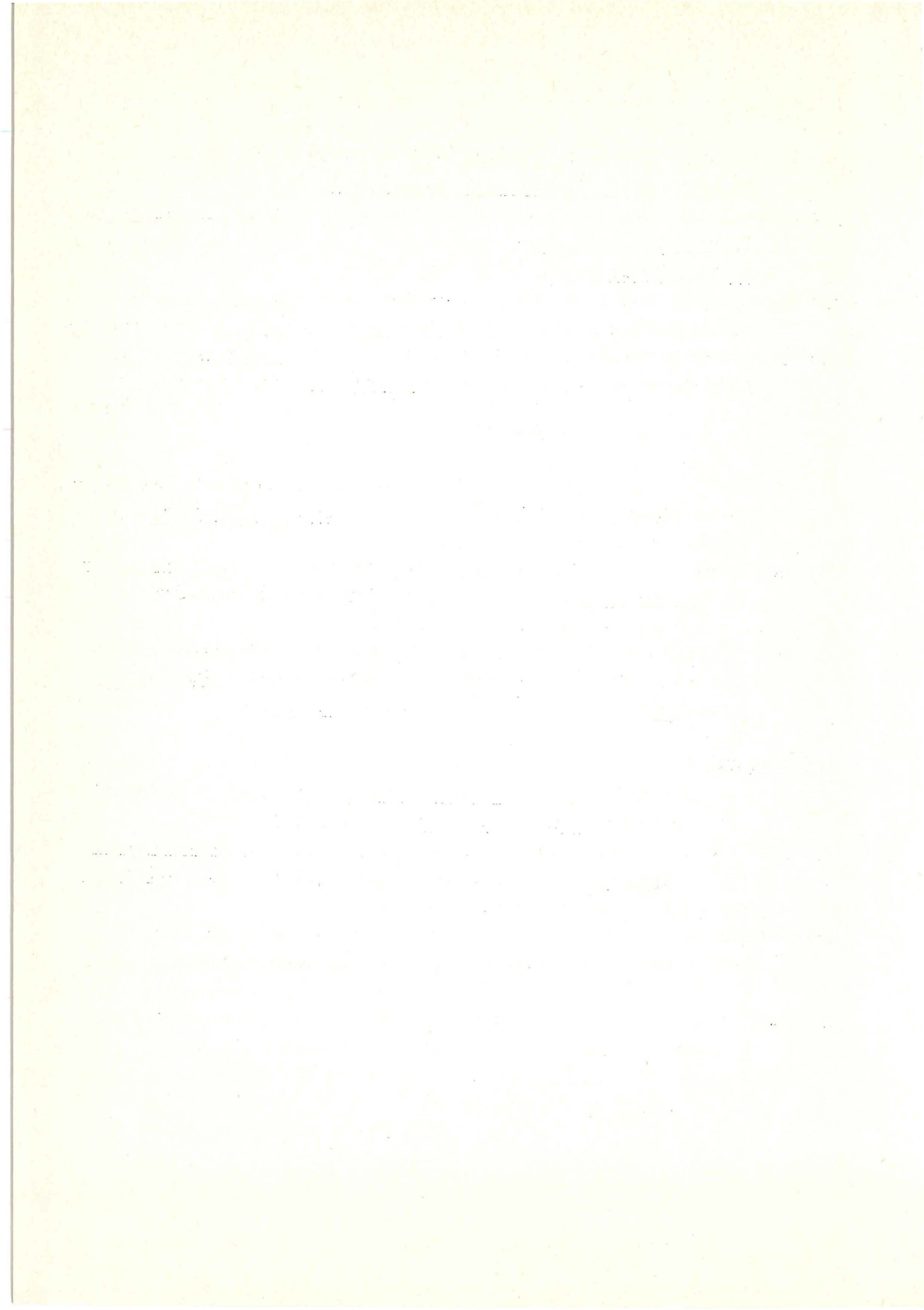
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