

PSAMMONALIA

Newsletter of the International Association of Meiobenthologists

Number 45

August 1979

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Composed and printed at DAFS Marine Laboratory, Aberdeen, Scotland

SECRET

Director of the Federal Bureau of Investigation

Washington, D.C.

February 19, 1954

Director, Federal Bureau of Investigation
Washington, D.C.
Department of Justice
Room 5633
Washington, D.C.

Very truly yours,
Special Agent in Charge
J. Edgar Hoover
Director, Federal Bureau of Investigation

Enclosed for you are two copies of a letterhead memorandum
dated and captioned as above. The original of this memorandum
is being furnished to the Department of Justice.
Very truly yours,
Special Agent in Charge

This document is not to be distributed outside the Bureau
of Investigation, Department of Justice.

Approved and forwarded: Special Agent in Charge, Federal Bureau of Investigation

INTERNATIONAL ASSOCIATION OF MEIOBENTHOLOGISTS

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EDITORIAL

Two matters require your attention and prompt response: please see pages 3 and 4. Replies received after November 15, 1979 cannot be included in PSAMMONALIA No. 46.

Please note the ballot for election of two members of the Executive Committee and for Chairman of the Association. Less than 10% of the membership voted in the last election: we should do better than that. The mails are slow, and it would be best to prepare and mail your ballot immediately. The Editor returns to Ohio in mid-August, and the Ohio address should be used.

Shortly after the previous issue of PSAMMONALIA was mailed, we were very sorry to hear from Carlo Heip that he would be unable to serve as Chairman of the Association and Editor of the newsletter. He had just received news that he was to be appointed as oceanographic expert from UNESCO for one year in Algiers, starting September 1, 1979, and thus could not accept the position for the coming two year term.

We have had the opportunity to consult directly with a number of members of the Association in the UK and in Europe and had correspondence with others. We have to conclude that there are many meiobenthologists who are very busy, and none of over a dozen in some ten countries felt able to accept nomination as Chairman/Editor for the next two years.

However, we are glad to report that Robert P. Higgins of the Smithsonian Institution, Washington, D.C., will undertake the position. Higgins was one of the founding members of the Association, has always contributed to its activities, but has not previously served as Chairman/Editor. Confirmation of his selection can be made on the ballot on page 3. As usual, the new Chairman/Editor will appoint the Treasurer for a concurrent term.

The final issue of PSAMMONALIA under the present Editor will be mailed from Ohio in early December, and will include the results of the present election. It will also include a current membership list. At about the same time, the computer-generated mailing labels will be updated. Hence, if you feel that your present mailing label is inadequate, this is an opportunity to make changes. A form is included indicating the number of lines and spaces that can be accommodated (see page 4). If your copies of the newsletter have been hand addressed, and especially if your address is long and complex, please fill out appropriate abbreviations on the form.

REMINDER ON CONFERENCE DATES

ICSEB-II (Second International Congress on Systematic and Evolutionary Biology), Vancouver, Canada, July 16-24, 1980. Information from: Dr. G.G.E. Scudder, Department of Zoology, University of British Columbia, 12075 Westbrook Mall, Vancouver, BC, V6T 1W5, Canada.

FIMCO (Fourth International Conference on Meiofauna), Columbia, S.C., USA, July 27-August 2, 1980. First announcement in PSAMMONALIA Nos. 43 and 44. Preliminary registration by September 15, 1979 to B.C. Coull, Baruch Institute, University of South Carolina, Columbia, SC 29208 USA.

International Tardigrade Symposium, East Tennessee State University, USA, August 4-7, 1980. Information from Dr. Diane Nelson, Box 2739, East Tennessee State University, Johnson City, TN 98195 USA.

Biology of the Turbellaria, Third International Symposium, 10-15 August 1980. See pages 6-8 for Second Notice.

NOTICE CONCERNING DUES, UPDATED MEMBERSHIP LIST AND MAILING LABELS

The next issue of PSAMMONALIA will include an updated membership list. All members with current status will be included. Those who have not paid dues since 1977, i.e. who are in arrears for 1978 and 1979, will be defined as non-current, and will be omitted from the list. This category presently includes 60 out of a total membership of 391. If you are in doubt about when you last paid dues, please check the list below, listed for 1977 in our records.

Aladro-Lubel	Hendrix	Moore, C.	Schilke
Bishop	Hessler	Morse, MP	Serban
Bodiou	Hope	Munson, D	Soyer
Bou	Jkonen	Nelson	Spero
Cook	Jones, TL	Nyholm	Sullivan
Cox	Kikuchi, T	Ott	Teuchert
Dow, DA	Knowlton	Paul	Titgen
Faupel	Kuhl	Pitelka	Tripp
Ferris, VR	Lasserre	Randall	Varmo
Fiaschi	Lemos de Castro	Redman	Volkman
Figueiredo-	Lunetta	Reise	Whybrew
Albuquerque	Mack-Fira	Riznyk	Yamanishi
Gnewuch	Marcotte	Ruddell	
Goodman	Martinez-Murillo	Sacks	
Gray	Mesick	Sasaki	
Haufler	Michel	Schiemer	
Heard			

Dues must be received by L.W. Pollock by November 15, 1979 for inclusion in list.

A computerized membership list used for printing mailing labels will also be updated in late fall or winter. The program allows four lines of print with a maximum of 30 letters, characters or spaces on each line. All capital letters, digits 0123456789, and a few symbols are permitted: -,.,().

If your copies of PSAMMONALIA are hand addressed, or if your current mailing label is unsatisfactory or incorrect, please complete the form below and send to the Editor.

 Guide for mailing label. Maximum 30 spaces, four lines.

Send to: Wm. D. Hummon
 Department of Zoology and Microbiology
 Ohio University
 Athens, OH 45701 USA

Please post in time to arrive by November 15, 1979.

On the basis of the information provided to the Conference, it is recommended that the Commission be authorized to continue its work for a period of one year, with the understanding that it will report to the Commission on the progress of its work at the end of that period.

Name	Address	City	State	Country
John Doe	123 Main St.	New York	NY	USA
Jane Smith	456 Elm St.	Los Angeles	CA	USA
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George Nickel	2323 Oak St.	San Diego	CA	USA
Cheryl Copper	2424 Pine St.	San Antonio	TX	USA
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Cheryl Copper	3030 Pine St.	San Antonio	TX	USA

The Commission is authorized to continue its work for a period of one year, with the understanding that it will report to the Commission on the progress of its work at the end of that period.

Approved by the Commission on the _____ day of _____ 1954.

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Member

Member

Member

Member

NEW MEMBERS

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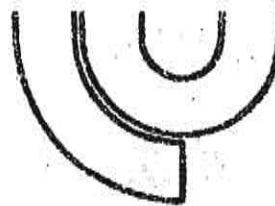
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Centre Universitaire de Luminy
13009 Marseille
France



Third International Symposium 1980

THE BIOLOGY OF THE TURBELLARIA

3610 Diepenbeek Belgium

(Second Notice)

Dear

This Third International Symposium on the Biology of Turbellaria will be dedicated to Prof. Dr. T. KARLING to honour his 70th anniversary and his 50 years of active research on Turbellaria. The organisers do hope that all participants are willing to express their appreciation for Tor KARLING as a person and as a scientist.

The symposium is meant as an open congress so that no fee will be charged, and contribution is not compulsory. Please pass the invitation and the information to anyone who might be interested.

Period : 10-15th August 1980.

Place : Limburgs Universitair Centrum, B-3610 Diepenbeek, Belgium.

Papers : Each presentation is allotted 20 min and 10 min for discussion. Review papers will be held the first day by J. HENDELBERG (Biography of T.G. KARLING and his contribution to taxonomy of Turbellaria), T. REYNOLDS (Ecology), V. GREMIGNI (Development ...), R. RIEGER (E.M.), J. JENNINGS (Physiology).

Poster session : May be organised if there is some interest expressed for it. The following procedure is proposed by the organising committee : poster-contributors can present their results (aims, conclusions, ...) orally during ± 10 min in plenary session, while the detailed data are exposed on the poster and will be discussed afterwards in the poster-room. This procedure might be useful (e.g. with papers on E.M. ...) since : 1. the auditory is well informed about the subject in advance; 2. more time is available to discuss the data (instead of on a volatile slide); 3. not all information has to be written down on the poster which makes preparing this less time-consuming).

Projection possibilities : 35 mm slides, 16 mm film (sound), overhead, videocassettes (U-matic, Betamax, VCR).

Publication : contributions will be published in a special issue of the Annales de la Société Royale Zoologique de Belgique - Koninklijke Vereniging voor Dierkunde van België.

LIMBURGS
UNIVERSITAIR
CENTRUM

1978-1979

THE BIOLOGY OF TURBELLARIA

Time schedule : June 1978 : second announcement.

December 1979 : deadline for final application : Please send application form.

February 1980 : circulation of tentative program and practical information ...

15 July 1980 : Deadline for sending in abstracts, final title, accommodation-reservation (if not done earlier).

The Third International Symposium on the Biology of Turbellaria will be held at the University of Limburg, Belgium, from June 15-19, 1980. The symposium is organized by the Department of Biology, University of Limburg, Belgium. The organizers are Ian R. Ball, Peter Schmidt, and Ernest R. Schockert.

Ian R. BALL, Amsterdam

Peter SCHMIDT, Aachen

Ernest R. SCHOCKERT, Diepenbeek

Symposium Biology of Turbellaria

Department SBM

LIMBURGS UNIVERSITAIR CENTRUM

Universitaire Campus

B-3610 Diepenbeek Belgium

Abstracts should be sent to the organizers by the following dates: 15 July 1980 for the final title and abstract, and 15 December 1979 for the final application form. The organizers are Ian R. Ball, Peter Schmidt, and Ernest R. Schockert. The symposium is organized by the Department of Biology, University of Limburg, Belgium. The organizers are Ian R. Ball, Peter Schmidt, and Ernest R. Schockert.

Abstracts should be sent to the organizers by the following dates: 15 July 1980 for the final title and abstract, and 15 December 1979 for the final application form. The organizers are Ian R. Ball, Peter Schmidt, and Ernest R. Schockert.

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Third International Symposium 1980
THE BIOLOGY OF THE TURBELLARIA
Limburgs Universitair Centrum
3610 Diepenbeek Belgium

* * * * *
APPLICATION FORM
* * * * *

- 1. Name :
Institution, Department :
.....
Function :
Address :
.....
(if not at home in February 1980 : temporary address) :
.....
.....

- 2. I am planning to attend the conference YES NO
I am contributing with a paper YES NO

- 3. Tentative title of the paper :
.....
.....
.....
Co-Author(s) :

- 4. I would like to present a poster YES NO

- 5. I intend to publish my contribution in the congress
proceedings : YES NO

- 6. I most probably come by AIR/TRAIN/CAR

- 7. I will be accompanied by persons (1)

- 8. Suggestions and ideas for the symposium :
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PLEASE RETURN BEFORE 1 JANUARY 1980 to Ernest SCHOCKAERT

(1) Only single-rooms are available; if otherwise wished, hotel-reservations can be made on your own expences. Rooms and food for family-members will be charged.

APPLICATION FORM

Name: _____
Address: _____
City: _____
Country: _____
Date of Birth: _____
Sex: _____
Marital Status: _____
Occupation: _____
Education: _____
References: _____

1. I am planning to attend the conference
I am enclosing with a paper

2. I have read the abstract of the paper
I am enclosing with a paper

3. I would like to present a paper
I am enclosing with a paper

4. I would like to attend the conference

5. I will be accompanied by _____

6. Suggestions and ideas for the symposium
I am enclosing with a paper

PLEASE RETURN BEFORE 1 JANUARY 1988 TO BRUCE SCHUBERT

It is only a preliminary one and subject to change. It is intended to be a
preliminary one and subject to change. It is intended to be a
preliminary one and subject to change. It is intended to be a

ADDITIONAL
 ABSTRACTS OF MEIOFAUNA PAPERS PRESENTED AT THE AMERICAN SOCIETY OF
 ZOOLOGISTS MEETING, RICHMOND, VIRGINIA, 27-30 DECEMBER 1978.

Antipa, G.A. 1979. Can ultrastructural data be used to ascertain the origin of the peritrich ciliates? *Trans. Amer. Micros. Soc.* 98:163.

Bennett, L.W. 1979. Distributional ecology of selected marine meiobenthic metazoa. *Trans. Amer. Micros. Soc.* 98:150.

Borrer, A.C. 1979. A useful concept for understanding relationships among the "Stichotrichines." *Trans. Amer. Micros. Soc.* 98:161.

Bovee, E.C. 1979. Some protozoa of bog mosses and forest mosses. *Trans. Micros. Soc.* 98:151.

Culberson, D.E. 1979. Analysis of a modified oxytrichid morphogenetic pattern. *Trans. Amer. Micros. Soc.* 98:160.

Griffin, J.L. and D.M. Spoon. 1979. SEM study of four species of the suctorian genus Heliophyra. *Trans. Amer. Micros. Soc.* 98:158.

Hill, B.F. 1979. Aspidisca costata Dujardin, 1841 (Ciliophora, Hypotrichida); Reconsideration of cortical morphogenesis; associated with cell division. *Trans. Amer. Micros. Soc.* 98: 159.

Lewis, E.J. and T.K. Sawyer. 1979. Identification of free-living amoebae (Protozoa: Acanthamoebidae) from fresh- to salt-water gradient in the St. Martin's River, Ocean City, Maryland. *Trans. Amer. Micros. Soc.* 98:152.

Loden, M.S. 1979. Variations in the life history patterns of Naididae (Oligochaeta). *Trans. Amer. Micros. Soc.* 98:148.

Sawyer, T.K., M. Light, B.A. Harke and E.J. Lewis. 1979. Marine amoebae (Protozoa:Sarcodina) as potential indicators of oiled bottom sediments in the Gulf of Mexico. *Trans. Amer. Micros. Soc.* 98:153.

Spoon, D.M. 1979. Physiological studies on stalkless suctoria. *Trans. Amer. Micros. Soc.* 98:160.

Spoon, D.M., R.S. Youn, G.P. Riordan and G.N. Chapman. 1979. A light microscopic and TEM study of four species of the suctorian genus Heliophyra. *Trans. Amer. Micros. Soc.* 99 98:162.

Wicklow, B.J. 1979. Ultrastructure and cortical morphogenesis of the marine hypotrich ciliate Certesias quadrinucleata: relationships with Discocephalus and Euplotes. *Trans. Amer. Micros. Soc.* 98:159.

Williams, J.L. 1979. Adaptive features of two burrowing members of the genus Ilyocryptus. *Trans. Amer. Micros. Soc.* 98:149.

Yongue, W.H., Jr. 1979. The microbiota associated with standing water of a swamp. *Trans. Amer. Micros. Soc.* 98:150.

The following information is taken from the report of the

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RECENT LITERATURE

- Abdailahi and D.B. Nedwell. 1979. Temperature as a factor influencing bacterial sulfate reduction in a saltmarsh sediment. *Microbial Ecol.* 5:73-80.
- Abrams, B.J. and M.J. Mitchell. 1978. Role of oxygen in affecting survival and activity of Pelodera punctata (Rhabditidae) from sewage sludge. *Nematologica* 24:456-462.
- Agamaliyev, F.G. 1978. Morphology of some free-living ciliates of the Caspian Sea. *Acta Protozool* 17:419-444.
- Alekseyev, V.M., A.D. Naumova and E.V. Dymina. 1979. Two new species of nematodes of the genus Ethmolaimus (Nematoda, Chromadoridae). *Zool. Zh.* 58:598-602. (In Russ. with Eng. sum.)
- Anderson, R.B., W.D. Gould, R.E. Ingham, D.C. Coleman. 1979. A staining method for nematodes: Determination of nematode resistant stages and direct counts from soil. *Trans. Amer. Microsc. Soc.* 98: 213-218.
- Athersuch, J. 1979. The ecology and distribution of the littoral ostracods of Cyprus. *J. Nat. Hist.* 13:135-160.
- Ansari, Z.A. 1978. Meiobenthos from the Karwar Region (central west coast of India). *Mahasagar (Bull. Nat. Inst. Oceanogr., India)* 11: 163-168.
- Arntz, W.E. 1978. The "upper part" of the benthic food web: the role of macrobenthos in the western Baltic. *Rapp. Proc.-verb. Reun. Cons. Int. Expl. Mer.* 173:85-100
- Austin, W.C. 1978. Marine biota of the NE Pacific: a bibliography emphasizing systematics and distribution. *Khoyatan Marine Laboratory, British Columbia, Canada.* (Available for \$16.00 prepaid, from Khayatan Mar. Lab., 4635 Alder Glen Rd., Cowichan Station, B.C., Canada)
- Ax, P. and B. Sopott-Ehlers. 1979. Turbellaria Proseriata von der Pazifikkuste der USA (Washington). II. Coelogynoporidae. *Zool. Scripta* 8:25-36.
- Bartsch, I. 1979. Further studies on the Copidognathus fauna from the coast of Brittany. *Acarologia* 20:217-234.
- Belogurov, O.I. and L.S. Belogurova. 1978. Systematics and the evolution of the Oncholaiminae (Nematoda). III. System of Oncholaiminae. *Soviet J. Mar. Biol.* 4:577-584. (Engl. trans.)
- Bennett, L.W. 1979. Experimental analysis of the trophic ecology of Lepidodermella squamata (Gastrotricha; Chaetonotida) in mixed culture. *Trans. Amer. Microsc. Soc.* 98:254-261.
- Bodin, Ph. 1979. Catalogue des nouveaux copepodes harpacticoides marins. Nouvelle edition. 228 pp. Univ. Bretagne Occidentale. Brest.
- Bollerup, G. and A.H. Burr. 1979. Eyespot and other pigments in nematode esophageal muscle cells. *Can. J. Zool* 57:1057-1069.
- Borrer, A.C. and F.R. Evans. 1979. Cladotricha and phylogeny in the suborder Stichotrichina (Ciliophora, Hypotrichida). *Jour. Protozool.* 26:51-55.
- Brodniewicz, I. 1967. Foraminifera of the Southern Baltic Sea. ICES Shellfish Benthos Committee, C.M. 1967/K:6.
- Burkovsky, I.V. 1979. Seasonal and primary successions in marine psammophilous ciliates. *Zool. Zh.* 58:469-476. (Russ. with Engl. sum)
- Burnett, B.R. 1979. Quantitative sampling of microbiota of the deep-sea benthos. II. Evaluation of technique and introduction to the biota of the San Diego Trough. *Trans. Amer. Microsc. Soc.* 98:233-242.
- Chatarpaul, L., J.B. Robinson and H.K. Kaushik. 1979. Role of tubificid worms on nitrogen transformation in stream sediment. *J. Fish. Res. Bd. Canada* 36:673-678.
- Colneau, Y., J. Haupt and C.D. Debutteville, and P. Theron. 1978. Un remarquable exemple de convergence ecologique: l'adaptation de Gordialycus tuzetae (Nematolycidae, Acariens) a la vie dans l'interstices des sables fins. *C.r.Acad. Sci.*, D287:883-896.

- Corliss, B.Y. 1979. Recent deep-sea benthonic foraminiferal distributions in the southeast Indian Ocean: inferred bottom-water routes and ecological implications. *Marine Geol.* 31:115-138.
- Costa, R., R.M. Bisol, V. Varotto and B. Battaglia. 1977. Genetic variability in marine animals. *Boll. Zool.* 44:135-138. (In Ital. with Engl. sum.)
- Coull, B.C. and S.S. Bell. 1979. Nitrocella aestuarina n. sp. and the male of Mesochra mexicana (Copepoda:Harpacticoida) from South Carolina salt marshes. *Trans. Amer. Micros. Soc.* 98:219-224.
- Crowe, J.H., S.J. O'Dell and D.A. Armstrong. 1979. Anhydrobiosis in nematodes: Permeability during rehydration. *Jour. Exp. Zool.* 207:431-438.
- Dinet, A. and M.H. Vivier. 1979. Meiobenthic nematode fauna of the Deep Bay of Biscay. 2. Population component and their diversity. *Cah. Biol. Mar.* 20:109-124.
- Ehlers, U. 1979. Drepanilla limnophila gen. n., sp. n. (Turbellaria, Dalyellioidea) aus dem H₂S-Horizon des marinen Sandlückensystems. *Zool. Scripta* 8:19-24.
- Faubel, A. and J. Kolasa. 1978. On the anatomy and morphology of a freshwater species of Acoela (Turbellaria): Limnopoethia polonica (Kolasa et Faubel, 1974). *Bull. Acad. Pol. Sci., Ser. Sci. Biol.* 26:393-397.
- Finney, C.M. 1979. Salinity^{stress} in harpacticoid copepods. *Estuaries* 2:132-134.
- Fleeger, J.W. 1979. Population dynamics of three estuarine meiobenthic harpacticoids (Copepoda) in South Carolina. *Mar. Biol.* 52:147-156.
- Gamo, S. 1977. Procampylaspis unocornis sp. nov., a new cumacean Crustacea from the East China Sea. *Publ. Seto Mar. Biol. Lab.* 24:133-139.
- Gamo, S. 1977. A new gammaridean Amphipoda, Melita sextastachya sp. nov. from Sagami Bay. *Proc. Japanese Soc. Syst. Zool.* 13:65-71.
- Gardner, W.S. and R.B. Hanson. 1979. Dissolved free amino acids in interstitial waters of Georgia salt marsh soils. *Estuaries* 2:113-118.
- George, J. 1979. Redescription of Archiconchoecia striata Muller (Ostracoda, Halocyprididae) and its distribution in the northern Indian Ocean. *Crustaceana* 36:123-128.
- Geraert, E. 1979. Growth and form in nematodes: III. Comparison of oesophagus and body shape. *Nematologica* 25: 1-21.
- Giere, O. 1979. The impact of oil pollution on intertidal meiofauna. Field studies after the La Coruna-spill, May 1976. *Cah. Biol. Mar.* 20:231-252.
- Goldstein, P. and A.C. Triantaphyllois. 1978. Occurrence of synaptonemal complexes and recombination nodules in a meiotic rate of Meloidogyne hapla and their absence in a mitotic race. *Chromosoma (Berl.)* 68:91-100.
- Hendelberg, J. 1977. Comparative morphology of turbellarian spermatozoa studied by electron microscopy. *Acta Zool. Fenn.* 154:149-162.
- Hendricks, S.M. and J.W. Farrington. 1979. Amino acids in interstitial waters of marine sediment. *Nature* 279: 319-322.
- Hicks, G.R.F. and J. Grahme. 1979. Mucus production and its role in the feeding behavior of Diarthrodes nobilis (Copepoda:Harpacticoida). *J. Mar. Biol. Assoc. UK* 59:321-330.
- Hirayama, A. 1978. A new gammaridean Amphipoda, Cottesloe cycloactyla sp. nov., from Amakusa, South Japan. *Publ. Amakusa Mar. Biol. Lab.* 4:235-243.
- Hirayama, A. 1978. A new species of the amphipod genus Cyproides from Amakusa, Kyushu. *Publ. Amakusa Mar. Biol. Lab.* 4:245-251.
- Holmquist, C. 1979. Revision of the genus Peloscolex (Oligochaeta, Tubificidae). 2. Scrutiny of the species. *Zool. Scripta* 8:37-60.

Gardner, W.S. and R. Hanson 1975
Classified from nine white to black
and waters of Georgia and North Carolina
Distributed 5:17-18

George, G. 1977. Description of *Trichia*
concolor sp. nov. (Ascomycota,
Ascomycetes) and its distribution
in the eastern United States
Distributed 5:17-18

Gilbert, E. 1977. Growth and form in
mammals. III. Comparison of cranial
and body shape. *Evolution* 31:
1-11

Gilbert, O. 1977. The impact of oil palm
fruits on intertidal molluscs. Field
studies after the 1976-77
1976. *Can. J. Zool.* 54:257-262

Gilchrist, A. and A.G. Traversari
1977. Comparison of *Trichia* sp.
from an ascomycetous culture to a
related race of *Trichia* sp. and
their growth in a nutrient medium. *Can. J. Zool.* 55:1000-1002

Gilchrist, A. 1977. Comparative morpho-
logy of *Trichia* sp. and
related by electron microscopy with
other fungi. *Can. J. Zool.* 55:1003-1004

Gilchrist, A. and A.G. Traversari
1977. A new species of *Trichia* sp.
from an ascomycetous culture. *Can. J. Zool.* 55:1005-1006

Gilchrist, A. and A.G. Traversari
1977. A new species of *Trichia* sp.
from an ascomycetous culture. *Can. J. Zool.* 55:1007-1008

Gilchrist, A. 1977. A new species of
Trichia sp. from an ascomycetous
culture. *Can. J. Zool.* 55:1009-1010

Gilchrist, A. 1977. A new species of
Trichia sp. from an ascomycetous
culture. *Can. J. Zool.* 55:1011-1012

Gilchrist, A. 1977. A new species of
Trichia sp. from an ascomycetous
culture. *Can. J. Zool.* 55:1013-1014

Gilchrist, A. 1977. A new species of
Trichia sp. from an ascomycetous
culture. *Can. J. Zool.* 55:1015-1016

Gilchrist, A. 1977. A new species of
Trichia sp. from an ascomycetous
culture. *Can. J. Zool.* 55:1017-1018

Gilchrist, A. 1977. A new species of
Trichia sp. from an ascomycetous
culture. *Can. J. Zool.* 55:1019-1020

Gilchrist, A. 1977. A new species of
Trichia sp. from an ascomycetous
culture. *Can. J. Zool.* 55:1021-1022

Gilchrist, A. 1977. A new species of
Trichia sp. from an ascomycetous
culture. *Can. J. Zool.* 55:1023-1024

Gilchrist, A. 1977. A new species of
Trichia sp. from an ascomycetous
culture. *Can. J. Zool.* 55:1025-1026

Gilchrist, A. 1977. A new species of
Trichia sp. from an ascomycetous
culture. *Can. J. Zool.* 55:1027-1028

Gilchrist, A. 1977. A new species of
Trichia sp. from an ascomycetous
culture. *Can. J. Zool.* 55:1029-1030

Gilchrist, A. 1977. A new species of
Trichia sp. from an ascomycetous
culture. *Can. J. Zool.* 55:1031-1032

Gilchrist, A. 1977. A new species of
Trichia sp. from an ascomycetous
culture. *Can. J. Zool.* 55:1033-1034

Gilchrist, A. 1977. A new species of
Trichia sp. from an ascomycetous
culture. *Can. J. Zool.* 55:1035-1036

- Hummon, W.D., W.A. Evans, M.R. Hummon, F. G. Doherty, R.H. Wainberg and W.D. Stanley. 1978. Meiofaunal abundance in sandbars of acid mine polluted, reclaimed and unpolluted streams in southerastern Ohio. In: J.H. Thorp and J.W. Gibbons, (eds.), Energy and Environmental Stressin Aquatic Systems, pp. 188-203. DOE Symposium Series. (CONF-771114). National Technical Information Service, Springfield, Va.
- Hunt, G.W. 1979. Description of Elaphoidella wilsonae n. sp. (Canthocamptidae: Copepoda) from Colorado. Trans. Amer. Micros. Soc. 98:248-253.
- Imamura, T. 1977. A new subgenus and species of Bharatalbia (Hydrachnelae, Ac Acari) from Japan. Proc. Jap. Soc. Syst. Zool. 13:46-49.
- Ito, T. 1978. Meiobenthos of a shallow-water sandy bottom in Ishikari Bay, Hokkaido: a general account. J. Fac. Sci., Hokkaido Univ., Ser. VI, Zool. 21:287-294.
- Jankovic, J.J. 1979. Communities of chironomid larvae in the Velika Morava River. Hydrobiologia 64:167-173.
- Jensen, P. 1979. Description of the aquatic nematode Adorus astridea sp. n. lwith notes on the systematic position and geographical distribution of Adorus species. Ann. Zool. Fennici 16:84- .
- Kahan, D. 1979. Vegetables as food for marine harpacticoid copepods. Aquaculture 16:345-350.
- Kepkay, P.E., R.C. Cooke and J.A. Novitsky. 1979. Microbial autotrophy. A primary source of organic carbon in marine sediments. Science 204:68-69.
- Khalil, L.R. 1978. What are the functions of spicules of nematodes? Unusual sexual behavior of some nematodes. Parasitology 77 (3): xlv (abstract).
- Khan, H.A. 1977. Timminema pakistanicum new genus and new species (Nematoda: Dorylaimidae) from Sind, Pakistan. Pak. Jour. Zool. 9:157-159.
- Kikuchi, T. and M. Tanaka. 1978. Ecological studies on benthic macrofauna in Tomoe Cove, Amakusa. I Community structure and seasonal change of biomass. Publ. Amakusa Mar. Biol. Lab. 4:189- 213.
- Kjörboe, T. 1979. The distribution of benthic invertebrates in Holbaeck Fjord (Denmark) in relation to environmental factors. Ophelia 18:61-82.
- Korganova, G.A. and A.S. Jakovlev. 1979. Scanning electron microscopy for studying Protozoa (Preparatory technique). Zool. Zhur. 58:428-433. (Rus., Engl.sum.)
- Kulinitch, L.J. 1979. About two turbellarians (Prolecithophora, Plagiostomidae) from the Sea of Japan. Zool Zhur. 58:912-918. (Russ. with Engl. sum.)
- Kuz'min, L.L. 1979. Descriptions of a male and a new subspecies of Plectus acuminatus Bastian, 1865 (Nematoda, Plectidae). Zool. Zhur. 58:433-435 (Russ. with Engl. sum.)
- Lewin, J. J.E. Eckman and G.N. Ware 1979. Blooms of surf-zone diatoms along the coast of the Olympic peninsula, Washington. XI. Regeneration of ammonium in the surf environment by the Pacific razor clam Siliqua patula. Mar. Biol. 52:1-10.
- Lorenzen, S. 1978. Postembryonic development of species of Steineria and Sphaerolaimidae (Nematoda) and its systematic implications. Zool. Anz. 200:53-78. (Ger. with Engl. summ.); (Corrected citation).
- McArdle, E.W. 1978. Cytological staining of ciliate Protozoa cultured on membrane filters. Trans. Amer. Micros. Soc. 97:582-586.
- McElhone, M.J. 1979. A comparison of gut contents of two co-existing lake-dwelling Naididae (Oligochaeta), Nais pseudobtusa and Chaetogaster diastrophus. Freshwater Biol. 9:199-204.
- Maitland, P.S. 1979. The distribution of zoobenthos and sediments in Loch Leven, Scotland. Arch. Hydrobiol. 85:98-125.
- Malakhov, V.V. 1978. Morphology of the cephalic end of free-living marine nematodes by scanning electron microscopy. Sov. Jour. Mar. Biol. 4:784-786.
- Martin, G.G. 1978. A new function o rhabdites: mucus production for ciliary gliding. Zoomorphologie 91:235-248.

W.A. Brown, M.R. Brown, V. G. Lohrey, A.H. Leiberg and W.L. Stodley
1976. Molecular evolution in bacteria
of wild mice. Journal of Molecular Evolution, vol. 3, pp. 1-15.

for all three and 3.W. Gibbons (ed.),
Energy and Environmental Stress in Aquatic
Systems, pp. 103-105. World Scientific
Books (1987-1991), Boston, MA.

Book of the Year, Association of Biologists
1976. Energy and Environmental Stress in Aquatic
Systems (ed. by W.L. Gibbons). World Scientific
Books, Boston, MA. 1987-1991.

1976. Energy and Environmental Stress in Aquatic
Systems (ed. by W.L. Gibbons). World Scientific
Books, Boston, MA. 1987-1991.

1976. Energy and Environmental Stress in Aquatic
Systems (ed. by W.L. Gibbons). World Scientific
Books, Boston, MA. 1987-1991.

1976. Energy and Environmental Stress in Aquatic
Systems (ed. by W.L. Gibbons). World Scientific
Books, Boston, MA. 1987-1991.

1976. Energy and Environmental Stress in Aquatic
Systems (ed. by W.L. Gibbons). World Scientific
Books, Boston, MA. 1987-1991.

1976. Energy and Environmental Stress in Aquatic
Systems (ed. by W.L. Gibbons). World Scientific
Books, Boston, MA. 1987-1991.

1976. Energy and Environmental Stress in Aquatic
Systems (ed. by W.L. Gibbons). World Scientific
Books, Boston, MA. 1987-1991.

1976. Energy and Environmental Stress in Aquatic
Systems (ed. by W.L. Gibbons). World Scientific
Books, Boston, MA. 1987-1991.

1976. Energy and Environmental Stress in Aquatic
Systems (ed. by W.L. Gibbons). World Scientific
Books, Boston, MA. 1987-1991.

1976. Energy and Environmental Stress in Aquatic
Systems (ed. by W.L. Gibbons). World Scientific
Books, Boston, MA. 1987-1991.

1976. Energy and Environmental Stress in Aquatic
Systems (ed. by W.L. Gibbons). World Scientific
Books, Boston, MA. 1987-1991.

1976. Energy and Environmental Stress in Aquatic
Systems (ed. by W.L. Gibbons). World Scientific
Books, Boston, MA. 1987-1991.

1976. Energy and Environmental Stress in Aquatic
Systems (ed. by W.L. Gibbons). World Scientific
Books, Boston, MA. 1987-1991.

1976. Energy and Environmental Stress in Aquatic
Systems (ed. by W.L. Gibbons). World Scientific
Books, Boston, MA. 1987-1991.

1976. Energy and Environmental Stress in Aquatic
Systems (ed. by W.L. Gibbons). World Scientific
Books, Boston, MA. 1987-1991.

1976. Energy and Environmental Stress in Aquatic
Systems (ed. by W.L. Gibbons). World Scientific
Books, Boston, MA. 1987-1991.

1976. Energy and Environmental Stress in Aquatic
Systems (ed. by W.L. Gibbons). World Scientific
Books, Boston, MA. 1987-1991.

1976. Energy and Environmental Stress in Aquatic
Systems (ed. by W.L. Gibbons). World Scientific
Books, Boston, MA. 1987-1991.

1976. Energy and Environmental Stress in Aquatic
Systems (ed. by W.L. Gibbons). World Scientific
Books, Boston, MA. 1987-1991.

1976. Energy and Environmental Stress in Aquatic
Systems (ed. by W.L. Gibbons). World Scientific
Books, Boston, MA. 1987-1991.

1976. Energy and Environmental Stress in Aquatic
Systems (ed. by W.L. Gibbons). World Scientific
Books, Boston, MA. 1987-1991.

1976. Energy and Environmental Stress in Aquatic
Systems (ed. by W.L. Gibbons). World Scientific
Books, Boston, MA. 1987-1991.

- Martin, G.G. 1978. Ciliary gliding in lower invertebrates. *Zoomorphologie* 91:249-261.
- Monchenko, V.I. 1979. The new species of copepod, Halicyclops scryptus, from the interstitial habitat of the Sea of Azov. *Biologiya Morya* 1979:17-24. (In Russ.)
- Montagna, P.A. and A.G. Carey, Jr. 1978. Distributional notes on Harpacticoida (Crustacea: Copepoda) collected from the Beaufort Sea (Arctic Ocean). *Astarte* 11, 117-122.
- Morev, A.P. 1979. A new species of the genus Peloscolex (Oligochaeta, Tubificidae) from water bodies of the Anadyr River basin. *Zool Zh.* 58:755-757. (Russ:Engl. sum.)
- Morino, H. 1978. Studies on the Talitridae (Amphipoda, Crustacea) in Japan. III. Life history and breeding activity of Crchestia platensis Krøyer. *Publ. Seto Mar. Biol. Lab.* 24:245-267.
- Mulvey, R.H. and R.V. Anderson. 1979. Benthic species of Dorylaimus Bujardin 1845 (Nematoda:Dorylaimidae) and Arctidorylaimus n. gen. (Arctidorylaimidae n. fam.) from the MacKenzie and Procupine river systems, Northwest Territories, Canada. *Can. J. Zool.* 57:743-755.
- Nedwell, D.B. and J.W. Abram. 1979. Relative influence of temperature and electron donor and electron acceptor concentrations on bacterial sulfate reduction in saltmarsh sediment. *Microbial Ecol.* 5:67-72.
- Nichols, J.A. 1979. The occurrence of the subfamily Xyalinae (Nematoda, Monohysteridae) in the Georgia Bight with a description of two new species. *Cah. Biol. Mar.* 20:151-160.
- Obubo, I. 1977. A new species of Sclerochilus (Ostracoda) from the Inland Sea of Japan. *Proc. Jap. Soc. Syst. Zool.* 13:59-64.
- Okubo, I. 1977. Fourteen species of the genus Paradoxostoma Fischer, 1855 in the Inland Sea of Japan (Ostracoda). *Publ. Seto Mar. Biol. Lab.* 24:99-131.
- Okubo, I. 1978. Four species of Paradoxostoma (Ostracoda) from the Inland Sea of Japan. *Proc. Jap. Soc. Syst. Zool.* 14:10-18.
- Otvos, E.G. 1978. Calcareous benthic foraminiferal fauna in a very low salinity setting, Lake Ponchartrain, Louisiana. *Jour. Foraminiferal Res.* 8:262-269.
- Paffenhöfer, G.-A. and S.C. Knowles. 1979. Ecological implications of fecal pellet size, production and consumption by copepods. *Jour. Mar. Res.* 37:35-49.
- Pallares, R.E. 1979. Copepodos harpacticoides marinos de Tierra del Fuego (Argentina) Isla de los Estados III. *Contr. Centr. Invest. Biol. Marina (Buenos Aires)* 142:1-28.
- Platnova, T.A., O.I. Belogurov and P.S. Sheenko. 1979. Nematoda Anticoma puskini sp. n. and A. columba Wieser 1953 from coastal waters of the Kerguelen Islands. *Biologiya Morya* 2:34-40. (In Russian)
- Pochon-Masson, J., I.D. Gharagozlou-Van Ginneken. 1978. Contribution to the study of cell coat from the spermatozoa of Arthropoda: Tisbe holothuriae (Crustacea, Copepoda). *Ann. Sci. Natur. Zool. Biol. Anim.* 20:389-400.
- Popov, A.M. 1978. Methods of investigating the skeletal structure of marine shell-bearing invertebrates and calcareous algae. *Sov. Jour. Mar. Biol.* 4:793-796.
- Porter, K.G., M.L. Pace, J.F. Battey. 1979. Ciliate protozoans as links in freshwater planktonic food chains. *Nature* 277:563-565.
- Ranta, E. 1979. Population biology of Darwinula stevensoni (Crustacea, Ostracoda) in an oligotrophic lake. *Ann. Zool. Fennici* 16:28-35.
- Ranta, E. and J. Sarvala. 1978. Spatial patterns of littoral meiofauna in an oligotrophic lake. *Verh. Internat. Verein. Limnol.* 20:886-890.
- Reisinger, E. 1978. Strukturanalyse der Bewegungsformen bei Gastrotrichen. *Zool. Jarb. Anat.* 99:23-24.
- Robinson, W.E. and M.P. Morse. 1979. Histochemical investigation of the pedal glandular cells of Unela nahantensis Doe, 1974 (Opisthobranchia: Acochlidiacea). *Trans. Amer. Micros. Soc.* 98:195-203.

Oliver, E. L. 1978. *Galaxiids of the genus Galaxias*. *Journal of Zoology* 103: 1-15.

Richardson, J. A. and G. O. Rowley. 1979. *Biological relationships of the genus Galaxias*. *Journal of Zoology* 104: 1-15.

Richardson, J. A. 1979. *Geographical relationships of the genus Galaxias*. *Journal of Zoology* 104: 1-15.

Richardson, J. A. 1979. *Evolutionary relationships of the genus Galaxias*. *Journal of Zoology* 104: 1-15.

Richardson, J. A. 1979. *Phylogenetic relationships of the genus Galaxias*. *Journal of Zoology* 104: 1-15.

Richardson, J. A. 1979. *Systematics of the genus Galaxias*. *Journal of Zoology* 104: 1-15.

Richardson, J. A. 1979. *Ecology of the genus Galaxias*. *Journal of Zoology* 104: 1-15.

Richardson, J. A. 1979. *Reproduction of the genus Galaxias*. *Journal of Zoology* 104: 1-15.

Richardson, J. A. 1979. *Conservation of the genus Galaxias*. *Journal of Zoology* 104: 1-15.

Richardson, J. A. 1979. *Future of the genus Galaxias*. *Journal of Zoology* 104: 1-15.

Richardson, J. A. 1979. *Summary of the genus Galaxias*. *Journal of Zoology* 104: 1-15.

Martin, G. B. 1978. *Clitellary glands in lower invertebrates*. *Comparative Biochemistry and Physiology* 79: 1-15.

Richardson, J. A. 1979. *The new species of Galaxias*. *Journal of Zoology* 104: 1-15.

Richardson, J. A. and G. O. Rowley. 1979. *Geographical relationships of the genus Galaxias*. *Journal of Zoology* 104: 1-15.

Richardson, J. A. 1979. *Evolutionary relationships of the genus Galaxias*. *Journal of Zoology* 104: 1-15.

Richardson, J. A. 1979. *Phylogenetic relationships of the genus Galaxias*. *Journal of Zoology* 104: 1-15.

Richardson, J. A. and G. O. Rowley. 1979. *Biological relationships of the genus Galaxias*. *Journal of Zoology* 104: 1-15.

Richardson, J. A. 1979. *Systematics of the genus Galaxias*. *Journal of Zoology* 104: 1-15.

Richardson, J. A. 1979. *Ecology of the genus Galaxias*. *Journal of Zoology* 104: 1-15.

Richardson, J. A. 1979. *Reproduction of the genus Galaxias*. *Journal of Zoology* 104: 1-15.

Richardson, J. A. 1979. *Conservation of the genus Galaxias*. *Journal of Zoology* 104: 1-15.

Richardson, J. A. 1979. *Future of the genus Galaxias*. *Journal of Zoology* 104: 1-15.

Richardson, J. A. 1979. *Summary of the genus Galaxias*. *Journal of Zoology* 104: 1-15.

- Roggen, D.R. 1979. Functional morphology of the nematode pharynx. II. Spherical bulbs. *Nematologica* 25:128-135.
- Rothstein, M. and H.K. Sharma. 1978. Altered enzymes in the free-living nematode Turbatrix acetii, aged in the absence of fluorodeoxyuridine. *Mech. Ageing Dev.* 8:175-180.
- Rouch, T. and L. Bonnet. 1977. The Baget karstic system. VII. The harpacticoid community: Structure of the hypogeous population during spates. *Ann. Limnol.* 13:251-260. (In Fr. with Engl. summ.)
- Rouch, R. and L. Bonnet. 1977. The Baget karstic system VI. The harpacticoid community: Significance of samples collected at the time of spates from two out-flows of the system. *Ann. Limnol.* 13:227-250. (In Fr. with Engl. summ.)
- Salemaa, H. 1979. Ecology of Idotea spp. (Isopoda) in the northern Baltic. *Ophelia* 18:133-
- Salonen, K. and J. Sarvala. 1978. Estimation of the inorganic fraction of total carbon in aquatic invertebrates. *Verh. Internat. Verein. Limnol.* 20:1221-1225.
- Salvat, B., G. Vergonzanne, R. Galzin, G. Richard, J.-P. Chevalier, M. Ricard et J. Renaud-Mornant. 1979. Consequences ecologiques des activités d'une zone d'extraction de sable corallien dans le lagon de Moorea (île de la Société, Polynésie Française). *Cah. Indo-Pacifique* 1:83-126.
- Schminke, H.K. 1978. Notobathynella longipes s.n. and new records of other Bathynellacea (Crustacea, Syncarida) from New Zealand. *N.Z.J. Mar. Freshwater Res.* 12:457-462.
- Shiino, S. 1978. Tanaidacea collected by French scientists on board the survey ship "Marion-Du-Fresne" in the regions around the Kerguelen Islands and other subantarctic islands in 1972, '74, '75, '76. *Sci. Rep. Shima Marineland* 5:1-122.
- Sibert, J.R. 1979. Detritus and juvenile salmon production in the Namaimo Estuary: II. Meiofauna available as food to juvenile chum salmon (Oncorhynchus keta). *Jour. Fish. Res. Bd. Can.* 36:497-503.
- Sterba, O. 1978. Stratification of organisms in the upper layer of sandy gravel sediments under the influence of active stream movement in the river. *Vestn. Cesk. Spol. Zool.* 42:60-68. (In Ger. with Engl. summ.)
- Sudzuki, M. 1976. Microscopical marine animals scarcely known from Japan. I. Micro- and meio- faune around Kasado Island in the Seto Inland Sea of Japan. *Proc. Jap. Soc. Syst. Zool.* 12:5-12.
- Sudzuki, M. 1977. Microscopical marine animals scarcely known from Japan. II. Occurrence of Trichoplax (Placozoa) in Shimoda. *Proc. Jap. Soc. Syst. Zool.* 13:1-4.
- Turner, J.T., M.T. Postek and S.B. Collard. 1979. Microbial attachment to copepod fecal pellets and its possible ecological significance. *Trans. Amer. Micros. Soc.* 98:131-135.
- Tajika, K. 1977. Eine neue Art der Gattung Vannuccia Marcus, 1948 (Proseriata, Coeloginoporidae) aus Hokkaido, Japan. *J. Fac. Sci., Hokkaido Univ. Ser. VI, Zool.* 21:31-43.
- Tanaka, M. and T. Kikuchi. 1978. Ecological studies on benthic macrofauna in Tomoe Cove, Amakusa. II. Production of Musculista senhousia (Bivalvia, Mytilidae). *Publ. Amakusa Mar. Biol. Lab.* 4:215-233.
- Thompson, L.B. 1978. Distribution of living benthic foraminifera, Isla de los Estados, Tierra del Fuego, Argentina. *Jour. Foraminiferal Res.* 8:241-257.
- Tiemann, H. 1978. Porcellidium penicilliferum n. sp. and Porcellidium bartmannorum n. sp. aus dem Felslittoral der Südwestafrikanischer Küste (Copepoda Harpacticoida). *Mitt. Hamb. Zool. Mus. Inst.* 75:235-248.
- Timm, T. and V. Popchenko. 1978. The aquatic Oligochaeta of the Murmansk region. pp. 71-132 in: *Hydrobiological Researches VII*, Academy of Sciences of the Estonian SSR Institute of Zoology and Botany. (Russ. with Engl. summ.)
- Tiwari, K.K. and B.K. Sharma. 1977. Rotifers in the Indian Museum tank, Calcutta. *Sci. Cult.* 43:280-282.

Tsalolikhin, S.J. 1979. Origin of the fauna of nematodes of the Issyk-Kull Lake. Zool. Zhur. 58:629-636. (Russ. with Engl. summ.)

Lydorancea, C., R.H. Green and J. Huebner. 1979. Structure, dynamics and production of the benthic fauna in Lake Manitoba. Hydrobiologia 64:59-95.

Turner, J.T., M.T. Postek and S.B. Collard. 1979. Microbial attachment to copepod fecal pellets and its possible ecological significance. Trans. Amer. Micros. Soc. 98: 131-135.

Upadhyay, R.S., D.B. Singh and B. Rai. 1978. Ecology of microfungi in a tropical coastal sand belt. Indian Jour. Mar. Sci. 7: 187-190.

Vitiello, P. and S. Triki. 1978. Donneés ecologiques sur la meiofaune interstitielle du bas des plages du golfe de Tunis. Archs. Inst. Pasteur Tunis 55:384-398,

X Wormald, A.P. and A.P. Stirling. 1979. A preliminary investigation of nutrient enrichment in experimental sand columns and its effect on tropical intertidal bacteria and meiofauna. Estuar. Coastal Mar. Sci. 8:441-454.

Yamanishi, R. 1979. Occurrence of Pisione sp. (Polychaeta: Pisionidae) from a shallow water bottom in the Seto Inland Sea, Japan. Bull. Osaka Mus. Natur. Hist. 32: 7-10.

Zhuchkova, N.I. and B.A. Shishov. 1979. Stability and conservativeness of cell composition of the nervous system in nematodes: catecholaminergic neurones. Zhurnal Obshchei Biologii 40:259-270.

biochemical, S.V. 1977. Origin of the fauna of members of the family... (Braz. J. Zool. 14: 1-10)

Hydrozoa, S.V. 1977. Origin of the fauna of members of the family... (Braz. J. Zool. 14: 1-10)

Hydrozoa, S.V. 1977. Origin of the fauna of members of the family... (Braz. J. Zool. 14: 1-10)

Hydrozoa, S.V. 1977. Origin of the fauna of members of the family... (Braz. J. Zool. 14: 1-10)

Hydrozoa, S.V. 1977. Origin of the fauna of members of the family... (Braz. J. Zool. 14: 1-10)

Hydrozoa, S.V. 1977. Origin of the fauna of members of the family... (Braz. J. Zool. 14: 1-10)

Hydrozoa, S.V. 1977. Origin of the fauna of members of the family... (Braz. J. Zool. 14: 1-10)

Hydrozoa, S.V. 1977. Origin of the fauna of members of the family... (Braz. J. Zool. 14: 1-10)