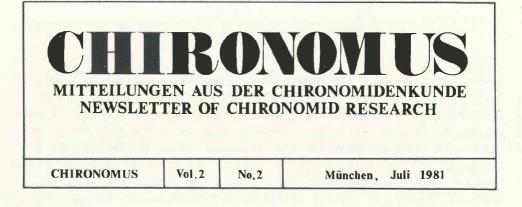
Ellsabeth Stur



INTRODUCTION

The newsletter CHIRONOMUS has had a long diapause. Many, perhaps, have thought it to have died. The shift from Ploen to Munich posed difficulties in the continued publication. The first and only number of Vol. II appeared in August 1978. Not the least were the finances, a material basis for the long absence. The response to the invitation made during the Dublin symposium to subscribe for the following numbers was very good. However, a year later we have received less than a hundred subscriptions. In our bank account(s) we have, as we go to press for this number, US \$ 396.00. This amount will suffice for 3 or possibly 4 issues. The last free number was sent to about 350 interested persons. In close cooperation between Portales and Munich, we will fulfill the promise made in the last number and bring out several issues in a year. We have taken pains to obtain the services of an inexpensive press and transport and hope to present timely information. In this connection, all readers are cordially invited to send us news items and research notes in support of the newsletter. These should include not only address changes but also reports and experiences, not only of the respondent. but also of other colleagues. Titles of local or obscure publications, Master's and Doctoral theses, etc. are welcome, as are items of personal news. As was again demonstrated at the last symposium, the chironomid workers are a remarkably congenial group. We shall do our best to cultivate and continue this relationship. With Mary and Jim Sublette's contribution as editors, the text of the newsletter will appear largely in English which will perhaps suit a broader coverage of readers. To all of thoses who believed that CHIRONOMUS could survive its long diapause, hearty thanks are given.

E.J.F.

7th INTERNATIONAL SYMPOSIUM ON CHIRONOMIDS IN DUBLIN, 27 - 29 AUGUST, 1979

Symposium was held on the campus of the University College at the invitation of Dr.D.A.Murray. Eighty-three participants from 21 countries attended. The Symposium opening address was given by Professor C.F.Humphries. In closing, Professor L.Brundin gave the first Thienemann Lecture on "METHODS AND PRINCIPLES OF PHYLOGENETIC BIOGEOGRAPHY". All together there were 45 presentations which covered a wide spectrum: physiology, cytology, systematics, ecology and zoogeography. They gave an impressive overview of present positions of the individual research directions and the activities in Chironomid investigations in the various countries. A high point of the threeday excursion, occurring throughout Ireland and ending at the Murray home, was a stop in Killarney where, at the Flesk River, swarms of <u>Buchonomyia thienemanni</u> were encountered. Dr. and Mrs. Murray and his colleagues prepared, in an exemplary manner, the conference and excursion. We should like to thank him and those who assisted him for making the conference possible.

Especial thanks are due Dr. Murray for the preparation and publication of the PROCEEDING OF THE SYMPOSIUM, which appeared early in 1980, as an impressive volume of 354 pages and 138 illustrations. The volume was published by Pergamon Press under the title:

CHIRONOMIDAE - ECOLOGY, SYSTEMATICS, CYTOLOGY AND PHYSIOLOGY The rapid publication was due, in part, to the submission of camera ready copy by the participants. Unfortunately, the price of US \$ 60.00 was unexpectedly high so that circulation of the proceedings will probably be less than expected.

E.J.F.

AQUATIC INSECTS - A NEW JOURNAL

Since 1979, there has appeared from SWETS PUBLISHING SERVICE, 347b, Hereweg, 2161 CA Lisse, The Netherlands, the publication of AQUATIC IN-SECTS. It is published by Prof. Dr. J. Illies, Schlitz, and edited by his co-worker at the Fulda Station of the Max-Planck-Gesellschaft, Dr. habil.P.Zwick. Several numbers containing various articles on chirònomids have already appeared. As a member of the editorial board, I am pleased to procure subscribers. The number of subscriptions is still not satisfactorily large. Perhaps some of the readers of CHIRONOMUS can add new subscriptions to include this journal. The journal appears as 4 numbers per year, each of about 64 pages. The

subscription price is US \$ 47.00.

E.J.F.

KEYS FOR THE LARVAE, PUPAE AND ADULTS OF THE HOLARCTIC GENERA OF CHIRONOMIDAE

At the symposium in Prague, E.J.Fittkau and F.Reiss contacted several colleagues about the possibility of preparing a determinative key to the genera of chironomids of the Holarctic Region. Such a work as they envisaged would offer a solid foundation for further taxonomic studies throughout the region. A work session was held in November, 1978 at Munich with the following participants: L. Brundin, F.S. Cranston, E.J. Fittkau, L.C.V. Pinder, F. Reiss, O.A. Saether, T. Wiederholm. Early in 1980, a second work session took place in Bergen, and in April, 1981, a third in London. In the meantime, the larval keys for all sub-families, except for Tanypodinae, were ready. They will appear this year, under the editorship of Dr.T. Wiederholm, as supplements in the ENTOMOLOGICA SCANDINAVICA. The pupal and adult key will be ready in 1982, or perhaps, 1983.

The generic placement in the larval keys was, in some instances, rather difficult since the generic boundaries up until now have been rather poorly defined. With the appearance of the work, many problems which, up until now, have been rather difficult will be minimized. The following colleagues are responsible for the various groups: Tanypodinae: E.J. Fittkau, S.S. Roback; Telmatogetoninae: P.S. Cranston; Podonominae: L. Brundin; Buchonomyiinae: O.A. Saether; Diamesinae: D. R. Oliver; Orthocladiinae: P.S. Cranston, D.R. Oliver, O.A. Saether; Chironominae: L.C.V. Pinder, F. Reiss.

In preparation for the publication of the various keys, the following work by O.A. Saether standardizing morphological nomenclature, was published: GLOSSARY OF CHIRONOMID MORPHOLOGY TERMINOLOGY (Diptera: Chironomidae). - Ent. Scand. suppl. 14, 51 pp.

CHIRONOMID BIBLIOGRAPHY

An addition to the Bibliography of Chironomidae will appear shortly as a supplemental volume. It will contain about 1800 titles from the years 1975 - 1979, as well as additions and corrections to the first volume. The citation follows: Hoffrichter, O. and Reiss, F. 1981, SUPPLEMENT TO "A BIBLIOGRAPHY OF THE CHIRONOMIDAE".-Gunneria, Trondheim. Purchase orders should be addressed to: DKNVS, Museet, Erling Skakkes gt. 47, N-7000 Trondheim, Norway.

The price is not yet available but a modest cost is anticipated. A source of copies in North America is being negotiated through the Natural History Museum at Eastern New Mexico University.

AFRICAN STUDIES ON CHIRONOMIDS

Dr. Jens Lehmann has recently investigated the chironomid fauna of two african brooks using emergence traps and rearings. One stream lies in the mountainous area of Northeast Zaire, the other in the lowlands of the Congo basin. The systematic part of the study contains numerous new descriptions which, in part, include immature stages. The ecological part embraces detailed phenological and production biology data, the maximum extending for more than an annual cycle. Copies of both publications are available from: Bibliothek der Zoologischen Staatssammlung, Maria-Ward-Str. 1b, D-8000 München 19, West Germany. Citations and prices are:

Lehmann, J.,1979, CHIRONOMIDAE (DIPTERA) AUS FLIESSGEWÄSSERN ZENTRAL-AFRIKAS. TEIL I: KIVU-GEBIET, OSTZAIRE: Spixiana, Suppl. 3, 144 pp. US & 9.00 + postage.

Lehmann, J., 1981, CHIRONOMIDAE (DIPTERA) AUS FLIESSGEWÄSSERN ZENTRAL-AFRICAS. TEIL II: DIE REGION UM KISANGANI; ZENTRALZAIRE. - Spixiana, Suppl. 5, 85 pp. US \$ 12,00 + postage.

A very valuable list of the African Chironomidae with a revised arrangement of species to the genera now accepted, is published by: Freemann P. and Cranston, P.S., 1980: Family Chironomidae. - In: Crosskey, R.W.(ed.): Catalogue of the Diptera of the Afrotropical region. -Trust. Brit. Mus. (Nat. Hist.): 175 - 202.

6th INTERNATIONAL SYMPOSIUM ON CHIRONOMIDS IN PRAGUE, 17 - 20 AUGUST, 1976

The issue encompassing the SYMPOSIUM PROCEEDINGS is a bound volume in the series ACTA UNIVERSTATIS CAROLINAE BIOLOGICA. It includes 37 articles in 296 pages. We offer Dr. Lellak our hearty thanks for the well organized symposium and for the excellent manner in which the PROCEE-DINGS have now been documented.

The symposium volume may be obtained for 20 KCS through Dr. Lellak at the following address:

Prof. Dr. J. Lellak Hydrobiology Department Faculty of Science Prague, CSSR (Czechoslovakia)

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PERSONALIA

On the 7oth birthday of Prof.Dr.L. Brundin, the Entomological Society of Lund, Sweden, organized an hour's celebration on 26-X-79. Drs E.J. Fittkau and O.A. Saether made a laudatory presentation to Dr. Brundin of a volume dedicated to him: RECENT DEVELOPMENTS IN CHIRONOMID STUDIES (DIPTERA: CHIRONOMIDAE). Ent. Scand. Suppl. 10, 150 pp. We hope and wish that Prof. Brundin will remain hale and hearty and can continue to serve as a model for future chironomid workers.

Mr. William Beck, author and co-author with his wife, Beth, of many papers on Florida chironomids, has retired from his position at Florida A & M University, Tallahassee. He writes that he has set up a laboratory in his home and will continue his chironomid studies there. Currently, he is busy with arrangements for the 8th International Symposium on Chironomidae to be held in Florida in 1982. His current address is: Mr. William M. Beck, Jr., 1621 River Bluff Road, Jacksonville, Florida 32211, U.S.A.

Thanks for the extra amount in the check for CHIRONOMUS, Bill. We wish you the best.

J.E.S.

TAXONOMIC REVISIONS

The following revisions underway have been brought to the attention of the editors:

- Palaearctic species of the genus <u>Dicrotendipes</u> by Dr.Ruth Contreras-Lichtenberg, Naturhistorisches Museum Wien, 2. Zool. Abt., Burgring 7, A-lol4 Wien, Österreich.
- Nearctic species of the genus <u>Dicrotendipes</u> by John Epler, Lab. of Aquatic Entomology, Florida A & M University, P.O.Box 111, Tallahassee, Fla. 32307, U.S.A.
- 3. The genus <u>Orthocladius</u>, subgenus <u>Euorthocladius</u> (holarctic region) by Dr.A. Soponis, Lab. of Aquatic Entomology, Florida A & M University, P.O.Box 111, Tallahassee, Fla. 32307, U.S.A.
- 4. The genus <u>Stenochironomus</u> (holarctic and neotropical region) by Art Borkent, Biosystematics Res. Institute, Agriculture Canada, Res. Br., Ottawa, Ont. KIA OC6, Canada.
- Palaearctic species of the genus <u>Micropsectra</u> (atrofasciata-bidentatagroup) by Lars Säwedal, Zoological Institute, Dept. of Systematics, University of Lund, Helgonavägen 3, S-223 62 Lund, Sweden.

- The tribe <u>Tanytarsini</u> (North America) by Mary Sublette and Dr. James E. Sublette, Eastern New Mexico University, Box 2114, Portales, N.M. 88130, U.S.A.
- 7. The females and larvae of the genus <u>Diamesa</u> Meigen are being described or revised by cand. scient. E. Willassen, Museum of Zoology, Univ. of Bergen, N-5014 Bergen/Univ., Norway. Associated material would be appreciated.
- 8. The females and larvae of the genera <u>Tvetenia</u> Kieff. and <u>Eukiefferiel-la</u> Thien. are being described or revised by cand. scient. G.A. Halvorsen, Museum of Zoology, Univ. of Bergen, N-5014 Bergen/Univ., Norway. Associated material would be appreciated.

NEW TITLES

- Caspers, N. 1980: Die Emergenz eines kleinen Waldbaches bei Bonn. -Dechenia, Suppl. 23: 175 pp.
- Dratnal, E. 1979: Eukiefferiella szczensnyi sp. n. (Diptera, Chironomidae). - Bull. Acad. Pol. Sci., Sér. sci. biol., Cl II, 27: 183-193.
- Halvorsen, G.A. 1981: The female imagines of Tvetenia calvescens (Edwards), Eukiefferiella claripennis (Lundbeck), and E. dittmari Lehmann, with some phylogenetic remarks on the two genera. Diptera: Chironomidae. Unpubl. thesis, cand. scient., University of Bergen, 88 pp.
- Hilburn, L.R. 1979: Population genetics of Chironomus stigmaterus Say (Diptera: Chironomidae). I. Cytogenetic variability in populations of the South-Western United States. - Heredity 43: 219-228.
- Hilburn, L.R. 1980: Population genetics of Chironomus stigmaterus Say (Diptera: Chironomidae). II. Protein variability in populations of Southwestern United States. - Evolution 34: 696-704.
- Hofmann, W. 1979: Chironomid analysis. In: Berglund, B.E. (ed.): Palaechydrological changes in the temperate zone in the last 15.000 years. Subproject B. Lake and mire environments. Vol. 2: 259-270. -Internat. Geol. Correl. Programme, Lund 1979.
- Jónasson, P. (ed.) 1979: Lake Myvatn. Oikos 32(1-2), 308 pp.
- Kownacki, A. and Kownacka, M. 1980: Diamesa martae sp. n. (Diptera: Chironomidae) and geographical distribution of the species of Diamesa latitarsis group. - Acta Hydrobiol. 22: 313-326.
- Kownacki, A. and Zosidze, R.S. 1980: Taxocens of Chironomidae (Diptera) in some rivers and streams of the Adzhar USSR (Little Caucasus Mts). - Acta Hydrobiol. 22: 67-87.
- Langton, P.H. 1980: The genus Psectrocladius Kieffer (Diptera: Chironomidae) in Britain. - Entomol. Gazette 31: 75-88.

- 14 -

- LeSage, L. and Harrison, A.D. 1980: The biology of Cricotopus (Chironomidae: Orthocladiinae) in an algal-enriched stream. Part I. Normal biology. Arch. Hydrobiol. Suppl. 57: 375-418.
- Michailova, P. 1980: A review of the European species of genus Clunio Haliday, 1855 (Diptera, Chironomidae). - Zool. Anz. 205: 417-432.
- Moller-Pillot, H.K.M. 1978/1979: De larven der nederlandse Chironomidae (Diptera). Nederl. faun. Meded. 1: 276 pp. (Tanypodinae, Chironominae).
- Roback, S.S., Bereza, D.J. and Vidrine, M.F. 1980: Description of an Ablabesmyia (Diptera: Chironomidae: Tanypodinae) symbiont of unionid fresh-water mussels (Mollusca: Bivalvia Unionacea), with notes on its biology and zoogeography. - Trans. Amer. Ent. Soc. 105: 577-619.
- Saether, O.A. 1979: Chironomid communities as water quality indicators. -Holarctic Ecol. 2: 65-74.
- Saether, O.A. 1980: Glossary of chironomid morphology terminology (Diptera: Chironomidae). - Ent. scand. Suppl. 14: 1-51.
- Saether, O.A. 1980: The influence of entrophication on deep lake benthic invertebrate communities. Prog. Wat. Tech. 12: 161-180.
- Säwedal, L. 1978: The non-biting midges (Diptera, Chironomidae) of the Abisko area. Fauna Norlandica 1, 174 pp.
- Sasa, M. 1980: Studies on chironomid midges of the Tama River. Part 2. Description of 20 species of Chironominae recovered from a tributary. - Rep. natn. Inst. envir. Stud. 13: 9 - 107.
- Schlee, D. 1980: Ungewöhnliche Varianten des Sozialverhaltens bei Zuckmücken (Diptera: Chironomidae). - Stuttg. Beitr. Naturk., Ser. A (Biol) 336: 12 pp.
- Siebert, M. 1980: Die Emergenz der Chironomiden im Breitenbach 1969 -1973. - Arch. Hydrobiol., Suppl. 58:
- Simpson, K.W. and Bode, R.W. 1980: Common larvae of Chironomidae (Diptera) from New York State streams and rivers with particular reference to the fauna of artificial substrates. - Bull. New York State Museum 439, 105 pp.
- Soponis, A.R. 1980: Fseudorthocladius macrostomus, a new species of chironomid (Diptera) with a long proboscis. - Florida Entomol. 63: 485-490.
- Street, M.S. and Titmus, G. 1979: Colonization of experimental ponds by Chironomidae (Diptera). - Aquatic Insects 1: 233-244.
- Sublette, J.E. 1979: Scanning electron microscopy as a tool in taxonomy and phylogeny of Chironomidae (Diptera). - Ent. scand. Suppl. lo: 47-65.
- Sublette, J.E. and Martin, J. 1980: Yama tahitiensis n. gen., n. sp. from Tahiti (Diptera: Chironomidae). - Pan-Pacif. Entomol. 56:221-237.

- Sublette, J.E. and Wirth, W.W. 1980: The Chironomidae and Ceratopogonidae (Diptera) of New Zealand's subantarctic islands. - N.Z.J. Zool. 7: 299-378.
- Velde van der, G. 1980: Studies in Nymphaeid-dominated systems with special emphasis on those dominated by Nymphoides peltata (Gmel.) O. Kuntze (Menyanthaceae). - Ph.D.Thesis, Katholic University of Nijmegen, Netherlands, 163 pp.
- Willassen, E. 1980: Three female imagines of Diamesa Meigen, 1835, with an account of the female morphology of the genus (Diptera: Chironomidae). - Unpubl. thesis, cand. scient. University of Bergen. 108 pp.

ANNOUNCEMENT OF THE 8th INTERNATIONAL SYMPOSIUM ON CHIRONOMIDAE IN JACKSONVILLE, FLORIDA, USA, 1982

As Mr. W.M. Beck told us early in July, the arrangements for the symposium are underway. The meeting will take place at the University of Jacksonville, Florida, USA, July 26 - 28, 1982. After the symposium a three day excursion is planned to visit the Okeefenokee Swamp. Many colleagues have asked for a excursion to the Everglades. Probably such a trip is not possible for reasons of time and cost. The Everglades are more than 600 km from Jacksonville!

The official invitation to the 8th International Symposium by Mr. W. M. Beck will come out in the next number of the "Chironomus", fall 1981.

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