

# CHIRONOMUS

MITTEILUNGEN AUS DER CHIRONOMIDENKUNDE  
NEWSLETTER OF CHIRONOMID RESEARCH

CHIRONOMUS

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## THE NINTH INTERNATIONAL SYMPOSIUM ON CHIRONOMIDAE

### Final announcement

The Ninth International Symposium on Chironomidae to be held July 29-31, 1985 in Bergen, Norway, will be sponsored by the University of Bergen, the Norwegian Research Council and hopefully other organizations. The meetings will be at the University and housing can be obtained in small hotels and pensions within walking distance from the campus.

Following the symposium, an excursion is planned for 1-3. August. The group will travel by bus, boat and train through some of the more scenic parts of the Norwegian fjords and mountains to Finse (1222 m altitude). The participants will be lodged in a tourist hotel. Collecting trips are planned to the glacier Hardangerjøkulen, as well as to other areas of interest and the participants will have the opportunity to visit the Finse Ecological Research Station, owned by the universities of Oslo and Bergen. The station has laboratory facilities which can be used to the extent that it does not interfere with the regular activities going on at the station. The excursion will terminate at Finse and participants may leave by train for either Bergen or Oslo.

An invitation is extended to all scientists engaged in research on any aspect of the Chironomidae to attend and participate in the conference.

### Papers

Submitted papers may be presented orally (15 min) or as a poster. Arrangements are being made to have the papers published in a supplement volume of *Entomologica Scandinavica*. The text must be available for submission to the editor at the editor at the end of the symposium. Papers exceeding seven printed pages may be accepted at full length, but will carry a page charge. The deadline for submitting the title of the paper and an abstract containing less than 150 words is April 1, 1985. Authors will be instructed to make the abstracts conform to a given style and format.



In the fifties, Bertrand published different papers about the chironomids of the Pyrenees (Bertrand 1950 a-c, 1952) some of them being referred to the Spanish slopes. After those works the also French researcher Laville made a contribution to the knowledge of the Southern Spain's chironomids (Laville et Tourenq 1967, 1968 and Laville 1970). He studied the Chironomidae of the Guadalquivir River's marshes specifically.

On the Diamesinae there were important works of Serra-Tosio, who discovered two new species: Diamesa veletensis SERRA-TOSIO, 1971 and Potthastia iberica SERRA-TOSIO, 1971 (Serra-Tosio 1970, 1971). Also, he wrote about the geographical and ecological distribution of ten species of Iberian Diamesinae in his masterwork "Ecologie et Biogeographie des Diamesinae d'Europe" (Serra-Tosio 1972).

Fittkau and Reiss (1978) noted in "Limnofauna Europaea" 118 species of Chironomidae for the Iberian Peninsula. They were eleven Tanypodinae, eleven Diamesinae, 45 Orthoclaudiinae and 51 Chironominae. 195 species are cited for the Pyrenees. From those species, 135 were noted for the Pyrenees but they were not for the rest of the peninsula.

However, the most exhaustive research on Spanish chironomids in the past years has been done by Dr.N.Prat from the Department of Ecology, University of Barcelona. His first paper about chironomids of Catalonia (Prat 1977) contained the references for 38 species, from which 25 are new species for the Spanish fauna. He payed special attention to the following pairs of species:

Thienemannimyia festiva FITTKAU, 1962 and Th. northumbrica (LAVILLE, 1972); Metriocnemus hirticollis (STAEGER, 1839) and M. hygropetricus KIEFFER, 1912 and Microtendipes confinis (MEIGEN, 1830) and M. britteni (EDWARDS, 1929).

Prat (1981) in his second paper gave references for other 35 species, among them 16 new species for the Spanish fauna. Thus, the total number of know species in our fauna raised to 147. Two more works of Prat (1977 and 1978) described finally 56 species from the Spanish dams: three Tanypodinae, 22 Orthoclaudiinae and 30 Chironominae -18 Chironomini and 12 Tanytarsini. For each species he studied he gave the morphological and systematical data, geographical distribution with maps of the Peninsular Spain and ecological data.

Nowadays, taking into account all the cited works, the total amount of chironomids' species known in Spain is 147. That is a "still small amount" (Prat) if we take a comparison with the Great Britain's ones (448 after Pinder 1978) or the European 1400 Chironomids (Fittkau and Reiss 1978). Therefore, there is yet a lot to research on systematics and biology of Spanish chironomids.

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#### PERSÖNLICHES

Im August 1984 hat Prof.Dr.J.E.Sublette Portales verlassen und eine neue verantwortungsvolle Aufgabe an der University of Southern Colorado in Pueblo, Colorado 81001, 2200 Bonforte Boulevard, übernommen. Er leitet dort das Office of Research and Graduate Studies. Wie er uns mitteilte, hofft er dort, zusammen mit seiner Frau weiter mit Chironomiden arbeiten zu können. Wir wünschen beiden ein schnelles Einleben an ihrem neuen Wohnort.

Peter Cranston, Entomology Department, British Museum (Natural History), Cromwell Road, London SW7 5BD has completed a Catalogue of Palaearctic Chironomidae (excluding subfamily Chironominae - to be completed by Dr.P.Ashe, Dublin). The Catalogue will be published by the Akadémiai Kiadó, Budapest in conjunction with Elsevier of Amsterdam, but the date of publication of the section including Chironomidae is not known yet. Copies of the text will be deposited in Munich, Ottawa, Bergen, London and Dublin where they may be consulted, or selective copies may be taken for research purposes.

From 1 January 1985, Dr. Cranston's address will be c/o Biosystematics Research Institute, Ottawa, Canada K1A 0C6, until January 1986.

## CHIRONOMIDAE IN RÜGEN

The island of Rügen is a classical entomological site and lies in the Baltic Sea just off the coast of the DDR (East Germany). The low-lying western side of the island includes in the two Jasmunder lakes, the larger of which is connected to the sea by a narrow channel. This part of the island contains many interesting terrestrial habitats, including extensive sand dune systems. The eastern part of Rügen is famous for its beech forests on chalk, which terminate in spectacular, east facing cliffs, dropping to a narrow Baltic shoreline (Plate 1).

Amongst the entomologists to study the area was Dr. A. Thienemann, then from Greifswald, who collected and reared chironomids on several visits. Habitats which he studied in some detail included the streams flowing on the face of the chalk cliffs around Königstuhl, especially the stream 'Aeserort II' (Plate 2). The adult chironomids reared from Rügen were described by Abbé J. J. Kieffer, but, as so often, the adult types were lost. We now recognise that the immature stages retained by Thienemann have type status and further material from the type-localities would be useful for the resolution of many nomenclatural problems. In summer, 1984, I was able to visit several of these sites on Rügen and make some small collections from several type-localities.

Rügen is an important area for tourism, but the kind of development normally associated with mass tourism is absent. It is remarkable how little disturbance of Thienemann's habitats has taken place - for example, the beautiful chalk cliffs around Königstuhl must be virtually unchanged in the 80 years since Thienemann knew it. The stream 'Aeserort II' is easily found and still contains large larval populations of Diamesa insignipes and Orthocladius (Eudactylocladius) fuscimanus, both of which were described (as adults by Kieffer and immature stages by Thienemann, in Kieffer & Thienemann, 1908) from this stream. Collections from other parts of the island have yet to be studied in detail, but will be used to recognise some of the forgotten names proposed by Kieffer for Rügen species.

The discovery of a substantial population of the marine Telmatogeton remanei Remmert on the shore below Königstuhl is of some interest, since Thienemann did not record the species, and it is unlikely that he would have overlooked the species if it were present. Our present understanding is that the species is likely to be synonymous with T. japonicus Tokunaga, which, together with the distribution in the Baltic, indicates that Kronberg's view (pers. comm.) is correct: that the species is a relatively recent introduction from the east, and populations in the Baltic are still predominantly associated with international ports (Gdansk, Rostock, Kiel and Sassnitz, near Königstuhl).

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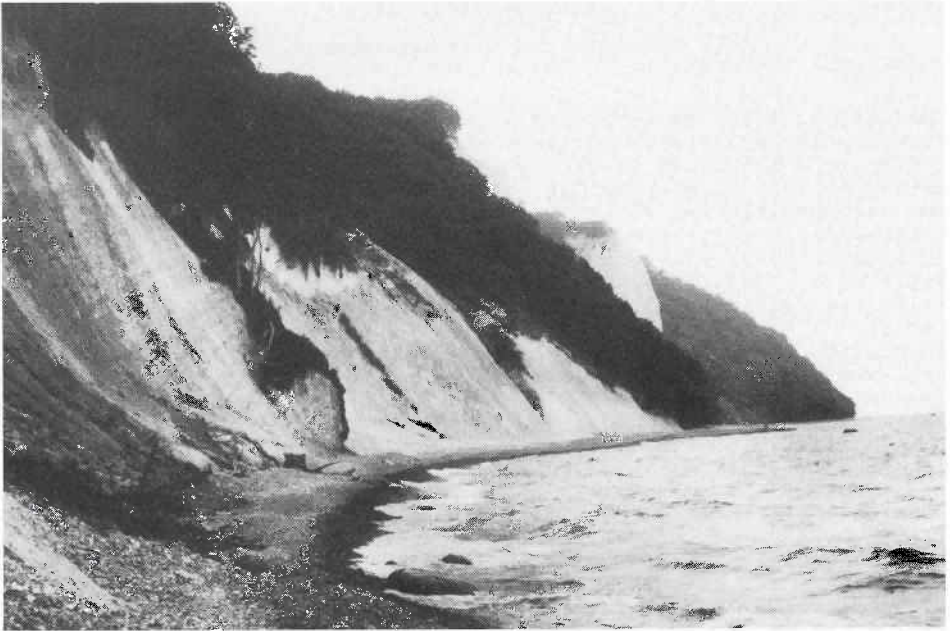


Plate 1



Plate 2

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(Examens- und Bestimmungsarbeiten)

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Auf zwei wichtige Publikationen für die praktische Arbeit mit Oberflächendrift sei besonders hingewiesen. Sie schließen eine große Lücke in der bisherigen europäischen Bestimmungsliteratur, auch wenn sie sich speziell nur auf England beziehen. Wilson (1982) hat einen auf einfachen Merkmalen basierenden Bestimmungsschlüssel für die Gattungen erstellt. Bei Langton (1984) ist eine Bestimmung bis zur Art möglich. Beide Arbeiten sind bei den Autoren direkt und preisgünstig zu beziehen:

Dr. P.H. Langton, 1 Brooks Road, March, Cambs. PE15 8AR, England. -  
Dr. R.S. Wilson, University of Bristol, Dept. of Zoology, Woodland Road,  
Bristol BS8 1UG, England.

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