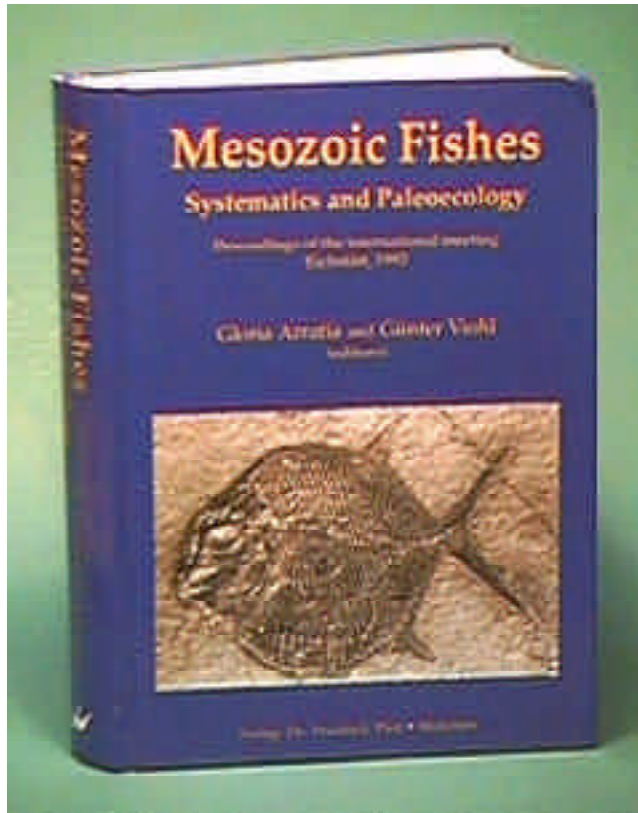


The Compleat Mesoangler

A Newsletter About Mesozoic Fishes

Volume 3, Number 2

November 10, 1996



Second Meeting, Buckow, July 7-10

Planning is well advanced for the 1997 Mesozoic Fishes meeting, to be hosted in Buckow (near Berlin, Germany) by Gloria Arratia and Hans-Peter Schultze. The second circular, containing the Notice to Authors, has already been mailed. The abstract deadline is February 28. Please see the notices on pages 3 & 10 for more details and for contact addresses.

Right before the Mesozoic Fishes meeting there will be a two-day meeting of IGCP 406 on biological and geological significance of Circum-Arctic Palaeozoic Vertebrates. People with interests in both the Palaeozoic and the Mesozoic are invited to attend both meetings. ■

Mesozoic Fishes Volume Appears

As you can see from the above picture, the long-awaited symposium volume from the 1993 Mesozoic Fishes meeting in Eichstätt has finally been published. Included in the 537 pages are some 37 papers concerning such diverse taxa as sharks, polypteriforms, acanthomorphs, and coelacanths, and fossil deposits from areas as far apart as China, South America, and Madagascar. For details, see the advertisement on p. 2 and the announcement from Gloria Arratia on p. 10. ■



Mesozoic Fish Tales: News from Readers

BRITO, Paulo, P. O. Box 70166, Ipanema,
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Email: PBRITO@VMESA.UERJBR

Current Research: 1) Study of phylogenetic relationships among guitarfish lineages using both fossil and recent taxa. 2) finishing the illustrations for a monograph on aspidorhynchids (revision of the family and its phylogenetic relationships). 3) description of new Cretaceous fishes from the Chapada do Araripe. 4) have some skulls of *Tribodus*, the hybodont shark from the Sanatana Fm. described in 1989 and 1992, and am finishing a paper on its braincase anatomy.

CIONE, Alberto Luis, Departamento Paleontología Vertebrados, Facultad de Ciencias Naturales, y Museo, Universidad Nacional de La Plata, 1900 La Plata, Argentina

Fax: 54 21 257527

E-mail: museo@isis.unlp.edu.ar

Current Research: 1) Miocene and Pleistocene freshwater teleosts (mainly ostariophysan) from northern and eastern Argen-

G. Arratia & G. Viohl, eds.

Mesozoic Fishes: Systematics and Paleoecology

Proceedings of the First International Meeting,
Eichstätt, 1993

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tina. 2) Eocene teleosts and sharks from Antarctica. 3) Early Cretaceous primitive halecostomes from central Argentina. 4) Cenozoic stratigraphy and climate of southern South America.

CUNY, Gilles, Department of Geology, University of Bristol, Wills Memorial Building, Queens Road, Bristol, England, BS8 1RJ UK

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Fax: (0117) 925 3385

E-mail: gilles.cuny@bris.ac.uk

Current Research: 1) The main part of my work is the study of the enamel ultrastructure of lower vertebrate teeth. This leads to the recognition of a new species of neoselachian shark at Grozon (Upper Triassic, Jura, France) and to the recognition of typical layered enameloid (surface shiny enameloid, parallel-fibered enameloid and inner tangled-fibered enameloid) in teeth hitherto attributed to the hybodont *Hybodus minor*. These discoveries document

the early steps of neoselachian shark radiation.
2) I am describing a new species of myriacanthid holocephalan in the Upper Triassic of Southern France, one of the oldest known, and documenting the early radiation of this group.

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Second Meeting: Mesozoic Fishes - Fossil Record & Systematics

July 7 - 10, 1997

Buckow, near Berlin, Germany

Buckow is a small village outside Berlin. There is a meeting place with inexpensive accommodations. The whole group will be together during the meeting, and people could enjoy the area around (lake and forest). Arrival on July 6, 1997 and departure either on July 10, 1997 at night or July 11, 1997 in the morning.

We may also plan a one day trip to Liassic fish localities in Northern Germany before or after the meeting, which is scheduled just before the Vertebrate Morphology meeting in Bristol.

For information:

Drs. Gloria Arratia or H.-P. Schultze

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Museum für Naturkunde der H.U.B.

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or

gloria.arratia@rz.hu-berlin.de

WWW: <http://www.uerj.br/ibio/dbav/>

Current research 1) Revision of Brazilian *Lepidotes*; 2) Comparative morphometrics of fossil Semionotidae and recent Lepisosteidae and Amiidae; 3) Morphological and phylogenetic studies of Brazilian Myliobatiformes; 4) Fractal analysis of serration patterns in shark teeth (Lamnidae and Carcharhinidae); 5) Impact of the Cretaceous-Tertiary transition on paleovertebrate fauna of the Eastern basins of Northeastern Brazil and its correlation to the Northwestern African basins.

TURNER, Susan, Queensland Museum, PO Box 3300, SOUTH BRISBANE, Queensland 4101, Australia

Phone: (617) 3840 7667

Fax: (617) 3846 1918

E-mail: s.turner@mailbox.uq.oz.au

Current Research: During the second year of her Australian Research Fellowship Sue hopes to complete work for IGCP 328 and help develop a successor project which will look at vertebrate-conodont co-association across into the Triassic and investigate the potential of Mesozoic fish microvertebrates to aid biostratigraphy.

With the latter she is particularly interested in shark teeth and scales. She and John Long



A specimen of the pycnodont *Coccodus* from the Cretaceous of Lebanon.

(Western Australian Museum) are hoping to encourage a student to work on Triassic material from the new North West Shelf oil and gas basins. She presented a poster on some Middle Triassic marine fauna at the 43rd VPCA New-castle upon Tyne in September 1995.

Sue and Andrea Tintori are working on a new suite of Early Triassic fish from Queensland and with Claudia Spalletta of Bologna, Italy, she is working on new Triassic microremains - mostly sharks and actinopts. ■

Squish Fisch Fiche: Recent Publications

Applegate, S. P. 1996. An overview of the Cretaceous fishes of the quarries near Tepexi de Rodríguez, Pueblam México. pp. 529-538 *In:* G. Arratia and G. Viohl (ed.), *Mesozoic Fishes - Systematics and Paleoecology*. Proceedings of the international meeting Eichstätt, 1993. Verlag Dr. Friedrich Pfeil. München, Germany. 576 pp.

Arratia, G. 1996. Basal teleosts and teleostean phylogeny. Uppsala University, Uppsala, Sweden. Doctoral thesis. 318 pp.

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Arratia, G. 1996. The Jurassic and the early

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- FAX: 1-403-492-9234
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history of teleosts. pp. 243-260 *In:* G. Arratia and G. Viohl (ed.), *Mesozoic Fishes - Systematics and Paleoecology*. Proceedings of the international meeting Eichstätt, 1993. Verlag Dr. Friedrich Pfeil., München, Germany. 576 pp.

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The Rise of Fishes

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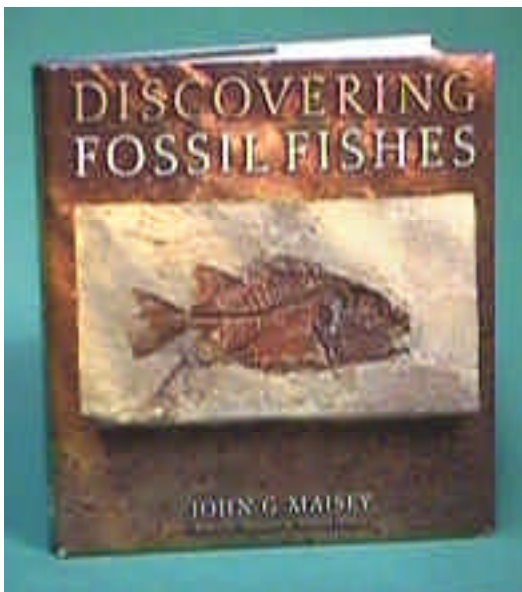
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John Maisey's new book features many Mesozoic fishes.



Gloria Arratia after successfully defending her doctoral thesis at the University of Uppsala.

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Discovering Fossil Fishes

by John G. Maisey
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Symposium on Fish Paleontology August 24-30, 1997 Trieste, Italy

A special symposium will be organized during the NINTH INTERNATIONAL CONGRESS OF EUROPEAN ICHTHYOLOGISTS (CEI 9). The congress theme is "Fish Biodiversity" and papers that focus on dominant fish components and the areas/periods of highest fish diversity (as well as major extinctions) are particularly encouraged. Nevertheless, papers on morphology, ecology, phylogeny or systematics are also welcome, especially if they include both extant as well as fossil material.

Trieste is a mid-size, quiet town at the easternmost corner of Italy. Weather is still nice at the end of August, and the hottest period of the year is usually over. Trieste and the Friuli region are very famous for their cultural centers, historic buildings and, last but not least, for their wines and various traditional dishes. The congress will be held in an ex-maritime station, surrounded by the sea. It is fully air conditioned and close to the center of town. There is a good choice of accommodations for every budget. A student house, for example, is available for young

colleagues and other people who require cheap accommodation.

Organizers of the paleontology symposium are Tyson Roberts, Capital Mansion, 1371 Phaholyotin road, Sapankhwani, Bangkok, Thailand, and Norbert Micklich, Darmstadt, Germany (see below). For further information, Call for Papers, & Pre-registration forms (without delay; deadline has past!) please contact:

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Transfer-prepared skull of Enchodus from the Upper Cretaceous of Kansas.

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Announcements from Gloria Arratia

MESOZOIC FISHES - SYSTEMATICS AND PALEOECOLOGY, 1996. Verlag Dr. F. Pfeil

The proceedings of the meeting Mesozoic Fishes - Systematics and Paleoecology, Eichstaett-1993 were published at the end of September of this year; I was very happy to have a copy in my hands on October 2nd. The publication took longer than expected, and I feel that I should offer the authors and readers an explanation.

The review process should have been finished in 1994; however, there was a delay with three manuscripts; thus the whole review process was completed in early June, 1995. I should say that all reviewers were very cooperative and offered helpful comments to improve the manuscripts. The first draft of the proceedings gave an account of about 700 pages; the publisher changed the format so that the number of pages is now 576.

The original idea of Dr. Pfeil was to publish the volume at the end of 1995, but it was impossible to do so because of lack of financial support. I do not know exactly what happened but the final result is that Dr. Pfeil had to pay the printing costs of the proceedings. At the moment he realized that the money for the publication of the proceedings was not available, he told me that he could not fail his colleagues, nor me, thus he paid himself the costs of the proceedings. Unfortunately, after his decision, he faced some severe economical problems in his business that consequently delayed the publication of the proceedings. I believe that Dr. Pfeil has given us, his paleoichthyological colleagues, a wonderful present by doing an excellent job with the publication of the proceedings of the first meeting.

The participants to the second meeting Mesozoic Fishes - Systematics and the Fossil Record should not be afraid that a similar situation could happen again. We (Hans-Peter Schultze and myself) are dealing differently with the financial support of the second meeting.

CONTRIBUTIONS OF SOUTHERN SOUTH AMERICA TO VERTEBRATE

PALEONTOLOGY (G. Arratia, ed.).

Muenchener Geowissenschaftliche Abhandlungen, 30, 342 pp., 1996. Verlag Dr. F. Pfeil.

Recently Verlag Dr. F. Pfeil also published a volume that offers a collection of nine papers on fishes (G. Arratia & A. Cione), Cretaceous tetrapods (J. Bonaparte), amphibians (A. M. Baez & N. Basso), crocodylians (Z. Gasparini), squamates (A. Albino), Late Cretaceous birds (L. Chiappe), other birds (C. Tambussi & J. Noriega), land mammals (R. Pascual et al.) and aquatic mammals (M. Cozzuol). The chapter "The record of fossil fishes of southern South America" provides information from the Paleozoic to Tertiary; it lists fossil fishes with their localities, age and literature where the information can be found.

SECOND MEETING: MESOZOIC FISHES - SYSTEMATICS AND THE FOSSIL RECORD

To the participants of the second meeting on Mesozoic Fishes:

Study of collections

If you would like to study fish material in the collection of the Naturkunde Museum in Berlin, please keep in mind that you can do so before or after the meeting. Please, tell G. Arratia well in advance about your plans, because she could reserve the guest room of the museum or could reserve a room in the guest house of the University, etc. Because Naturkunde Museum in Berlin has many visitors, all reservations should be done months in advance.

Abstract deadline

The FINAL deadline for abstracts (one page maximum, in Times 12 or Palatino 12, one and a half line spacing) is February 28, 1997.

Manuscripts

Manuscripts for the symposium volume must be submitted in triplicate during the meeting in Buckow. Contact Gloria Arratia for a copy of the instructions to authors. ■