

The Compleat Mesoangler

A newsletter About Mesozoic Fishes

Volume 2, Number 1

August 7, 1995

Mesozoic Fishes Featured in Recent Books

The past few years have seen the publication of several books that give prominent coverage to Mesozoic fishes. The forthcoming Eichstätt symposium volume will of course be devoted to this subject, but several other books have a broader coverage. Two general categories of these might be mentioned: treatments of fossil fishes of all ages, and treatments of fossils from particular localities.

Frickhinger's Fossil Fish Finder

In the first category is Karl A. Frickhinger's *Fossilien Atlas Fische*, published in 1991 by Mergus, Verlag für Natur- und Heimtierkunde Baensch, Melle, Germany, 1088 pp. The work includes colour photos, drawings, and brief descriptions of examples of more than 900 genera of fishes known from fossils. The photos were taken by Frickhinger during visits to collections around the world.

Long Gets Rise Out of Fishes

Also in the first category is John A. Long's *The Rise of Fishes*, published in 1995 by Johns Hopkins University Press, Baltimore, U.S.A., 224 pp. Also lavishly illustrated, Long's book (advertised on p. 6) includes 300 colour photos and drawings. Chapters are organized



John Maisey and Hans-Peter Schultze attending ASIH95 in Edmonton

taxonomically, but much of the text and many illustrations deal with Mesozoic fishes.

Santana to Solnhofen

In the second category are recent volumes treating the paleontology of important Mesozoic fossil localities. One is John Maisey's edited volume *Santana Fossils, an Illustrated Atlas*, published in 1991 by TFH Publications, Neptune, New Jersey, U.S.A., 224 pp., devoted to the important Cretaceous assemblage in Brazil.

Another is *Solnhofen: a Study in Mesozoic Palaeontology* edited by K. W. Barthel, N. H. M Swinburne, and S. C. Morris and published by Cambridge University Press. Based on Barthel's earlier book *Solnhofen: Ein Blick in die Erdgeschichte*, the newer work is aimed at a more technical audience and includes extensive

discussion of invertebrates, geology, and taphonomy.

Also about Solnhofen paleontology and advertised on p. 6 of this newsletter is K. A. Frickhinger's *Die Fossilien von Solnhofen/The Fossils of Solnhofen*. Written in both German and English, this treatment is aimed at a more general audience and includes more than 600 of Frickhinger's excellent colour photos, of which more than 100 are Jurassic fishes.

Brief Reviews Invited

Readers are invited to submit brief book reviews to *The Compleat Mesoangler*. If interested, write a review of 300 words or less, giving special attention to issues relating to Mesozoic fishes. You may review recently published books of special interest to readers of *TCM*, either monographs or edited volumes, including any of the books listed above. Acceptance, editing, and publication of reviews will be at the discretion of the editor. ■

G. Arratia & G. Viohl, eds.
**Mesozoic Fishes:
Systematics and Paleoecology**

Proceedings of the First International Meeting,
Eichstätt, 1993

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Do you know of resources about Mesozoic fishes on the **World Wide Web?**

If so, let us know and we'll advertise them here. To get the ball rolling, here are addresses for web pages of:

U. of Alberta Lab for Vertebrate Paleontology

<http://gause.biology.ualberta.ca/wilson.hp/UALVP.html>
with links to staff, fossil replicas available for sale, systematics and evolution research group, etc.

Royal Tyrrell Museum of Palaeontology

<http://www.cuug.ab.ca:8001/VT/tyrrell/>

Society of Vertebrate Paleontology News

<http://cope.ummz.lsa.umich.edu/svp/>

Natural History Museum (London)

<http://www.nhm.ac.uk/>

Electronic Fossil Shark Museum

<http://turnpike.net/emporium/C/celestial/epsm.htm>

The Fossil Record Two online version, in Macintosh Excel text format

<http://www.gly.bris.ac.uk/www/research/palaeo/frdata.html>

Muséum National d'Histoire Naturelle, Paris

<http://www.paris.org.:80/Musees/HistNat/>
or
<http://www.mnhn.fr/>

Museum of Paleontology, University of California Berkeley

<http://ucmp1.berkeley.edu/>

The Paleontological Society

<http://www.uic.edu/orgs/paleo/homepage.html>

The Field Museum of Natural History

<http://www.bvis.uic.edu/museum/>

The Palaeontological Association Newsletter

<http://www.nhm.ac.uk/paleonet/PalAss/>

Ichthyolith Issues

the IGCP 328 Newsletter
on Palaeozoic Microvertebrates

Send \$20 (Australian) in Australian dollar
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Account" to:
Dr. Susan Turner
Queensland Museum
PO Box 3300
S. Brisbane, Qld 4101
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Mesozoic Fish Tales: News from Readers

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Current research: interrelationships of
fossil and extant elasmobranchs.

Hoffman, Walter, Kiefernstr. 2, 55743 Idar-
Oberstein, Germany

Current research: amateur paleontologist
specializing in sharks, fossil and extant.

Second Meeting:

Mesozoic Fishes - Fossil Record & Systematics

Berlin, Germany, 1997

Contact:

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Fax: 1-403-432-0149

Phone: 1-403-433-8619

Current interests: experienced preparator
and collector specializing in fishes and small
specimens generally; available for employment:
resumé and references available upon request.

Lombardo, Cristina, Dipartimento di Science
Della Terra, Via Mangiangalli, 34, I-20133
Milano, Italy

e-mail: palvert@825.gp.terra.unimi.it

Current research: started a PhD program
last year on 1) fishes from the uppermost
Ladinian of Ca' del Frate (Varese-Italy), and 2)
revision of the genus *Perleidus*.

Poyato-Ariza, Francisco José, Unidad de
Paleontología, Departamento de Biología,
Facultad de Ciencias, Universidad Autónoma de
Madrid, Cantoblanco, 28045-Madrid, Spain

Fax: 34-1-3978344

Current research: 1) phylogenetic rela-
tionships of fossil and living Gonorynchiformes
(with Terry Grande); 2) a preliminary overview
of Early Cretaceous sharks of Montsec, Lérida,
Spain (with Rodrigo Soler-Gijón); 3) a revision
of Pycnodontiformes from the Early Cretaceous
of Las Hoyas, Cuenca, Spain (with Sylvie
Wenz); 4) sexual dimorphism in a chanid from
Las Hoyas and Montsec.

Tintori, Andrea, Dipartimento di Science Della
Terra, Via Mangiangalli, 34, I-20133 Milano,
Italy

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Current research: 1) new taxa from the
Norian of north Italy; 2) trophic behaviour of
durophagous fishes and their relationships with
the paleoenvironment.

Waters, James F., Dept. of Biology, Humboldt
State Univ., Arcata, CA 95521 USA

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Current research: ostracoderms, origin of
gnathostomes, basal actinopterygians. ■

Squish Fisch Fiche: Recent Publications

Aldridge, R. J., Briggs, D. E. G., Sansom, I. J., & Smith, M. P. 1994. The latest vertebrates are the earliest. *Geology Today* (**July-August 1994**): 141-145.

Bonde, N. In press. Osteoglossids (Teleostei, Osteoglossomorpha) of the Mesozoic. Comments on their interrelationships. *In: Mesozoic Fishes - Systematics and Paleocology. Edited by Arratia, G., & Viohl, G. Verlag Dr. Pfiel, Munich.*

Case, G. R., & Cappetta, H. In press. A new selachian fauna from the Late Maastrichtian of Texas (Upperr Cretaceous/Navarroan; Kemp Clay Formation). *Munchner Geowiss. Abh.*

Cavin, L., Cappetta, H., & Seret, B. In press. Révision de *Belemnobatis morinicus* (Sauvage, 1873) du Portlandien du Boulonnais Pas-de-Calais, France. Comparaison avec quelques *Rhinobatides* jurassiques. ***Geol. et Palaeontol.***

Gerhard, U., & Mörs, T. 1991. Ergebnisse einer feinstrati-graphischen Profilaufnahme in den Plattenkalken von Schernfeld (Unteres Untertithon, Südliche Frankenalb). *Archaeopteryx*, **9**: 21-34.

Goto, M. 1994. Origin and evolution of bone. *NHK Science Special Life-four billion long travel*, **2** : 58-59. Nihon Hosho Shuppan Kyokai, Tokyo.

— **1994.** On the Palaeozoic and Mesozoic fish



Sue Turner's poster on Triassic microvertebrates at CAVEPS

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is edited and published by Mark V. H. Wilson. *TCM* is mailed to 114 People in 20 Countries. If you are already on the mailing list, keep us up-to-date with your interests and activities. To join the list or to update your entry, submit a Mesozoic Fish Tales item.

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- employment and grad school opportunities available or needed
- publications (since 1992, not listed before; reprints are greatly appreciated)

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remains from the Japanese Islands, *Monogr. Assoc. Geol. Collabora. Japan*, **43** : 1-16.

— **1994.** Another Jurassic Park – the world in the Solnhofen Limestone, South Germany. *Newton*, **14** :110-117.

Janvier, P. 1995. Conodonts join the club. *Nature*, **374** (6525): 761-762.

Long, J. A. 1995. *The Rise of Fishes.* The Johns Hopkins University Press, Baltimore, 224 pp.

Kriwet, J. 1995. Beitrag zur Kenntnis der Fisch-Fauna des Ober-Jura (unteres Kimmeridge



Researchers discuss Mesozoic Fishes at CAVEPS

der Kohlengrube Guimarota bei Leiria, middle-Portugal: 1. *Asteracanthus biformatus* n.sp. (Chondrichthyes: Hybodontoida). Berliner geowiss. Abh., **E16**: 683-691.

— & Uwe, G. 1995. Zwei mesopelagische Raubfische (Actinopterygii: Euteleostei) aus dem Unterturon der Kronsberg-Mulde bei Hannover/Misburg (NW-Deutschland). Berliner geowiss. Abh., **E16**: 335-355.

Martill, D. M., Taylor, M. A., Duff, K. L., Riding, J. B., & Bown, P. R. 1994. The trophic structure of the biota of the Peterborough Member, Oxford Clay formation (Jurassic), UK. Journal of the Geological Society, London, **151**: 173-194.

Mehrotra, D. K., & Mishra, V. P. 1995. Pre-tertiary ichthyofauna from NW Himalaya. Symposium on Recent Advances in Geological Studies of Northwest Himalaya and the foredeep; Lucknow, India, Feb. 21-23, 1995 : 78-81.

Mishra, V. P., Mehrotra, D. K., Pande, A. C., & Ali, M. D. A. 1990. A teleostean fish from the Lower Triassic of Chamba, Himachal Pradesh. J.

Palaeontol. Soc. India, **35**: 73-76.

Mörs, T. 1993. Taphonomische Beobachtungen an den Clupeiden (Teleostei, Pisces) aus den Plattenkalken von Schernfeld (Unteres Untertithon, Südliche Frankenalb, Deutschland). N. Jb. Geol. Paläont., Abh., **188** : 345-362.

Noubhani, A., & Cappetta, H. 1994. Révision des Rhombodontidae (Neoselachii: Batomorphii) des bassins à phosphate du Maroc. Palaeovertebrata, **23**: 1-49.

— & — 1995. Batoides nouveaux ou peu connus (Neoselachii: Rajiformes, Myliobatiformes) des phosphates maastrichtiens et paléocènes du Maroc. Belgian Geol. Surv., Prof. Paper, **278**: 157-183.

Poyato-Ariza, F.J. 1994a. A new Early Cretaceous gonorynchiform fish (Teleostei: Ostariophysii) from Las Hoyas (Cuenca, Spain). Occ. Pap. Mus. Nat. Hist., Univ. Kans., **164** : 1-37.

— 1995. *Ichthyemidion*, a new genus for the elopiform fish “*Anaethalion*” *vidali*, from the Early Cretaceous of Spain: phylogenetic comments. C.R. Acad. Sci. de Paris, **320** : 133-139.

— & S. Wenz. 1994b. *Naiathaelon okkidion* nov. gen. nov. sp., (Teleostei, Elopomorpha) from the Early Tithonian of Canjuers (Var, France). Geobios Mem. Sp., **16** : 157-166.

Schultze, H. P. 1994. Comparison of hypotheses on the relationships of Sarcopterygians. Systematic Biology, **43**(2) : 155-173.



Mikael Siverson attending CAVEPS in Canberra, Australia

VIII International Meeting:
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Contact:

Early Vertebrates/Lower Vertebrates
Laboratoire de Paléontologie - URA 12
8, rue Buffon
75005 Paris, France



Bob Williams discusses the Cretaceous teleost Platacodon with Joe Nelson at ASIH95

Siverson, M. 1992. Biology, dental morphology and taxonomy of lamniform sharks from the Campanian of the Kristianstad Basin, Sweden. *Palaeontol.*, **35** : 519-554.

— **1992.** Late Cretaceous *Paraorthacodus* (Palaeospinacidae, Neoselachidae) from Sweden. *J. Paleontol.*, **66** : 994-1001.

— **1995.** Revision of the Danian cow sharks, sand tiger sharks, and goblin sharks (Hexanchidae, Odontaspidae, and



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Mitsukurinidae) from Southern Sweden. *J. Vertebr. Paleontol.*, **15**: 1-12.

Wenz, S. & F.J. Poyato-Ariza. 1994c. Les Actinoptérygiens juvéniles du Crétacé inférieur du Montsec et de Las Hoyas (Espagne). *Geobios Mem. Sp.*, **16** : 203-212.

Werner, C. 1990. Biostratigraphical results of investigations on the Cenomanian elasmobranchian fauna of Bahariya Oasis, Egypt. *Berliner Geowiss. Abh.*, **A120.2** : 943-956.

Yabumoto, Y. 1994. Early Cretaceous freshwater fish fauna in Kyushu, Japan. *Bull. Kitakyushu Mus. Nat. Hist.*, **13** : 107-254. ■

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