

The Compleat Mesoangler

A Newsletter About Mesozoic Fishes

Volume 7, Number 2

December 30, 2000

Meetings Last Year and This

by Mark Wilson

Mesozoic Fishes III: Systematics, Paleoenvironments and Biodiversity Serpiano (TI-CH) —August 2001

Planning is well advanced for the next Mesozoic Fishes meeting in Serpiano. If you have not



already done so, please send the registration form (or equivalent information) found on page 3

of this newsletter to Andrea Tintori immediately, so that the organizers may plan more accurately for the expected attendance and scientific program. Further details are on page 8.

If you have never before participated in one of these meetings, you may be assured that they are scientifically stimulating, socially rewarding,

Gloria Arratia and Andrea Tintori (left) hope to see many Mesofishers at the upcoming meeting in Serpiano, Switzerland, during August, 2001. Please see the complete announcement in the previous issue of The Compleat Mesoangler, and the reminders in this issue.



Mesozoic Fish enthusiasts(right) were among those attending the very successful 9th International Early Vertebrates/Lower Vertebrates meeting in Flagstaff, Arizona, during May of 2000.

and culturally interesting. A detailed announcement appeared in the previous issue of *The Compleat Mesoangler*. See you in Serpiano!

9th International Early/Lower Vertebrates Meeting

Flagstaff, Arizona — May 2000

A very successful meeting was hosted by Dr. David Elliott and colleagues at the University of Northern Arizona, Flagstaff, during May of 2000. A remarkably diverse group of fossil fish researchers came together to discuss the early fossil records of all of the major groups of fishes, and to participate in an excellent post-meeting field excursion to Devonian vertebrate sites in Nevada and Utah (and some Mesozoic and Tertiary sites in Utah and Colorado).

10th International Early/Lower Vertebrates Meeting Brazil — 2003

The next Early/Lower Vertebrates Meeting will be hosted by Dr. Martha Richter in Brazil in 2003 (please see the news item from Susan Turner elsewhere in this issue, and the Palaeozoic Microvertebrates web site for details). These Early/Lower Vertebrates meetings have always included some subjects of interest to Mesozoic Fish workers, and there is an interesting opportunity for Mesozoic workers to join forces with Palaeozoic workers in a collaborative project, perhaps under the umbrella of the IGCP, to study biostratigraphically and biologically interesting aspects of the fossil record of fishes on both sides of the Palaeozoic/Mesozoic boundary. For example, the potential of the microvertebrate record for fishes is much less realized for Mesozoic formations than it is for Palaeozoic formations.

As a recent co-leader of an IGCP project myself (IGCP 406: Circum-Arctic Palaeozoic Vertebrates), I would like to second Sue Turner's call for interested persons to step forward. Perhaps the Serpiano meeting will be a good opportunity to make progress in this direction. ■



The
Mesozoic Fishes
Home Page

on the
World Wide Web

is at:

<http://www.biology.ualberta.ca/wilson.hp/mesofish.html>

Add a link to your personal or museum's home page, or to a file that you are allowing others to download by sending us its WWW address.

New design for the web site:

The Mesozoic Fishes Home Page was re-designed this year. Let us know if you experience problems with it. You can now submit [membership/news items](#) and [publication citations](#) via web forms.

Mesozoic Fish Tales: News from Readers

Kumazawa, Yoshinori, Assistant Professor, Department of Earth and Planetary Sciences, Graduate School of Science, Nagoya University, Furo-cho, Chikusa-ku, Nagoua 464-8602, Japan.
Email: h44858a@nucc.cc.nagoya-u.ac.jp

Yoshi would like feedback from newsletter members on his recent paper on the molecular phylogeny of osteoglossoids. (See full citation below).

Maisey, John G., Curator of Fossil Fishes,

American Museum of Natural History, New York, New York, USA.

An appeal for information and reprints. I have agreed to re-write the Chondrichthyes II volume for the Handbook of Paleichthyology. I am also compiling a data base at generic level for all chondrichthyans, living and fossil. I would therefore appreciate any information or reprints about new chondrichthyan taxa readers may have (of ANY age, not just Mesozoic), and would love to hear of anything not listed in the previous chondrichthyan volumes, or of significant range adjustments, first/last records, and new names about to appear in publications.

A **postdoctoral position** MAY be open in paleoichthyology at the AMNH in 2001. I will have more information in a couple of months!

Stahl, Barbara J. *Email:* bjstahl@anselm.edu

I'm working on still another Antarctic chimaeroid—the Cretaceous sea around that land mass was full of 'em!

Dr. Susan Turner, Australian rep UNESCO-IUGS IGCP Scientific Board; Co-leader IGCP 328 1991-1996; D.A.A.D. Visiting Professor, Univ. Hannover IGP '98-99; Oz rep. IGCP 406; Editor Ichthyolith Issues; Hon. Research Fellow, Queensland Museum, Qld Center for Biodiversity (Vert. Fossils); P.O. Box 3300, South Brisbane, Queensland 4101, Australia. *Phone:* 61 7 3840 7677; *Fax:* 61 7 3846 1918; *Email:* SueT@qm.qld.gov.au or s.turner@mailbox.uq.edu.au

Dear All,

I've had a series of inquiries and seen some postings to the list this year about fossil fishes. This is to let you know that there is help if you need to identify fossil fish that come your way.

In 1987, a group of us fish folk were in China walking the hills of Yunnan looking at the famous Silurian to Early Devonian deposits that have yielded so many unusual and important fishes. We decided to start an international research network devoted to Palaeozoic fishes, especially microfossils, and from this came two important outcomes: the UNESCO-IUGS Inter-

**MESOZOIC FISHES III - Systematics,
Paleoenvironments and Biodiversity
Serpiano 2001**

REGISTRATION FORM

Please send this by email (if possible):

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Please underline as appropriate:

Do you wish to present an oral communication?

YES NO

Provisional title (please add eventual co-authors names)

.....
Communications must last 20 minutes as a maximum, plus 10 min. for discussion.

Do you wish to present a poster?

YES NO

Provisional title (please add eventual co-authors names)

.....
Poster size cm 70x100.

Registration forms, mail, and inquiries should be sent (please, when possible, use email) to:

Prof. Andrea Tintori
Dip. Scienze della Terra
Università degli Studi di Milano
Via Mangiagalli 34
I-20133 MILANO
Phone: +39.02.23698202
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Email: andrea.tintori@unimi.it

national Geological Correlation Programmes 328 (Palaeozoic Microvertebrates) and 406 (Circum-Arctic Palaeozoic Vertebrates). Back-to-back from 1991 to 2000 these two initiatives

produced an astonishing amount of new data and ground-breaking work on the early evolution of vertebrates, including over 1500 papers and abstracts. Our latest major report has just been published (see announcement elsewhere in this issue). You can find reference to all works on our website (see below), or read about them in back issues of the SVP newsletter.

Our umbrella organization, The International Fish Microvertebrate Working Group, is a not-for-profit research network and member of the International Palaeontological Association. We are dedicated to the dissemination of scientific information on the morphology and histology of fossil fish microremains, and their use in geological and phylogenetic studies of vertebrates including paleontology, biostratigraphy, taphonomy, palaeogeography, and additional related specialties. There is no formal committee and anyone can communicate news, views and research outcomes via the newsletter, *Ichthyolith Issues*, edited by Dr. Susan Turner and based in Brisbane, Australia [ISSN-1302-13214]. We began with Palaeozoic fishes but there are now many people working on Mesozoic fishes also. Tertiary workers are equally welcome.

Our current IGCP project has just come to an end, and we are looking for new people and new ideas to continue global fossil fish investigations. One major plan is to work towards a project on Western Gondwana, as we are holding the 10th Early/Lower Vertebrates Meeting in Brazil in May 2003. (Contact Dr. Martha Richter <mrichter@puers.br>.) If anyone has an idea or inclination to find out more about the running of an IGCP project, please contact me.

All the best for 2001!

Sue Turner

Latest News: *Ichthyolith Issues* no. 20 and details of the Brazil meeting are on our web site: <http://www.biology.ualberta.ca/wilson.hp/Paleozoic.html>

NEW MEMBERS:

Averianov, Alexander, Zoological Institute, Russian Academy of Sciences Universitetskaya nab. 1, St.-Petersburg 199034 Russia. *Email:*

The Compleat Mesoangler

is edited and published by Mark V. H. Wilson. *TCM* is mailed to more than 190 people in 25 Countries. To join the list or to update your entry, submit a Mesozoic Fish Tales item:

- research interests, address changes
- news from lab or reports of fieldwork
- meeting announcements
- hints or questions on techniques or specimens
- photos of Mesozoic fishes, localities, field parties, meetings, researchers, etc.
- employment & grad school opportunities available or needed
- publications (since 1992, not listed before; reprints are greatly appreciated)

Send to:

- e-mail: mark.wilson@ualberta.ca
- FAX: 1-780-492-9234
- post: Dr. M. V. H. Wilson
Dept. of Biological Sciences
University of Alberta
Edmonton, Alberta T6G 2E9
CANADA

Next Deadline March 31, 2001

Optional contribution to defray expenses of production and mailing: \$5. U.S. per year.

sasha@AA1923.spb.edu

Interests: Mesozoic sharks and chimaeras.

Capasso, Luigi, Laboratorio di Antropologia del Ministero dei Beni Culturali e Ambientali, Via Arniense 162, I -66100 Chieti, Italy. *and* Università degli Studi G. D'Annunzio, Via dei Vestini, 66013 Chieti, Italy.

Interests: I am a medical doctor working in Anthropology with an academic position in Forensic Anthropology. My hobby is paleontology of fishes, as one of my ancestors, Gregorio Capasso, was a paleontologist and actively worked in the Regno delle dur Sicilie in cooperation with the famous Oronzo Gavriale Costa on the deposit of Pietraraja, Southern Italy, extracting many fossil fishes now at the University Museum at Naples. I recently have become involved in some research on fossil fishes (a new Tertiary pycnodont from Northern

Italy) and published a very short history of paleoichthyology in Italy.

González-Barba, Gerardo, Calle del Pirata # 430, Fraccionamiento Juarez, 23090, La Paz, Baja C.Sur, México. *Phone*: (112) 5 55 84; *Fax*: (112) 8 08 01, *Email*: gerardo@uabcs.mx

University Address:

Departamento de Geología Marina, A.I. de Ciencias del Mar, Universidad Autónoma de Baja California Sur, Apartado postal # 19 B, 23080 La Paz, B.C.S., Mexico

Interests: I am working on Cenozoic chondrichthyans from the Baja California Peninsula, Mexico, for my Master of Science thesis. Also, I am researching Cretaceous chondrichthyan specimens.

Chavez Anticona, Jamer Nelson, San Francisco mz. 12 lt.1, Florencia de Mora, Trujillo, Peru. *Phone*: 485-0993, *Email*: hialine@usa.net

Interests: I am interested in the Mesozoic Period of South America.

Paredis, G .J. H., Pieter Van Isackerlaan 5, B-2100 Deurne-Antwerp, Belgium. *Phone*: +32 3 366 53 02; *Email*: gparedis@capgemini.be

Interests: I am interested in determining and preparing collected specimens of the Cenomanian fish beds of Haqel in Lebanon.

Valkaniotis, Sot., KORONIDOS 9
42100, TRIKALA GREECE. *Email*:
geologos2000@yahoo.com

Interests: I am interested in the search for Mesozoic fish fauna in the Pindos Ocean, of Tethys (late Triassic-late Cretaceous).

Mesozoic Fishes III (2001)

Systematics, Paleoenvironments and Biodiversity

Serpiano, Switzerland

Meeting Organizers:

Andrea Tintori <andrea.tintori@unimi.it>

Markus Felber, Heinz Furrer

Popov, Evgeny, Scientific Research Geological Institute, Saratov State University, 83 Astrakhanskaya Str., Saratov 410026, Russia. *Fax*: +7 8452 508624, *Email*: PopovEV@info.sgu.ru

Interests: Mesozoic sharks and chimaeras.

ADDRESS UPDATES:

Cuny, Gilles, As some of you may already know, I am leaving Bristol at the beginning of January. I shall be at the Geological Museum in Copenhagen until the beginning of February, then I shall go to Thailand to take an eight months lectureship at the University of Mahasarakham. My new address will be:

Dr. Gilles Cuny, Department of Biology, Faculty of Science, Mahasarakham University, Khamrieng District, Mahasarakham 44150, Thailand. *Phone*: (043) 712 - 041; *Fax*: (043) 712 - 041; *Email*: (for now) gilles.cuny@expatries.org or cunyg@netscape.net

Ward, David J., 81 Crofton Land, Orpington, Kent, England, BR5 1HB United Kingdom. *Phone*: +44 1689 871 565, *Fax*: +44 1689 823 697, *Email*: david@fossil.es

Interests: I am interested in all aspects of fossil sharks, and I have published on a few. ■

Squish Fisch Fiche: Recent Publications

Benton, M. J. 2000. The Phylocode is coming: Look out! *IN*: Abstracts of The 44th Annual Meeting of the Palaeontological Association, 17th-20th December, 2000. Palaeontological Association Newsletter **45**:7.

Capasso, L. 2000. Storia della Paleontologia Italiana. *Atti Mus. Civ. Stor. Nat. Trieste* **48**:251-260.

Capasso, L. 2000. *Tergestia sorbinii* Gen. No., sp. nov., del Paleocene Inferiore di Trebiciano, Trieste (Pisces, Pycnodontiformes). *Atti Mus. Civ. Stor. Nat. Trieste* **48**:261-289.

Timing of Early Vertebrate Evolution

Blieck, A., and Turner, S. (eds.) 2000. **Palaeozoic Vertebrate Biochronology And Global Marine/Non-Marine Correlation - Final report of IGCP 328 (1991-1996)**. Courier Forschungs-Institut Senckenberg # 223, Frankfurt am Main, Germany. 575 pp., 140 figs, 29 tables, 37 plates, 50 authors, 25 papers; ISBN 3-929907-65-8.

This volume, published as a special issue of Courier Forschungs-Institut Senckenberg, contains results obtained during the 6 years of the International Co-operative Geological Research Project UNESCO-IUGS IGCP 328: Palaeozoic Microvertebrate Biochronology and Global Marine/Non-Marine Correlation (1991-1996).

To obtain your copy, please contact the editor of CFS: Dr. P. Königshof, Forschungs-Institut Senckenberg, Senckenberganlage 25, D-60325 Frankfurt a.M., Germany. Email <pkoenigs@sng.uni-frankfurt.de>.

Chhabra, N. L., & Mishra, V. P. 1999. Microvertebrate fauna from the Kalapani Limestone (Late Scythian-Early Carnian), northern Kumaun, Tethys Himalaya. *Biological Memoirs* **25**(3):84-89.

Dietze, K. 2000. A revision of paramblypterid and amblypterid actinopterygians from Upper Carboniferous - Lower Permian lacustrine deposits of central Europe. *Palaeontology* **43**(5):927-966.

Ferraris, Jr., C. J., & Eschmeyer, W. N. 2000. Book Review: International Code of Zoological Nomenclature, by International Commission on Zoological Nomenclature. *Copeia* **2000**(3):907-908.

Hovestadt, M., Hovestadt, D., & Smith, R. 1983. A contribution to the fish fauna of the Belgian Palaeocene: a review of *Notidanodon*

loози (Vincent 1876). *Tertiary Research* **5**(2):71-79.

Kriwet, J. 2000. Revision of *Mesturus cordillera* Martill et al., 1998 (Actinopterygii, Pycnodontiformes) from the Oxfordian (Upper Jurassic) of northern Chile. *Journal of Vertebrate Paleontology* **20**(3):450-455.

Kriwet, J., Poyato-Ariza, F. J., & Wenz, S. 1999. A revision of the pycnodontid fish *Coelodus subdiscus* Wenz 1989, from the Early Cretaceous of Montsec (Lleida, Spain). *Treballos del Museo de Geologia de Barcelona* **8**: 33-65.

Kumazawa, Yoshinori, & Nishida, Mutsumi. 2000. Molecular phylogeny of osteoglossoids: a new model for Gondwanian origin and plate tectonic transportation of the Asian arawana. *Molecular Biology and Evolution* **17**(12):1869-1878.

Maisch, M. W., & Lehmann, J. 2000. *Tselfatia formosa* Arambourg, 1943 (Teleostei) from the Upper Cretaceous of Lower Saxony (Northern Germany). *N. Jb. Geol. Paläont. Mh.* **2000**(8):499-512.

Maisey, J. G. 1997c. Distribution patterns among Early Cretaceous fishes of western Gondwana. p. 38. *IN: II Simpósio sobre a bacia do Araripe e bacias interiores do nordeste, Crato, Ceará. Abstracts Volume.*

Maisey, J.G. 1999. The supraotic bone in neopterygian fishes (Osteichthyes, Actinopterygii). *American Museum of Natural History Novitates* No. **3267**:1- 52.

Maisey, J. G. 1999. A stem chondrichthyan braincase and its phylogenetic significance. *Journal of Vertebrate Paleontology* **19**(3):61A.

Maisey, J. G. 1999. Review: The Origin of Animal Body Plans: a Study in Evolutionary Developmental Biology, by W. Arthur. *Cladistics* **15**:437-438.

Maisey, J. G., & Anderson, M. E. 2000. *Pucapampella* (Chondrichthyes) braincase from South Africa. p.15. *IN: 9th International Symposium on Early Vertebrates/Lower Vertebrates,*

Flagstaff, U.S.A., Program and Abstracts.

Maisey, J. G., Arai, M., & de Melo, J. H. G. 1997. First low latitude deep water fossil record of hexanchoid sharks from the Vraconian (uppermost Albian, Lower Cretaceous) of the Campos Basin, offshore southeastern Brazil. *Ann. Acad. Bras. Cienc.*, **69**(1):141-142.

Maisey, J. G., Campos, D. A., & Kellner, A. W. A. 1999. A new specimen of *Obaichthys* (Lepisosteidae) from the Romualdo Member (Albian), Santana Formation, Northeast Brazil. *Bol. Res. XVI Congr. Paleont.* 1999:62-63.

Maisey, J. G., & Colbert, M. 2000. The skeletal labyrinth in some extinct chondrichthyans, and implications for the evolution of low-frequency directional phonoreception in elasmobranchs. pp.15-16. *IN: 9th International Symposium on Early Vertebrates/Lower Vertebrates*, Flagstaff, U.S.A., Program and Abstracts.

Maisey, J. G., & de Carvalho, M. S. S. 1998. Early Cretaceous freshwater actinistians from interior of Brazil. *Journal of Vertebrate Paleontology* **18**(3):32A.

Reis, R. E. 2000. Book Review: Catalog of Fishes, edited by William N. Eschmeyer. *Copeia* **2000**(3): 904-906.

Stahl, B. J., & Chatterjee, S. 1999. A Late Cretaceous chimaerid (Chondrichthyes, Holocephali) from Seymour Island, Antarctica. *Palaeontology* **42**(6): 979-989.

Taverne, L. 2000. Révision du genre *Martinichthys*, poisson marin (Teleostei, Tselfatiiformes) du Crétacé Supérieur du Kansas (États-Unis). *Geobios* **33**(2): 211-222.

Taverne, L. 2000. Ostéologie et position systématique du genre *Plethodus* et des nouveaux genres *Dixonanogmius* et *Pentanogmius*, poissons marins du Crétacé (Teleostei, Tselfatiiformes). *Biol. Jaarb. Dodonae* **67**(1): 94-123.

Taverne, L. 2000. Nouvelles données ostéologiques et phylogénétiques sur *Palaeonotopterus greenwoodi*, notoptéridé (Teleostei, Osteoglossomorpha) du Cénomanién

Mesozoic Fishes 2: Systematics and Fossil Record

Proceedings of the international meeting in
Buckow, Germany, 1997.

Arratia, G., Schultze, H.-P. (Editors). 1999.
München, Deutschland, Verlag Dr.
Friedrich Pfeil. 604 pp.

Based on papers presented at the Proceedings of the international meeting on Mesozoic Fishes, Buckow, Germany, in 1997. Phylogenetic relationships of chondrichthyans and actinopterygians are the central issue. In addition, attention is given to questions of morphology and to the Mesozoic fossil record in a variety of countries. The new information is contained in 31 papers. 604 pp., 303 figs., 30 tables, 4 plates. 24.5 X 17.3 cm. Bound copies: ISBN 3-931516-48-2. USA \$182.50.

Ask for order form from:

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Email: 100417.1722@compuserve.com

inférieur continental (Crétacé) du Maroc. *Stuttgarter Beiträge zur Naturkunde Serie B (Geologie und Paläontologie)*, **293**: 1-24.

Taverne, L., & Chanet, B. 2000. *Faugichthys loryi* n. gen., n. sp. (Teleostei, Ichthyodectiformes) de l'Albien terminal (Crétacé inférieur marin) du vallon de la Fauge (Isère, France) et considérations sur la phylogénie des Ichthyodectidae. *Geodiversitas* **22**(1): 23-34.

Wilson, M. V. H. 2000. Book Review: The Biology of Hagfishes, edited by Jørgen M. Jørgensen, Jens P. Lomholt, Roy E. Webers, and Hans Malte. *Copeia* **2000**(3): 908-911. ■

MESOZOIC FISHES III

Systematics, Paleoenvironments and Biodiversity

Serpiano (TI-CH) — 26-31 August 2001

More than 70 researchers have sent their preliminary registrations, covering all aspects of Mesozoic Fishes.

The meeting will start on August 26 with registration and likely a first event in the afternoon. Oral communications will be 25 minutes including discussion, in five days of scientific sessions. Short excursions are programmed to visit nearby localities and local museums with collections of fossil from the Besano - Monte San Giorgio area. The social dinner will be on the top of the Monte Generoso (1700 m. a.s.l.), but in a restaurant! A visit to a cave bear excavation in a cave is included.

Visa: If you need visa(s) they should be for multiple entrances of both Italy and Switzerland (which is not part of the E.U.). If you need an official invitation, please ask as soon as possible.

Accommodation is at the Hotel Serpiano, near the top of Monte San Giorgio. There is no other possibility of accommodation, so send your final registration as soon as possible. Organizers will book for you (one day deposit is asked).

The special price for our meeting is SFr 105.00/day for bed in double room (single room add SFr 20.00), breakfast, and lunch. We hope that most of the dinners will be offered by local communities, museums or other sponsors.

Travel: You can use Milano-Malpensa or Lugano-Agno airports or, if you come by train, Lugano or Chiasso stations. More details are in the full second circular (see Mesofish web site).

Abstracts: Abstracts should be sent, by e-mail if possible, to andrea.tintori@unimi.it as attached files in MS-Word format. Each abstract must not exceed one page (single line spacing, type face Times New Roman 12). Only line-drawings will

be accepted. Please specify whether the abstract is for an oral presentation or a poster.

Proceedings: As for the previous two meetings, Verlag Dr. F. Pfeil will publish the proceedings. Andrea Tintori and Gloria Arratia will be the editors. Please follow the guidelines for the previous volumes or ask for them directly from Friedric Pfeil 100417.1722@compuserve.com. All authors are kindly requested to make their papers as brief as possible.

Fees: Delegate	SFr	200.00
Student and accompanying people	SFr	140.00
Social dinner	SFr	65.00
Hotel deposit	SFr	105.00
		(125.00 single room)

Attendant and student fee includes: abstract book, excursion guides, coffee-breaks, transportation for excursions, swimming pool and fitness center access.

Accompanying people fee includes: coffee-breaks, transportation for excursions, swimming pool and fitness center access.

Social dinner includes: transportation, cave entrance fee and 'Ticino Dinner'.

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Deadlines: Registration fee and hotel deposit May 15, 2001; Abstracts May 1, 2001; Manuscripts August 31, 2001.

A third circular will be sent in June 2001 to all people who have registered. ■