



December 2001 no. 21

# Ichthyolith Issues



News and views on Palaeozoic vertebrate microfossils



ISSN 1032-1314

Edited by Susan Turner

**THE ICHTHYOLITH SOCIETY (provisional name)**  
**INTERNATIONAL FISH MICROVERTEBRATE WORKING GROUP**

IGCP NEWSLETTER: IGCP 421, 471

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TAXONOMIC DISCLAIMER

This publication is not deemed to be valid for taxonomic purposes [see Article 8b in the International Code of Zoological Nomenclature 3rd Edition (1985), eds W.D. Ride et al.].

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## **EDITORIAL**

Year 2000 proved a busy year especially for IGCP 406: Circum Arctic Paleozoic Vertebrates. the last active. International meetings were held at Flagstaff, northern Arizona, USA and in Syktyvkar, Timan, Russia with associated field trips. Symposium abstracts were published as *Ichthyolith Issues* Special Publication no. 6. At the UNESCO-IUGS Board meeting in February 2001, IGCP 406 was awarded highest status and the final report provided was flagged as a model for others. In the pipeline are volumes on Severnaya Zemlya (in *Geodiversitas*) and the Flagstaff meeting was published as a special volume of Journal of Vertebrate Paleontology edited by David Elliott.

I must extend my apologies to all especially librarians as this issue is long overdue It has been over 18 months since I produced the last issue - partly this was a consequence of my 6 months sojourn overseas teaching at the University of Hannover which took most of a year in returning to "normal" and partly from the necessity for me to concentrate on my own research. A subsequent back operation in 2000 also led to a complete rethink. This issue is therefore an attempt to "catch up". It will be followed by two more, one with publications and reports and one with news and articles.

Please write if you feel I have "lost" any news you were hoping to see by now or in this issue AND if you feel that the Issues is still a useful mode of disseminating information and ideas. Reports, references, and important news about meetings continue to be found on our and other WWW sites. If you do not have access to the internet please contact me if you need reference lists etc. To save space I have sent the full 1998 and 1999 reports to our web page.

Please continue to support this newsletter with articles, news and if possible, subscriptions/exchanges. Thanks again to all for continuing input and especially for sending reprints, donations and subscriptions - please keep them coming! Credit card facilities are still available (see subscription form on back page). These contributions are greatly appreciated to keep producing the newsletter. Some have asked why we can't go completely electronic but that will not satisfy the need for hard copies for libraries and people without computer access. In addition I put in many hours of production on an issue and now that I have no income the issues is one of my few sources of revenue. If all those who were able did pay a subscription or donate it would make life a lot easier as our new tax system in Australia has increased prices significantly in the last year. That plus budget cuts in the museum puts the onus on me to subsidize photocopying and postage.

Please contact me, Dr Sue Turner at the Queensland Museum (preferably send disc or by email, please - ASCII, Word preferred). Fax: 617 3846 1918 or send by e-mail to: <[SueT@qm.qld.gov.au](mailto:SueT@qm.qld.gov.au)>

**ICHTHYOLITH ISSUES AND IGCP 406 ON THE WORLD WIDE WEB**

Our World Wide Web page:

<http://gause.biology.ualberta.ca/wilson.hp/Paleozoic.html>

# Palaeozoic Vertebrate Biochronology and Global Marine / Non-marine Correlation Final Report of IGCP 328 (1991-1996)

A. BLIECK & S. TURNER editors

Contents – published 2000 in *Courier Forschungsinstitut Senckenberg* **223**, 575pp

BLIECK, A. & TURNER, S.: IGCP 328: Palaeozoic Microvertebrates final scientific report — Introduction.- 21 + 76 p., 4 text-figs, 2 tables, include. list of referees and IGCP 328 final publication list 1991.

## Early Palaeozoic

TALIMAA, V.N.: Significance of thelodonts (Agnatha) in correlation of the uppermost Ordovician to Lower Devonian of the northern part of Eurasia.- 8 p., 7 tables.

MÄRSS, T.: Silurian vertebrate studies during 1990-1996.- 20 p., 3 text-figs.

TURNER, S.: New Llandovery to early Pridoli microvertebrates including Early Silurian zone fossil, *Loganellia avonia* nov. sp., from Britain.- 32 p., 8 text-figs, 5 tables, 6 plates, + 11 p. appendix of localities.

SOEHN, K.L., MÄRSS, T., HANKE, G.F. & WILSON, M.V.H.: Preliminary vertebrate biostratigraphy of the Avalanche Lake sections (Wenlock, Silurian), southern Mackenzie Mountains, N.W.T., and review of northwestern Canadian vertebrate localities of Silurian age.- 30 p., 3 text-figs, 1 plate.

BLOM, H.: Silurian vertebrates from North Greenland.- 6 p., 2 text-figs.

ZHU Min & WANG Jun-qing: Silurian vertebrate assemblages of China.- 9 p., 1 text-fig., 2 tables.

BURROW, C.J. & TURNER, S.: Silurian vertebrates from Australia.- 12 p., 3 text-figs.

VERGOOSSEN, J.M.J.: Acanthodian and chondrichthyan microremains in the Siluro-Devonian of the Welsh Borderland, Great Britain, and their biostratigraphical potential.- 25 p., 1 text-fig., 2 tables, 4 plates.

BASDEN, A., BURROW, C., HOCKING, M., PARKES, R. & YOUNG, G.: Siluro-Devonian microvertebrates from southeastern Australia.- 40 p., 12 text-figs.

## Devonian: Old Red Sandstone Continent

BLIECK, A. et al.: Biostratigraphical correlations of Early Devonian ichthyofaunas of the Old Red Sandstone Continent.- 48pp, 15 text-figs, 1 pl.

VALIUKEVICIUS, J.J. & KRUCHEK, S.: Acanthodian biostratigraphy and interregional correlations of the Devonian of the Baltic States, Belarus, Ukraine, and Russia.- 21 p., 10 text-figs.

ELLIOTT, D.K., JOHNSON, H.G., CLOUTIER, R., CARR, R.K. & DAESCHLER, E.B.: Middle and Late Devonian vertebrates of the western Old Red Sandstone Continent.- 34 p., 3 text-figs, 1 table.

MARK-KURIK, E.: The Middle Devonian fishes of the Baltic States (Estonia, Latvia) and Belarus.- 25 p., 4 text-figs, 3 tables.

GINTER, M. & IVANOV, A.: Stratigraphic distribution of chondrichthyans in the Middle and Upper Devonian of the East European Platform margin.- 27 p., 2 text-figs, 2 plates.

ESIN, D., GINTER, M., IVANOV, A., LEBEDEV, O., LUKSEVICS, E., AVKHIMOVICH, V., GOLUBTSOV, V. & PETUKHOVA, L.: Vertebrate correlation of the Upper Devonian and Lower Carboniferous on the East European Platform.- 22 p., 12 text-figs.

## Devonian: China

ZHU Min, WANG Nian-zhong & WANG Jun-qing: Devonian macro- and micro-vertebrate assemblages of China.- 14 p., 2 text-figs.

ZHU Min: Catalogue of Devonian vertebrates in China, with notes on bio-events.- 16 p., 4 text-figs.

BURROW, C.J., TURNER, S. & WANG Shi-tao: Devonian microvertebrates from Longmenshan, Sichuan, China: taxonomic assessment.- 88 p., 10 text-figs, 1 table, 14 plates.

## Devonian: Gondwana

YOUNG, G.C. & TURNER, S.: Devonian microvertebrates and marine/non-marine correlation in Eastern Gondwana.- 18 p., 5 text-figs.

LONG, J.A. & TRINAJSTIC, K.M.: An overview of the Devonian microvertebrate faunas of Western Australia.- 22 p., 2 text-figs, 1 table, 3 plates.

TURNER, S., BASDEN, A. & BURROW, C.J.: Devonian vertebrates of Queensland.- 32 p., 12 text-figs, 3 tables, 4 plates + appendix 7 p.

JONES, R.K., TURNER, S. & FORDHAM, B.G.: Late Devonian fauna from the Columbine Sandstone (Coffee Hill Member), Gap Creek, central New South Wales.- 22 p., 9 text-figs, 2 plates.

## Carboniferous and Permian

SCHNEIDER, J.W., HAMPE, O. & SOLER-GIJÓN, R.: The Late Carboniferous and Permian: aquatic vertebrate zonation in southern Spain and German basins.- 25 p., 7 text-figs, 2 tables.

ZAJIC, J.: Vertebrate zonation of the non-marine Upper Carboniferous-Lower Permian basins of the Czech Republic.- 9 p., 6 text-figs.

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# International Palaeozoic Microvertebrate Group 2002-2003

## IMPORTANT ANNOUNCEMENT

### **Decline of Palaeontology at Museum fuer Naturkunde, Berlin**

In early May, an Expert Commission built up to determine the future of the Museum fuer Naturkunde in Berlin deemed that:

**"Regarding the professorship of paleontology, the problem arises that this subject as such has no scientific autonomy** but derives from the objects it studies, namely fossils, and from the way it works, namely by expeditions and preparation techniques. Apart from that, there is no specific need to separate paleontology and the other areas of biology, as it horizontally covers the fossilized forms of zoology and botany, while providing a time dimension to evolution. It would, therefore, be better to base the subject of the professorship on the general research profile of the Museum, namely the study of systematics and evolution based on collections, and appoint a professor of Systematics and Biogeography (including molecular aspects). This would also bring in a hitherto-lacking theoretical approach to the area."

Consequently, and as recommended by the Expert Commission to the President of this University, the Institute of Paleontology at the Museum fuer Naturkunde may disappear.

I was awarded the position of Professor of Paleozoology and Director of the Institute for Paleontology, at the Museum fuer Naturkunde of the Humboldt Universitaet in Berlin, in the summer of 1994. My desired objective (and that of the University administration at that time) was to develop an internationally acclaimed program at the Institute, after 45 years of post-Second World War social and economical constrictions.

Although the economical support once promised by the University administration upon acceptance of my position has gone on unfulfilled, I have employed a staff that is comprised of 15 professional scientists (professors and curators) and approximately 45 individuals (technical personnel, Emeritus scientists, research assistants, and graduate students). All positions are nationally and internationally advertised, allowing the University to acquire highly qualified and internationally recognized German and foreign professionals.

In the last eight years, the Institute of Paleontology has expanded and evolved: To name a few, we branched our research to include collaborative national and international efforts, created professional academic training programs for researchers abroad (e.g., Argentina, China, Mongolia, Spain, Switzerland), and organized national and international meetings, conferences, and special symposia in Berlin and abroad (e.g., Mesozoic Fishes; IPC Sydney: Pelagic ecosystems through time) to further the study of paleontology.

Included here are the major contributions that the Institute fuer Paleontology has contributed to the Museum fuer Naturkunde of the Humboldt Universitaet, Berlin:

#### **Research**

❖ Original research in the fields of systematics in paleobotany, invertebrate and vertebrate paleontology is an important role of the Institute. In addition, the Institute covers the applied side of paleontology (which is not covered by the Institute of Systematic Zoology) such as

biostratigraphy, paleoclimatology, taphonomy, and biofacies analysis. In the last few years, ❖ 360 papers and 224 abstracts were published in international scientific journals, alongside six published books.

❖ National and international postdoctoral research fellows supported by national (e.g., DAAD, DFG: German Science Foundation) and international (e.g., A. von Humboldt Foundation, Argentinian Scientific and Technological Research Commission, Chinese Academy of Sciences, Fulbright, Max Planck Foundation, Spanish Ministry of Education) institutions contribute to the research activities of the Institute.

❖ We created a scientific journal, *Mitteilungen aus dem Museum fur Naturkunde in Berlin, Geowissenschaftliche Reihe*, was initiated and four volumes have already been published and distributed.

❖ The participation of 20 countries in the active and productive group, Mesozoic Fishes, (developed by one member of our staff, G. Arratia) has produced three international meetings and two books (with a third one in preparation).

❖ Collaborative research projects in Vertebrate paleontology include national and international contributions with Argentina, Australia, the Baltic States, Brazil, Canada, Chile, China, England, France, India, Italy, Mongolia, Poland, Russia, Spain, Tanzania, and the USA.

❖ Collaborative research projects in Invertebrate paleontology include national and international contributions with Argentina, Australia, Chile, Hungary, Iran, Japan, Mexico, Morocco, Russia and Tanzania.

❖ Collaborative research projects in Paleobotany include international contributions with Bulgaria, Greece, and Sweden.

❖ Members of our staff are editors and/or belong to the editorial board of books and international journals.

### **Collections and Curation**

It is estimated that our Institut holds roughly four million fossils, several thousands of which are type and illustrated specimens. These are permanent collections and are currently in the process of being electronically catalogued.

### **Education**

Staff members of the Institute are involved in the Graduate College Program Evolutive Transformationen und Faunenschnitte which has been positively evaluated by the German Science Foundation (DFG) in 2001 with a recommendation to emphasize the importance of Paleontology.

The professors and curators of this program instruct students of various fields, including the Department of Biology at the Humboldt University, the Department of Geology at the Potsdam University, the Department of Paleontology at the Freie University Berlin, and in the technical schools of Berlin.

### **Honors and Awards**

Gloria Arratia, one of our staff members, was awarded the Humboldt Prize for her contribution to the field of Paleontology, as well as honored as Honorary Member of the Society of Ichthyologists and Herpetologists of the U.S.A. (the largest society in these fields). She has also been nominated as a Member of the Academy of Sciences of Chile.

As documented, the Institute of Paleontology is an active and invaluable entity to the scientific community. Paleontological specimens (e.g. dinosaurs of Tendaguru, *Archaeopteryx*, etc.) are the heart of Museum exhibits that generate interest and appreciation to the general public and to the advancement of scientific interest. The statements of the Expert

Commission to the President of the Humboldt University, concerning paleontology, will generate not only overall irreversible repercussions to the study of paleontology but are globally symbolic of the future changes to other fields of study deemed to have "no scientific autonomy."

I ask you and the members of your institution to write letters in support of paleontology and the Institute of Paleontology, so that this field of study may continue to survive and thrive. **The Humboldt University wants to settle this matter swiftly and hurriedly, so time is of essence.**

**Please fax and/or email your support to the following German authorities listed here.**

Thanking each and everyone of you for your collaboration and support.

Sincerely,

Hans-Peter Schultze

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An den  
Regierenden Bürgermeister  
Klaus Wowereit  
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Then read

**Palaeontology Essential**

William I. AUSICH 2000. Bones in the Ivory Tower . Geotimes October, 18-21  
[\[www.geotimes.org\]](http://www.geotimes.org)

He maintains that palaeontology is an essential ingredient for a healthy university (or museum for that matter); that every faculty with 3 or more should have one with palaeontological or stratigraphy background; that palaeontology is the only discipline that introduces patterns and processes of the biosphere through geologic time.

# MEETINGS



BALTIC STRATIGRAPHIC ASSOCIATION  
**5<sup>TH</sup> BALTIC STRATIGRAPHIC CONFERENCE**  
**"BASIN STRATIGRAPHY - MODERN METHODS AND PROBLEMS"**  
**Vilnius, Lithuania, September 22 – 27, 2002**

## SECOND CIRCULAR

Thank for your response to our first announcement. Almost 100 scientists from the different European countries pre-registered for the participation and presentation both oral and poster papers, that promises interesting and useful discussion during the Conference.

### Venue

The 5<sup>th</sup> Baltic Stratigraphic Conference will be held in Vilnius, September 22 - 27, 2002 at the Institute of Geology (T. Sevcenkos str., 13) and Vilnius University (M.-K. Ciurlionio, 21/27).

### Dates

The Conference, including post-conference field trip, would be held on September 22-27, 2002.

The Conference will start in Vilnius September 22 (Sunday) with the registration at the Institute of Geology (Sevcenkos street 13, Vilnius, Lithuania). The Conference Office will be opened for registration 02.00 p.m. – 05.00 p.m. on Sunday, September 22 and 08.00 a.m.-10.00 p.m. during September 23-24 in the Institute of Geology.

The Conference will end at September 25 (Wednesday) at the Institute of Geology. Post-conference field trip would take part on September 26-27.

### Organisers

The Conference is held under the auspices of the Lithuanian Commission of Stratigraphy and Baltic Stratigraphical Association, Lithuanian Academy of Sciences sponsored by Geological Survey of Lithuania, Lithuanian Institute of Geology and Vilnius University.

### Organising Committee

**Chairman:** Prof. Habil. Dr. Tadas Jankauskas (Vilnius University)

**General Secretary:** Dr. Jurga Lazauskiene (Geological Survey of Lithuania)

**Members:**

Prof. Habil. Dr. Algimantas Grigelis (Lithuanian Academy of Sciences);

Dr. Jonas Satkunas, Jolanta Cyziene (Geological Survey of Lithuania);

Dr. Grazina Skridlaite, Dr. Vaida Seiriene, Dr. Petras Sink\_nas, Dr. Juozas Valiukevicius, Jonas Seckus, (Institute of Geology).

Dr. Assoc.Prof. Antanas Brazauskas, Dr. Assoc. Prof. Petras Musteikis, Prof. Habil. Dr. Juozas Paskevicius, Sigita Radzevicius (Vilnius University).

### **Scientific Programme Committee**

Prof. Habil. Dr. Algimantas Grigelis (Lithuanian Academy of Sciences);  
Prof. Habil. Dr. Tadas Jankauskas (Vilnius University);  
Dr. Jurga Lazauskiene (Geological Survey of Lithuania).

### **Secretariat**

Jolanta Cyziene (Geological Survey of Lithuania), Jonas Seckus, (Institute of Geology),  
Sigita Radzevicius (Vilnius University).

### **Conference Proceedings**

Scientific contributions (talks and posters) can be submitted as manuscripts. Referred and accepted papers will be published in a special volume of *Geologija* after the conference. (*Geologija* is the journal of the Vilnius University, Lithuanian Science Academy, Institute of Geology, Geological Survey of Lithuania, dealing with regional geology, palaeontology, stratigraphy, lithology, geotectonics etc. The volume of one issue comprises 5-6 printing sheets. The scientific contributions to the journal are reviewed and evaluated by experts from different countries). The manuscript must be prepared in accordance to the instructions for authors, available on the website: <http://www.geologin.lt> and at the conference office or from the editor. The length of contributions is limited to 11 pages. They must be submitted **until January 1, 2003**.

### **Field trips**

A one day **Well Core Studies Workshop** is planned on **Wednesday, 25 September** in the core storage in Vievis, located at 28 km to the south from Vilnius.

The workshop starts from the Geological Survey of Lithuania by bus at 8.00 a.m.  
Meeting point: main entrance of Geological Survey of Lithuania (Konarskio 35, Vilnius).  
The workshop will end in the afternoon of the same day in Vilnius.  
Topic: Reference sections of Lower Palaeozoic succession of Lithuania – Kurtuvenai-161; Vilkaviskis-128 /130; Devonian section – reference wells Visaginas-5/Schedai-3, Lygumai-45.

**Note:** The core workshop would be organised according the interests of participants. Therefore, **please, specify what particular systems/sections/rocks etc. you are interested in.**

For more information please **contact:**

Ass. Prof. Antanas Brazauskas, Vilnius University,  
Ciurlionio 21/27, LT-2009, Vilnius, LITHUANIA  
Tel: +370 2 335491; Fax: +370 2 333 844 ; E-mail: antanas.brazauskas@gf.vu.lt

The **Post-conference Palaeozoic bus Field trip on September 26-27** is planned to cover the most important sites of Palaeozoic rocks and Quaternary deposits in the central and northern Lithuania.

The excursion starts from the Institute of Geology the at 8.00 a.m. on Thursday, September 26.

Meeting point: main entrance of the Institute of Geology (Sevcenkos 13, Vilnius)  
The field trip of the first day will end in the evening in Pakruojis or Siauliai.



Topic: Neogene/Early Pleistocene alluvial/lacustrine deposits (stratigraphical boundary) in Daumantai outcrop, the landscapes and forms of last glaciation; the Upper Devonian Sventoji Formation sandstone outcrops along Pelysa river (Eriskes surroundings), Upper Devonian dolomites of Stipinai and Pamusis Regional Stages in Petrasionai and Klovainiai quarries (Pakruojis district), dolomites of Upper Devonian Zagare Regional Stage in Skaistgiris quarry and outcrops of Zagare Formation (Joniskis district), Upper Permian limestone with fauna of Naujoji Akmene Formation in Karpenai quarry, historical and cultural sightseeing.

For more details please **contact:**

For more details please contact Ass. Prof. Petras Sinkunas, Institute of Geology, T. Sevcenkos, 13, LT-2600, Vilnius, LITHUANIA; Tel: +(370 2) 235214, 236506; Fax: +(370 2) 236710.

**Note:** Return back to Vilnius **September 27 (Friday) late in the evening – around 22 p.m.**

Participants, attending the field excursion, have to make separate arrangements at the Hotel they stay in Vilnius, not to pay for the night 26 September 2002.

### **Climate**

The climate during autumn in Lithuania may be temperate (about +17°C), but cooler conditions - including rain showers - must be considered.

### **Presentations**

Place of sessions and language

The sessions will be held at the Institute of Geology (Sevcenkos 13, Vilnius) and Vilnius University (M.K. Ciurlionio 21/27, Vilnius).

The language of the Conference is English. Oral and poster presentations are encouraged and will carry equal weighting.

The time for presentations will be 15 minutes +5 minutes for discussion.

There will be one slide projector, two overheads and equipment for Power Point presentations. Please, inform us if you plan to give a Power Point presentation.

The common Poster Session would be held at the Institute of Geology, where posters will be displayed in the lecture hall and in the lobby of the Institute of Geology.

Also, posters have to be presented during the Sessions in Sections, where each poster would be introduced by 5 minutes long talk.

Posters should not exceed the standard DIN A0 size.

### **Registration and fees**

**Final registration:** please, **confirm** your intentions to attend the Conference and Field trip **before August 15, 2002.**

**Payments** should be made in advance or during the registration in Vilnius. The reduced **early registration** fee must reach us not later than **April 30 [NB. apology for lateness of Ichthyolith Issues on this point - ed.]**.

### **Website of the conference**

The second circular and additional information are also available from the website of the conference: <http://www.lgt.lt/>

Please send correspondence to:

General Secretary  
Dr. Jurga Lazauskiene  
Geological Survey of Lithuania  
S.Konarskio 35, Vilnius, LT- 2009,  
Lithuania  
e-mail: [jurga.lazauskiene@lgt.lt](mailto:jurga.lazauskiene@lgt.lt)  
tel.: +370-2-33 46 42  
fax: +370-2-33 61 56

Chairman  
Prof. Habil. Dr. Tadas Jankauskas  
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M.-K.Ciurlionio, 21, Vilnius, Lithuania  
e-mail: [sadat@geologin.lt](mailto:sadat@geologin.lt)  
tel.: +370-2-33 54 91  
fax: +370-2-33-38-44

### Relevant Poster Presentations

1. Antoshkin, A.I. Beznosova T.M., Martma T., Männik, P., Melnikov S.V. Sedimentology and stratigraphy across the Llandovery-Wenlock boundary in the Subpolar Ural.
2. Antoshkin, A.I., Beznosova T.M., Martma T., Männik, P., Melnikov S.V. Ordovician-Silurian boundary in the Subpolar Ural.
3. Beznosov, P.A., Upeniece, I. Acanthodiformes from Gauja Regional Stage.
4. Denas, Z. Stratigraphic data base of Geological Survey of Lithuania.
5. Hints, O. Database for geological and palaeontological collections held at the Institute of Geology at Tallinn Technical University.
6. Karataj\_te-Talimaa, V., Ratanov, L. Distribution of Vertebrates in Upper Ordovician - Lower Devonian of Tuva, Russia.
7. Kruchek, S., Obukhovskaya, T., Valiukevicius, J., Obukhovskaya, V. The Devonian of North Belarus: stratigraphy and correlation.
8. Kruchek, S., Milaczewski, L., Milaczewska, T., Obukhovskaya, T., Pushkin, V. Stratigraphy and palaeogeography of Devonian deposits of the Pripyat and Lvov-Lublin troughs.
9. Märss, T. Ultra-sculpture of the scales of early agnathans and fishes.
10. Seckus, J. Cheirolepidids from Middle Devonian of Lithuania.
11. Sileikyte, A. Conodonts of the Lower Silurian Geluva Regional Stage (biostratigraphy and palaeogeography) of Lithuania.
12. Upeniece, I. Biogeography of asterolepidids (Placodermi, Pisces) and their use in biostratigraphy in Latvia region.
13. Valiukevicius, J. Reappraisal of the *Watsonacanthus oervigi* acanthodian assemblage of the Grey Hoek Formation from the West Spitsbergen.
14. Vergoossen, J. Age and correlation of Late Silurian fish fauna from Scania, south Sweden.
15. Viira, V. The Wenlock-Ludlow boundary and conodonts in the Northern East Baltic.

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# Recent Advances in the Origin and Radiation of Vertebrates

## Prof. Dr Hans-Peter Schultze Fest

### OCTOBER 2002

To celebrate the 65th birthday of Hans-Peter Schultze, and consequently, his official retirement, a Symposium (*Recent Advances in the Origin and Radiation of Vertebrates*) has been organized to be presented at the 62nd Annual Meeting of the Society of Vertebrate Paleontology SVP at Norman, Oklahoma this year.

[www.vertpaleo.org/meetings/index.html](http://www.vertpaleo.org/meetings/index.html)

In addition, a book on the origin and radiation of early vertebrates will be published (Verlag, Dr. P. Pfeil, München). The authors/contributors for this volume have responded. For other colleagues and friends of Hans-Peter who would like to participate, there will be a second book dedicated to fishes (e.g., morphology, development, systematics). The deadline for submitting manuscripts for Book II is February 28, 2003.

We would like to invite you to contribute a manuscript for this volume and we look forward for your contribution.

Sincerely,

G. Arratia



Hans-Peter Schultze at Lawrence, Kansas in March 1983 [photo © Sue Turner]

May 2003

**Pontifícia Universidade Católica do Rio Grande do Sul  
Museu de Ciências e Tecnologia  
Laboratório de Paleontologia**

# **10th International Meeting on Early Vertebrates / Lower Vertebrates**

**Porto Alegre, RS, Brazil, 5th-9th May 2003**

In May 2000 Dr Martha Richter sent an invitation to all who attended the 9th EVS at Flagstaff to meet again in Brazil in 2003.

The First Circular will soon be on the home page  
<http://www.ufrgs.br/geociencias/evento.html>.

It will be held under the auspices of the Federal University of Rio Grande do Sul (UFRGS - University in Porto Alegre) which will be the host institution and is to be held in Gramado (close to Porto Alegre). There will also be a field trip around the Paraná Basin either before or after the meeting.

A special issue of the recently created Revista Brasileira de Paleontologia (of the Brazilian Society of Palaeontology) will publish papers emanating from this Symposium. Details in the First Circular.

Contact:  
Dr. Martha Richter  
[richter@vortex.ufrgs.br](mailto:richter@vortex.ufrgs.br); [richter@lead.org.br](mailto:richter@lead.org.br)

or members of the Organizing Committee (see web site for details).

Porto Alegre city also has a home page: [www.portoalegre.rs.gov.br](http://www.portoalegre.rs.gov.br) (choose the 'passeio virtual' or 'virtual sightseeing tour'). It is the capital of Rio Grande do Sul, the southernmost state in Brazil. This is a modern city of about 1, 800,000 inhabitants, located 30 degrees South and about 51 degrees West. It is situated on Precambrian terrain but Gondwanan deposits ranging from Upper Carboniferous to ?Jurassic are only a few hours away by road. Porto Alegre is only 1.5 hours away from Buenos Aires by air to the South and about 2 hours from Rio de Janeiro to the North.

PRE-REGISTRATION FORM

(please copy and send attached to: [BR2003@vortex.ufrgs.br](mailto:BR2003@vortex.ufrgs.br))

Family name : \_\_\_\_\_ First name: \_\_\_\_\_

Title : \_\_\_\_\_ ( ) female ( ) male

Address:

\_\_\_\_\_

Institution or residence: \_\_\_\_\_

Street/number: \_\_\_\_\_

ZIP Code: \_\_\_\_\_

City/State: \_\_\_\_\_

Country: \_\_\_\_\_ E-mail

address: \_\_\_\_\_

Telephone: \_\_\_\_\_

Fax: \_\_\_\_\_

My participation is ( ) likely ( ) unlikely

Tick as applicable:

I intend ( ) to give a talk ( ) to show a poster ( ) to write a short paper as well  
(there will be a selection process; instructions to follow).

Provisional title of my talk/poster: \_\_\_\_\_

\_\_\_\_\_

Provisional topic of my written paper: \_\_\_\_\_

\_\_\_\_\_

Suggestions to the Organizing Committee: \_\_\_\_\_

\_\_\_\_\_

I am ( )likely ( )unlikely to join the c. one week long field trip to the Paraná Basin after the  
Symposium.

Send to: Dr. Martha Richter

Departamento de Paleontologia e Estratigrafia

Instituto de Geociências

Universidade Federal do Rio Grande do Sul - UFRGS

Av. Bento Gonçalves, 91509-900 Porto Alegre, RS

Brazil.

e-mails: richter@nhi.lead.org.br ; richter@vortex.ufrgs.br

# ANNOUNCEMENT

A new **IGCP project 471** is starting in 2002 :

## **Evolution of Western Gondwana during the Late Palaeozoic.**

This could be of interest for the ones who will attend the Brazil early vertebrate meeting next year . We are trying to organize a theme symposium for this project - talk to Martha, Sue Turner or Alain Blieck.

For project information please contact co-leaders:

Carlos LIMARINO - [limar@advancedsl.com.ar](mailto:limar@advancedsl.com.ar)

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## OTHER MEETINGS

### **Subcommission on Devonian Stratigraphy**

Meeting in 2003:  
Mashad University, Iran, with excursions to the fossiliferous Devonian of eastern and northern Iran, proposed by CM Ali R. Ashouri.

Meeting in spring of 2004. In southern Morocco with excursions to the previously poorly accessible Devonian of the Dra Valley, proposed by TM Ahmed El Hassani.

Visit SDS website: <http://sds.uta.edu/>

#####

ASIH meetings are May 27-June 2, 2004 in Norman, Oklahoma (U of O). see <http://199.245.200.110/>

**Spain Mesofishes** 2005, will be organized by Francisco Poyato-Ariza and the Universidad Autonoma de Madrid.

## FINAL WORD

Thanks to all those who have supporting Ichthyolith Issues during this lull of a couple of years. As with many others in the palaeontological community, the editor is going through a time of extreme uncertainty and so the staunch band of friends and subscribers who have maintained faith are to be celebrated.

A version of this newsletter will appear on the website and a hard copy will be posted to those who subscribe and donate or who provide publications/reprints in exchange.

I hope we will all be "going down to Rio" (Grande do Sul) and meet in Brazil next year. Meanwhile,

Happy Fossil Fish Hunting...

Sue Turner

Roving e-mail: [paleodeadfish@yahoo.com](mailto:paleodeadfish@yahoo.com)