



KUNGL.
VETENSKAPSAKADEMIEN
THE ROYAL SWEDISH ACADEMY OF SCIENCES



Petrus Artedi – Father of Modern Ichthyology

Artedi Lecture on Systematic Ichthyology

5 December 2008, 8:30 – 12:30, Beijer Hall, the Royal Swedish Academy of Sciences, Stockholm

Co-organized by
FishBase Sweden
The Royal Swedish Academy of Sciences
The Swedish Museum of Natural History

Final Call

In 2005, FishBase Sweden and the Royal Swedish Academy of Sciences organized the Artedi Lectures in commemoration of the tricentennial of the birth of Sweden's famous ichthyologist Petrus Artedi (1705-1735). Artedi reformed organismal systematics by applying a strict methodology to the study of fishes. He paved the ground for modern systematics, scientific nomenclature and classification expanded on by Carl Linnaeus.

The Artedi Lectures are given by ichthyologists of considerable scientific excellence and recognition, who have made a contribution to ichthyology by a broad approach combining discovery, description, analysis and synthesis in a way that has significantly inspired new generations of ichthyologists.

Artedi Lectures are planned to be given every three years. In 2005 the first Artedi Lectures were given by five renowned fish researchers, Drs. G. David Johnson, Maurice Kottelat, Richard L. Mayden, Lynne R. Parenti and Mutsumi Nishida. The 2008 Lectures will be given on 5 December by Drs. Joseph Nelson, Gloria Arratia and Meemann Chang.

By organizing the Artedi Lectures, we hope to inspire more systematic research, and highlight the importance of both the early Swedish contribution to the field by Artedi, Linnaeus and the Royal Swedish Academy of Sciences (of which the Swedish Museum of Natural History was then a part), and the contemporary importance of systematics to the study of the biological diversity of the Earth.

The programme includes a half day of invited lectures. Participation in the symposium is free and includes lunch, but registration is required. Please note that the seats are limited and the deadline for registration is on 26 November 2008.

This is the final call for the symposium. Up-dated information will be made available at:
<http://artedi.nrm.se/fishbase/?cat=11>

Registration is directed to:

FishBase Sweden
PO Box 50007
SE-104 05 Stockholm, Sweden
+46-8-51954123, +46-8-51954122
fishbase@nrm.se

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Programme

- Moderator** Professor Bo Fernholm, Swedish Museum of Natural History
- 8:30 – 9:00** Registration, coffee and sandwich
- 9:00 – 9:10** Professor Jan Bergström, Swedish Museum of Natural History
Opening address
- 9:10 – 10:00** Professor Joseph Nelson, University of Alberta
Why so many changes in fish systematics and taxonomy after Artedi?
- 10:00 – 10:50** Professor Gloria Arratia, Museum of Natural History, University of Kansas
Fishes in a temporal dimension
- 10:50 – 11:10** Coffee break
- 11:10 – 12:00** Professor Meemann Chang, Institute of Vertebrate Paleontology and
Paleoanthropology, Chinese Academy of Sciences
*Fossil cypriniforms from China and their paleogeographical and
paleoecological implications*
- 12:00 – 12:10** Professor Gunnar Öquist, Secretary General of the Royal Swedish
Academy of Sciences
Presentation of Artedi Lecturer diploma
- 12:10 – 12:30** Professor Bo Fernholm, Swedish Museum of Natural History
Round up discussion and close of the symposium
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- 12:30 – 13:30** Lunch

Artedi lectureships

Professor Gloria Arratia was born in Chile and received her academic education in the University of Chile in Santiago. She defended her PhD dissertation in Historical Geology and Paleontology, at the University of Uppsala, Sweden, in 1996, but that after a long career as a leading scientist in the fields of Recent and Fossil fish systematics, with positions in the University of Chile, the Museum of Natural History in Berlin, and, presently, The University of Kansas. Her main interest is in the morphology, ontogeny and phylogenetic relationships of teleosts, and that is where her main contributions come in, including several classical papers on teleost phylogeny and morphology. Professor Arratia is the author of over 100 scientific papers and book chapters, and editor or co-editor of several books. She supervised 10 PhD students and a similar number of postdoctoral fellows, and has given numerous presentations at scientific meetings. She already received several honors and awards, such as the Humboldt Prize and the Robert H. Gibbs, Jr Memorial Award for 'An outstanding body of published work in systematic ichthyology', and is a member of the Academy of Sciences of Chile.

Professor Arratia is recognized for her scientific contributions combining both Neontology and Paleontology in novel syntheses and hypotheses advancing our understanding of particularly teleost interrelationships, and for her stimulating mentorship expressed in teaching and training of students, conference presentations, and book production.

Professor Joseph S. Nelson, emeritus of the University of Alberta, Canada, is one of the world's best known and influential ichthyologists. He received his PhD at the University of British Columbia in 1965 on hybridization and isolation mechanisms in catostomid fishes. Professor Nelson publishes the book *Fishes of the World*, which is a scientific, comprehensive review of all families of fishes, fossil and Recent, contained in an eclectic classification that has become a world standard for fish classification and an invaluable source for information about the diversity of fishes. The first edition appeared in 1976, and the most recent, fourth edition in 2006. Professor Nelson is the author of more than 100 scientific papers and books, covering a very wide range of interest in fishes, from the accepted common names of North American fishes (in a committee that he Chairs) to morphological variation in sticklebacks. He has already received several awards, including the Robert H. Gibbs, Jr. Memorial Award for 'An outstanding body of published work in systematic ichthyology'.

Professor Nelson is recognized for his very special, high impact contribution to ichthyology in the book *Fishes of the World*, now in its fourth edition, and its comprehensive classification, representing the *Ichthyologia* of our time.

Professor Zhang Miman (appears in all her scientific publications as Meemann Chang) is one of the world's most renowned paleoichthyologists. Born in China, she was educated also in Sweden and the Soviet Union. She received her PhD from Stockholm University in 1982 on the anatomy of the braincase of *Youngolepis*, a fossil crossopterygian from China. *Youngolepis* challenged the views held then about sarcopterygian interrelationships, and revitalized the systematic study of Devonian fish-like vertebrates. Returned to China, Professor Zhang developed the Institute of Vertebrate Paleontology and Paleoanthropology in Beijing to a world leading center of paleontology backed by the rich Chinese fossil fauna. Professor Zhang is a member of the Chinese Academy and the author of some 60 scientific papers and books. Professor Zhang provided opportunities for many students to develop internationally important careers, and herself has continued her career at the frontline of fossil fish systematics.

Professor Zhang is recognized for her considerable breadth of expertise in fish systematics, her overall impact on lower vertebrate systematics, her untiring quest for new frontiers in paleontology, and her mentorship for Chinese ichthyologists and biology students worldwide.

The Royal Swedish Academy of Sciences, Stockholm

The Royal Swedish Academy of Sciences (Kungl. Vetenskapsakademien) is located to the north of downtown Stockholm.

Visiting address: Lilla Frescativägen 4A



Public transport: Bus 40 from Fridhemsplan or Odenplan to station **Universitetet norra**, or subway, red line 14 towards Mörby Centrum, get off at station **Universitetet**.

Car: From central Stockholm, drive to Roslagstull (E20) and north on Roslagsvägen. Turn off at Stockholm University and follow signs saying Vetenskapsakademien.

From the north, and Arlanda airport, go south on the E4 and turn off towards Bergshamra on the E18, then follow signs towards Stockholm. On Roslagsvägen, turn off at sign saying Vetenskapsakademien.

Parking space is limited within the Academy premises.

The following web sites provide information about the city, hotels and travel in Stockholm:

www.destination-stockholm.se

www.stockholmtown.com

www.sl.se