41st Annual Meeting
Cardiff, 1997

Register now!

PROVISIONAL PROGRAMME

Compiled by Chris Berry

Monday 15th December

4.00pm Registration, University Hall
5.30pm Buses to National Museum of Wales
6.00pm Reception, National Museum of Wales
7.30pm Buses return to University Hall
8.00pm Dinner

Tuesday 16th December

* indicates a candidate for the President's Award; + indicates the speaker in multi-authored contributions if not a candidate for the President's Award.

8.50 Welcome

9.00 * C.J. Smith, H.A. Armstrong and A.W. Owen
Late Ordovician deep water conodonts: patterns of species change during a marine transgression

9.20 Phil Donoghue
Solving the conodont growth conundrum

9.40 + Ivan J. Sansom, M. Paul Smith and Moya M. Smith
Astraspis - reconstructing and recoding an Ordovician fish

10.00 D. M. Unwin
Hind limb kinematics of pterosaurs during terrestrial locomotion

10.20 + N. N. Bakhurina and D. M. Unwin
Soft tissue preservation in the pterosaur *Sordes pilosus* and its palaeobiological significance

10.40 Coffee

11.10 Ian Jenkins
Finite Element Analysis of cranial mechanics in Permian therapsid 'sabretoothed' predators

11.30 Mags Duncan
Ichthyoliths as biostratigraphic and palaeoenvironmental tools in the Carboniferous of Ireland

11.50 Clive N. Trueman
Geochemical vertebrate taphonomy: rare earth element analysis of terrestrial vertebrate assemblages

12.10 + Taniel Danelian and Kenneth G. Johnson
Long-term evolutionary patterns of Jurassic low latitude Radiolaria

12.30 * Helen Coxall, Paul Pearson and Nick Shackleton
Evolution and habitat changes in Eocene hantkeninids

12.50 Lunch

2.00 + Julio Aguirre and Robert Riding
Diversification of coralline and dasycladalean calcified algae during the Cretaceous and Cenozoic

2.20 Kenneth G. Johnson
Miocene diversification of the Caribbean reef-coral fauna: new data from the Tamana Formation, Trinidad

2.40 * Jeff Lord
The taphonomy of a Waulsortian carbonate buildup

3.00 + Graham A. Young and Robert J. Elias
Relationships between internal and external morphology in *Paleofavosites*

3.20 + Michael J. Weedon and Paul D. Taylor
Comparative biomineralization in cheilostome and cyclostome bryozoans

3.40 Afternoon tea
4.10 Richard Bettley
The Middle Ordovician fauna of the Welsh Basin; its use in defining a chronostratigraphic standard

4.30 Kay Mannifield
Crinoid stem ossicles as biostratigraphical and palaeoecological tools in the Carboniferous of northwest Ireland: problems and potential

4.50 Olga Bogolepova
Endocerida in the Silurian of Siberia

5.10 * Vivian Alexander Ratter
Lower Silurian palaeotaxodont bivalves from Wales and the Welsh Borderland

5.30 * Chris Peel
The life and times of *Dunbarella*

6.15 Buses leave University Hall
6.30 Reception, University of Wales Cardiff
7.30 Annual Dinner, National Museum of Wales

**Wednesday 17th December**

9.00 + Andrew C. Scott, John Anderson and Heidi Anderson
Plant-insect interactions in the Triassic of South Africa and the problem of taphonomic bias

9.15 + S. Henry Williams and Lorne C. Clarke
Structure and taxonomic significance of the graptolite prosicula

9.30 David K. Loydell
Early Silurian sea-level changes

9.45 + Paul Wignall and Richard Twitchett
The Permo-Triassic mass extinction in East Greenland

10.00 Malcolm B. Hart
The evolution and biodiversity of Cretaceous planktonic Foraminiferida

10.15 + Paul D. Taylor, Frank K. Mckinney and Scott Lidgard
Ecological competition and macroevolutionary patterns in post-Palaeozoic bryozoans
10.30 Stephen Kershaw and Graham A. Young
Palaeozoic stromatoporoid and tabulate growth bands and their palaeobiological implications

10.45 Simon R.A. Kelly and Peter F. Rawson
The Boreal ammonite succession and zonal sequence in the Early Cretaceous of Greenland

11.00 Coffee

11.30 Joanna L. Wright
Trackways of juvenile dinosaurs

11.50 Simon Braddy
Keeping track of Palaeozoic terrestrial arthropods

12.10 Jason Hilton
Implications of members of the Permian Cathaysian flora on spermatophyte phylogeny

12.30 Kate Habgood
Coprolites as evidence of nutrient cycling in early terrestrial environments

12.50 Lunch

2.00 Matthew A. Wills
Phylogenetic and phenetic approaches to crustacean evolution

2.20 R.D.K. Thomas and Rebecca M. Shearman
Evolutionary implications of the extent and pattern of exploitation of skeletal morphospace by animals of the Burgess Shale

2.40 Graham E. Budd and Ruth A. Dewel
Getting a head in the Cambrian: cephalic composition and evolution in early arthropods

3.00 Sarah Gabbott, Richard Aldridge and Johannes Theron
A new enigmatic fossil from the Ordovician Soom Shale Lagerstätte

3.20 Juliette Dean
Morphological and palaeobiological diversification of the earliest ophiuroids [Echinodermata]

3.40 Coffee

4.10 David J. Siveter and Mark Williams
Cambrian bradoriid and phosphatocopid Arthropoda of North America

4.25 Leonid E. Popov, Lars E. Holmer, Michael G. Bassett
Class Obolellata - the earliest rhynchonelliformean (calcareous shelled) brachiopods

4.40 Tatiana Tolmacheva
Late Cambrian and Early Ordovician conodont clusters in abyssal deposits of south-central Kazakhstan

4.55 David H. Evans
The cephalopod fauna of the Durness Group of northwest Scotland

5.10 J.E.A. Marshall
A novel early Mid Devonian reproductive structure

7.30 Dinner

Thursday 18th December

Field trips
a) Lower Palaeozoic of Builth (P. Sheldon)
b) South Glamorgan Coast (M. Bassett)