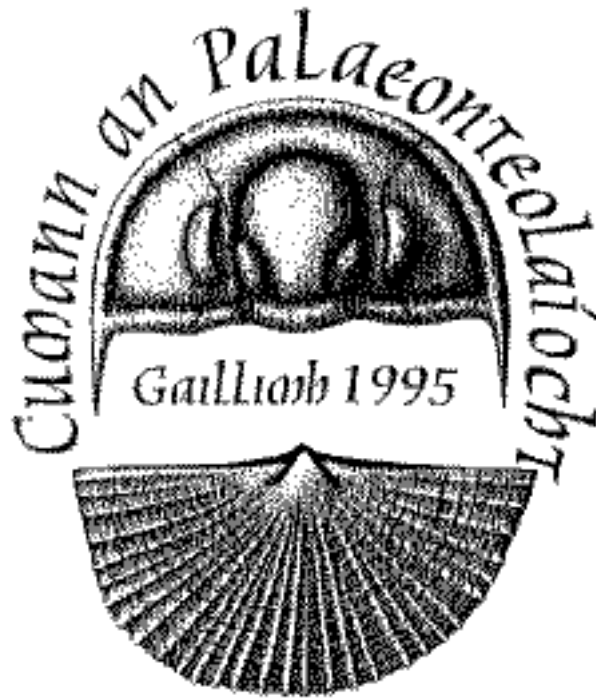


PALAEONTOLOGICAL ASSOCIATION ANNUAL CONFERENCE



UNIVERSITY COLLEGE GALWAY

16th - 20th December 1995

Programme of Events

Saturday 16th December

1500 Onwards - Registration in the James Mitchell Museum, Main Quad, University College Galway. Assemble posters in Main Concourse, UCG

2000 Guinness and Oysters Reception in James Mitchell Museum, UCG with welcome address by His Worship the **Mayor of Galway**, Councillor Micheal O'hUiginn.

Sunday 17th December

0900-0910: Welcome address by **Professor Gearoid O'Tuathaigh**, Vice President for Development and External Affairs, University College Galway.

Session 1: Chairman - **Dr Richard Fortey**

0910-0930: **Simon J. Bale, Derek E.G. Briggs, R. John Parkes and Philip R. Wilby** (University of Bristol). Microbes and mineralization - the fossilization of soft tissues.

0930-0950: **Philip R. Wilby, Derek E.G. Briggs** (University of Bristol) and **Bernard J. Riou** (Musée de Paleontologie, La Voulte-sur-Rhone). La Voulte-sur-Rhone (Callovian): fossilized soft tissues from a "toxic sludge".

0950-1010: **Owen E. Sutcliffe** (University of Bristol). The Hunsrück Slate Fossil-*Lagerstätte*: Depositional Setting and Taphonomy.

1010-1030: **Ian J. Duncan** (University of Bristol). Microfossils join the Megafauna: arthropods from Riversleigh, an Australian Tertiary *Lagerstätte*.

1030-1050: **Piers D. Butler** (University of Bristol). Exceptionally preserved phyllocarids and problematic fossils from Gogo, Western Australia.

Coffee and muffins

Session 2: Chairman - **Professor Pádraig O Ceidigh**

1115-1135: **Patrick J. Orr** (University of Bristol). Exceptionally preserved conchostracan branchiopods (Arthropoda: Crustacea) from the Moyadd Coal Formation (Namurian - Westphalian) in the Castlecomer Coalfield, Ireland.

1135-1155: ***Cees H.J.** (University of Amsterdam). The role of palaeontological data in a phylogenetic reconstruction of the Stomatopoda (Crustacea: Malacostraca).

1155-1215: **Graham E. Budd** (University of Uppsala). Arthropod phylogeny in the light of Cambrian problematica: new evidence from the Sirius Passet fauna.

1215-1235: **Nigel C. Hughes** (Cincinnati Museum of Natural History) and **Ralph. E. Chapman** (Smithsonian Institution). Developmental flexibility in the Silurian trilobite *Aulacopleura konincki*: possible implications for the Cambrian radiation.

1235-1255: **Jonathan M. Adrain** (Natural History Museum) and **Gregory D. Edgecombe** (The Australian Museum). Silurian calymenid trilobites from eastern and Arctic North America.

1255-1315: **Paul A. Selden** (University of Manchester). Camel-spiders and cladograms.

LUNCH

Session 3: Chairman - **Dr Dick Aldridge**

1430-1450: **Ruth Elliott** (University of Leicester). Controls on acritarch distribution.

1450-1510: **Angela Fielding** (University of Leicester). Changes in acritarch assemblages across the Ordovician-Silurian boundary.

1510-1530: **Phil Donoghue** (University of Leicester). Conodont Pearls?

1530-1550: **Christopher, R. Barnes, Cynthia A. Wright** (University of Victoria), **Stein B. Jacobsen** (Harvard University) and **Jan Veizer** (University of Ottawa). Early Paleozoic paleogeography and paleoceanography: Sr and Nd isotope geochemical data from conodonts.

1550-1610: **Mark A. Purnell** (University of Leicester). Conodont Vision, Locomotion and Foraging Strategies.

Tea and coffee

Session 4: Chairman - **Professor Geoff Clayton**

1630-1650: **Paul N. Pearson** (University of Bristol). Planktonic foraminifer biostratigraphy of pelagic caps on Marshall Islands Group guyots.

1650-1710: **Louise Purton** and **Martin Brasier** (University of Oxford). High resolution stable isotopes and Eocene *Nummulites*.

1710-1730: **Jennifer C. McElwain** (Royal Holloway, London). Phanerozoic atmospheric CO₂ concentration as indicated by stomatal parameters in fossil plants.

1730-1750: **John E.A. Marshall** (University of Southampton). *Rhabdosporites langii*, *Geminospora lemurata* and *Contagisporites optivus*: an origin for heterospory within the Progymnosperms.

1750-1810: **Una R. Smith** (Yale University). Discovery of poppy fruits (Papaveraceae) in the Late Cretaceous.

2000 Mulled Wine Reception hosted by Department of Geology followed by Annual Dinner in Aula Maxima, Main Quad, University College Galway

Monday 18th December

Session 5: Chairman - **Professor Tony Wright**

0900-0920: **Michael J. Weedon** and **Paul D. Taylor** (Natural History Museum). Skeletal

ultrastructures and their preservation in Stenolaemate bryozoans.

0920-0940: **Patrick N. Wyse Jackson** (Trinity College, Dublin), **Paul D. Taylor** and **John Tilsley** (Natural History Museum). The Balladoole 'coral': an arboreal Carboniferous bryozoan in disguise.

0940-1000: **Michael J. Simms**. Phylogenetic relationships among Ordovician crinoids.

1000-1020: ***Kay Mannifield** and **George D. Sevastopulo** (Trinity College, Dublin). Tall tales from the west.

1020-1040: **Jim Buckman** (University of Paisley) and **Michael J. Weedon** (Natural History Museum). Micro- and ultrastructure of calcareous annelid-tubes: observed structures and fabrics, and their potential for both taxonomy and palaeoecology.

Coffee and muffins

Session 6: Chairman - **Professor Ron Pickerill**

1100-1120: **Mark A. S. McMenamin** (Mount Holyoke College). A New Discovery of Ediacaran Body and Trace Fossils.

1120-1140: **Christopher Nedin** (University of Adelaide). Palaeontology of the Lower Cambrian Emu Bay Shale fossil *Lagerstätte*, Kangaroo Island, South Australia.

1140-1200: **Elizabeth Bull** (Elgin), **Howard Armstrong** and **Colin Scrutton** (University of Durham). Biostratigraphic correlation of graptolites, conodonts and corals in the Upper Telychian of Scotland.

1200-1220: **Alan W. Owen** (University of Glasgow), **David A.T. Harper** (University College, Galway) and **Euan N. K. Clarkson** (University of Edinburgh). The trilobites and brachiopods of the Wrae Limestone - making more and more from less and less in the Ordovician of the Southern Uplands.

1220-1240: **Simon F. Mitchell** (University of Liverpool). Invertebrate palaeoecology in the northern Red Chalk.

1240-1300: **Charlie J. Underwood** (University of Liverpool). Vertebrate palaeoecology of the northern Red Chalk.

LUNCH

Session 7: Chairman - **Professor Tony Hallam**

1410-1430: **Christopher A. McRoberts** (University of Würzburg). Triassic-Jurassic boundary in

Alpine Europe.

1430-1450: **Richard Twitchett** (University of Leeds). Ecosystem recovery after the end-Permian mass extinction.

1450-1510: **Tim McCormick, Kenneth G. Johnson, Gordon B. Curry** (University of Glasgow). Biotic response to Plio-Pleistocene climate change in a New Zealand invertebrate fauna.

1510-1530: **Sian Evans** (Imperial College, London and the Natural History Museum). The evolution of teredinid bivalves (shipworms).

1530-1550: **Charles H. Holland** (Trinity College, Dublin). The cephalopod Order Actinocerida in the Silurian.

1550-1610: **John C.W. Cope** (University of Wales, Cardiff) and **David Sole** (Axminster, Devon). On the occurrence of jaw apparatus in some Sinemurian ammonites from Dorset.

Tea and coffee

Session 8: Chairman - **Dr Mike Benton**

1630-1650: **Neil D. L. Clark** (Hunterian Museum, Glasgow). The first dinosaurs from Scotland: A cetiosaurid? (Sauropoda) from the Bathonian, and ceratosaurs (Theropoda) from the Hettangian and Bathonian of the Isle of Skye.

1650-1710: **Clive Trueman** (University of Bristol). What makes a fossil bone? Diagenesis of the inorganic phase of bone mineral.

1710-1730: **Joanna L. Wright** (University of Bristol). Following in Hitchcock's Footsteps - Trackways from the Connecticut Valley, U.S.A.

1730-1750: **Chris R.C. Paul** (University of Liverpool). What maintains stasis in the fossil record?

1750-1810: **Andy Swan** (University of Kingston). Genetic algorithms in palaeontological modelling.

1810-1830: **Malcolm J. Herbert** (University of Wales, Lampeter). Realistic palaeontological reconstructions using computer graphics.

1930 Reception hosted by the Bank of Ireland, Eyre Square followed by tour of the Building Stones of Galway City

Tuesday 19th December

0900: Departure for field excursions from Main Quad, UCG. Choose from:

1. Lower Palaeozoic rocks of the Kilbride Peninsula, Galway-Mayo Border
2. Carboniferous rocks of NW Clare including the Burren and the Cliffs of Moher
3. Shell fish laboratory at Carna, south Connemara

The [abstracts](#) of talks and posters to be presented at the meeting, and more information about the [Palaeontological Association](#) are also available.

[Mark Purnell \(map2@le.ac.uk\)](mailto:map2@le.ac.uk)