

Noticeboard

Diary

☞ Further dates for your diary

1989

- 1–2 June **Life at Low Temperatures.** The Royal Society, London, UK.
Organizers: Dr R.M. Laws, FRS and Prof. F. Franks. Details from: The Royal Society, 6 Carlton House Terrace, London SW1Y 5AG, UK.
- 6–8 June **Fourteenth Symposium on Antarctic Meteorites.** National Institute of Polar Research, Japan.
Secretary: Dr Keizo Yanai, c/o National Institute of Polar Research, 9–10 Kaga 1-chome, Itabashi-ku, Tokyo, Japan.
- 7–13 June **CCAMLR Krill CPUE Workshop.** La Jolla, USA.
Convener: Dr J.R. Beddington, Centre for Environmental Technology, Imperial College, Prince Consort Road, London SW7 2AZ, UK.
- 8–9 June **Eastern Snow Conference, 46th Annual Meeting.** Québec, Canada.
Details from: Prof. Gérald Jones, INRS-Eau, CP 7500, 2700 rue Einstein, Sainte-Foy, Québec, Canada, G1V 4C7.
- 14–20 June **CCAMLR Krill Working Group.** La Jolla, USA.
Convener: Mr D. Miller, Department of Environmental Affairs, Sea Fisheries Research Institute, Private Bag X2, Rogge Bay 8012, Cape Town, South Africa.
- 25 June–4 July **Conference and Field Excursion on Granulite Facies Metamorphism.** Arunta Inlier, Central Australia (IGCP 235 — Metamorphism and Geodynamics).
Convener: Dr B.J. Hensen, Department of Applied Geology, University of New South Wales, PO Box 1, Kensington, NSW 2033, Australia.
- 5–7 July ☞ **Conference and Workshop on Antarctic Weather and Climate.** Flinders Institute for Atmospheric and Marine Sciences, South Australia.
Details from: Dr N. Stretten, Bureau of Meteorology, PO Box 1289K, Melbourne, Victoria 3001, Australia.
- 9–19 July **28th International Geological Congress.** Washington DC, USA.
Symposium A14 — Recent advances in the knowledge of the geology of Antarctica.
Poster Session P13 — Geology of the Antarctic.
Secretary General: Dr Bruce B. Hanshaw, 28th International Geological Congress, PO Box 1001, Herndon, Virginia 22070–1001, USA.
- 10–14 July **High-Latitude Climate Process, with special emphasis on large scale air–ice–sea interactions.** Bishop's University, Lennoxville, Québec, Canada.
Details from: Dr Lawrence Mysak, Department of Meteorology, McGill University, 805 Sherbrooke Street West, Montréal, Québec, Canada H3A 2K6.
- 24 July–4 August **Sixth Scientific Assembly of the International Association of Geomagnetism and Aeronomy.** University of Exeter, UK.
Details from: Dr Roy Jady, Department of Mathematics, University of Exeter, Exeter EX4 4QE, UK.
- 31 July–11 August **Fifth Scientific Assembly of the International Association of Meteorology and Atmospheric Physics.** University of Reading, UK.
Details from: Mr Ross Reynolds, Department of Meteorology, University of Reading, 2 Earley Gate, Whiteknights, Reading RG6 2AU, UK.
- 21–25 August **Symposium on Ice and Climate.** University of Washington, Seattle, USA.
Details from: International Glaciological Society, Lensfield Road, Cambridge CB2 1ER, UK.
- 28 August–
5 September **Working Group for the CCAMLR Ecosystem Monitoring Program.** Argentina.
Convener: Dr K. Kerry, Antarctic Division, DSIR, Channel Highway, Kingston, Tasmania 7150, Australia.

- 7–14 September **CCAMLR/IWC Sponsored Workshop on the Feeding Ecology of Southern Baleen Whales.** La Jolla, USA.
Conveners: Mr D. Miller, Department of Environmental Affairs, Sea Fisheries Research Institute, Private Bag X2, Rogge Bay 8012, Cape Town, South Africa; Dr J. Bengtson, Northern Fur Seal Research, National Marine Mammals Laboratory, 7600 Sand Point Way NE, Building 32, Seattle, Washington 98115, USA and Dr J.L. Harwood, Sea Mammal Research Unit, c/o British Antarctic Survey, High Cross, Madingley Road, Cambridge CB3 0ET, UK.
- 10–16 September **Third International Conference on Palaeo-oceanography.** Cambridge, UK.
Details from: ICP III, Department of Earth Sciences, University of Cambridge, Downing Street, Cambridge CB2 3EQ, UK. [The meeting will include a session on 'Palaeo-oceanography of the Antarctic Ocean', convened by Dr P.F. Barker, British Antarctic Survey.]
- 11–14 September **Symposium on Antarctic Research.** Neubrandenburg, German Democratic Republic.
Convener: Prof. Dr R. Meier, Akademie der Wissenschaften der DDR, Zentralinstitut für Physik der Erde, Telegrafenberg, Potsdam-1561, German Democratic Republic.
- August or September **Ecology of the Antarctic Sea Ice Zone.** Norway.
Co-conveners: E. Sakshaug, Trondjem Biological Station, The Museum, University of Trondheim, Bynesveien 46, N-7000 Trondheim, Norway and C. Sullivan, Department of Biological Sciences, University of Southern California, University Park, Los Angeles, California 90089-037, USA.
- October **BIOTAS Workshop.** British Antarctic Survey, Cambridge, UK.
Convener: Dr R.I. Lewis Smith, British Antarctic Survey, High Cross, Madingley Road, Cambridge CB3 0ET, UK.
- 9–19 October **15th Antarctic Treaty Meeting.** Paris, France.
- 16–20 October **Solar Terrestrial Predictions Workshop.** Leura, Australia.
Convener: Dr R. Thompson, IUWDS Regional Warning Centre, IPS Radio and Space Services, PO Box 702, Darlinghurst, New South Wales 2010, Australia.
- 23–27 October **IAPSO Workshop on Regional and Mesoscale Modelling of Ice-Covered Oceans.** Bergen, Norway.
Details from: Drs Johnny Johannessen and Peter M. Haugan, Nansen Remote Sensing Center, Edv. Griegsvei 3A, 5037 Solheimsvik, Bergen, Norway.
- 25 October–2 November **CCAMLR Fish Stock Assessment Working Group.** Hobart, Australia.
Convener: Dr K.-H. Kock, Bundesforschungsanstalt für Fischerei, Institut für Seefischerei, Palmaille 9, D-2000 Hamburg 50, Federal Republic of Germany.
- 5–17 November **Eighth Annual Meeting of the CCAMLR Commission and Scientific Committee.** Hobart, Australia.
- 1990**
- 10–14 June **13th Polar Libraries Colloquy. Man's Future in Arctic Areas.** Rovaniemi, Finland.
Details from: Arctic Centre, University of Lapland, PO Box 122, 96101 Rovaniemi, Finland.
- 25 June–6 July **XXVIII COSPAR Plenary Meeting.** The Hague, The Netherlands.
Secretary: COSPAR Secretariat, 51 Boulevard de Montmorency, 75016 Paris, France.
- 3–6 July **New Perspectives on the Biogeochemistry and the Circulation of Tracers in the Southern Ocean.** Brest, France.
Organizer: Guy Jacques, CNRS, Laboratoire Arago, 66650 Banyuls-sur-Mer, France.
- July **XXI SCAR Meeting.** Brasilia.
- August **IAPSO and IGS Symposium on Ice–Ocean Dynamics and Mechanics.** Hanover, USA.
Details from: Robin Muench, SAIC, 13400B Northup Way, Suite 36, Bellevue, WA98005, USA.
- August **Third International Symposium on South Atlantic Evolution.** Rio de Janeiro, Brazil.
Symposium Co-ordinator: Dimas Dias-Brito, PETROBRAS/CENPES/DIVEX/SEBIPE, Cidade Universitária, Q. 7-1 Fundão, 21910 Rio de Janeiro, RJ, Brazil.
- 28 August–5 September **XXIII URSI General Assembly.** Prague, Czechoslovakia.
Convener: Dr P. Bauer, Service d'Aeronomie du CNRS, B.P. 3, 91371 Verrières le Buisson Cédex, France.

- 3–8 September **International Volcanological Congress.** Johannes-Gutenberg-Universität, Mainz, Federal Republic of Germany.
Secretary: Dr Gerhard Brey, Saarstrasse 23, D-6500 Mainz, Federal Republic of Germany.
- To be announced **Third Polar Diatom Colloquium.** Ottawa, Canada.
Organizer: Dr M. Poulin, National Museum of Canada, Botany Division, Ottawa, K1A 0M8, Canada.
- 1991
mid-year **Antarctic Science Conference.** Venue to be decided.
Planning Group Chairman: Prof. Dr Gothilf Hempel, Alfred-Wegener-Institut für Polar- und Meeresforschung, Postfach 120161, Columbusstraße, D-2850 Bremerhaven, Federal Republic of Germany.
- September **Sixth International Symposium on Antarctic Earth Sciences.** Japan.
Convener: Prof. Y. Yoshida, National Institute of Polar Research, Kaga 1-9-10, Itabashi-ku, Tokyo 173, Japan. [First circular anticipated summer 1989.]

News

Oil spill at Anvers Island

The Argentine vessel *Bahia Paraiso* grounded at about noon on 28 January 1989, about 3 km WSW of Palmer station (64°47'S, 64°6'W). Personnel were evacuated to Palmer station. The 316 persons aboard included 81 tourists. The tourist ships *Society Explorer* and *Las Palmas* removed 212 persons to the Chilean station, Rodolfo Marsh, for airlift to South America on 31 January. The remaining officers and crew went aboard the Argentine ice-breaker *Almirante Irizar* on her arrival on 3 February. The Chilean ship *Yelcho* assisted in crew evacuation. The Korean ship *Cruz Froward* also assisted.

By 1 February the vessel had capsized and was 80% underwater. Diesel fuel began leaking from *Bahia Paraiso* just after grounding and this increased when the ship capsized. In addition to its own fuel the ship was carrying drums of diesel, cylinders of compressed gases and drums of paint.

The US Navy, via NSF Division of Polar Programs, provided marine pollution specialists and equipment which, after airlift to Punta Arenas, arrived at the site on 5 February on board the US vessel *Polar Duke*. Argentine vessels *San Blas* and *Gurruchago* arrived on 13 February to help in salvage and pump oil from the wreck. There was originally *c.* 800 m³ of diesel on board.

Much of the deck cargo has now been recovered and the majority of ship fuel has been pumped from the wreck, leaving *c.* 200 m³ on board. Retrieval of spilt oil by skimming proved difficult as this equipment only arrived one week after the spill when much of the oil had dispersed. Surface oil contamination was visible over at least 70 km². A considerable fraction of the spilt fuel is likely to have evaporated. Any future plans for salvage of the wreck have not yet been announced.

The United States marine biology programme at Palmer station has been running for over 20 years. US and Argentine scientists will be able to provide detailed assessments of damage at all trophic levels of the marine ecosystem. In the light of this incident the future biological programme at Palmer is now under review. Because of its proximity to Palmer and the involvement of many experienced scientists in the recent operations it should be possible to document this disaster in considerable detail to provide important guidelines for any future hydrocarbon problems.

New dinosaur find

An international team of geologists, led by Dr M.R.A. Thomson, collected the remains of a 15-m long ornithomimid dinosaur, whilst working from the British Antarctic Survey vessel RRS *John Biscoe* in the James Ross Island area of northern Antarctic Peninsula. The bones are of latest Cretaceous age and are thought to be those of a hypsilophodontid. They are being described by Dr J.J. Hooker of the British Museum (Natural History).

SCAR Fifth Symposium on Antarctic Biology

The published proceedings of this symposium will comprise all the keynote papers together with such offered papers as were felt by the editors to be within the principal themes. The publication by Springer Verlag may now be slightly delayed as the suitcase containing all the manuscripts and referees' reports was stolen in Hobart. Much of the material has since turned up wet and Australian Antarctic Division are salvaging as much as possible. It may still be necessary, however, to obtain some definitive texts from the authors.

Naming the ocean bed

The first edition of the *Gazetteer and Standardization of Undersea Feature Names* was published by the International Hydrographic Bureau in November 1988. Part I (Gazetteer) lists the names and positions of undersea features shown on the General Bathymetric Chart of the Oceans (GEBCO) and the International Hydrographic Organization (IHO) small-scale international chart series (1:2 250 000 and smaller); Part II includes guidelines for naming features. Copies of the Gazetteer can be obtained from: International Hydrographic Bureau, 7 Avenue President J.F. Kennedy, BP 445, MC 98011 Monaco Cédex, Principality of Monaco.

Miscellaneous

Aanderaa Instruments, Bergen, have recently released details of a new sea-water conductivity sensor (model 3200), a freshwater conductivity sensor (model 3201) and a salinity sensor (model 2975).

New books received

Living ice by R.P. Sharp (ISBN 0 521 33009 2), published by Cambridge University Press, Cambridge, UK.

Phosphorus in freshwater ecosystems edited by Gunnar Persson and Mats Jansson (ISBN 0 061 93657 8), published by Kluwer Academic Publishers Group, Dordrecht, The Netherlands.

IF YOU HAVE ANY NEWS FOR THE NOTICEBOARD, PLEASE SEND IT TO US

Errata

In volume 1, issue 1 (March 1989),

Antarctic meteorites by A.L. Graham and J.O. Annexstad

The legend to **Fig. 5** should read:

Fig. 5. Photomicrographs, in transmitted light, of thin sections of meteorites. **a.** A chondritic meteorite. The black areas are metal, sulphide and fine-grained matrix. The rounded objects are chondrules. The dominant minerals are olivine and pyroxene. This is a non-Antarctic meteorite, Bovedy. Width of field: 3 mm. **b.** An achondritic meteorite, Yamato 82091. The lighter areas are plagioclase and the darker areas are pyroxene. Width of field: 3 mm.

Plant megafossils from the English Coast by C.T. Gee

p. 36, description of *Phyllothea* should read: Slender shoots 3–4 mm wide...

The author has requested that the title of her paper should be amended to: Permian *Glossopteris* and Jurassic *Elatocladus* megafossil floras from the English Coast, eastern Ellsworth Land, Antarctica and that the specimen number in the legend to **Fig. 2e** should read: [278:UTPC].