Noticeboard

Diary

☞ Further dates for your diary

1991

1–6 September	**Symposium on the Physics and Chemistry of Ice.** Sapporo, Japan. Details from: Norikazu Maeno, Institute of Low Temperature Science, Hokkaido University, Sapporo 060, Japan.
10–13 September	**Second WMO Operational Ice Remote Sensing Workshop.** Ottowa, Ontario, Canada. Contact: D. Mudry, Ice Centre Environment Canada, 373 Sussex Drive, LaSalle Academy Block E, Ottowa, Canada.
9–13 September	**Sixth International Symposium on Antarctic Earth Sciences.** Ranzan-Machi, Saitama, Japan. Convener: Prof. Y. Yoshida, National Institute of Polar Research, Kaga 1-9-10, Itabashi-ku, Tokyo 173, Japan.
18–21 September	☞ **Geotechnica 91. International TradeFar and Congress for Geo-sciences and Technology.** Alfred Wegener Foundation KölneMesse, Pstfach 180180, W-5000 Köln 1, Germany.
18–21 September	**SCAR IGBP Global Change Research in Antarctica: Strategy Planning Workshop.** Bremerhaven, Germany. Convenor: G Weller, Geophysical Institute, University of Alaska, Fairbanks, Alaska.
18–21 September	**SCAR–SCOR BIOMASS Colloquium.** Alfred-Wegener-Institut, Bremerhaven, Germany. Contact: Mrs Dr S. Schiel, Alfred-Wegener-Institut für Polar- und Meeresforschung, Postfach 120161, Columbusstraße, D-2850 Bremerhaven, Germany.
22–29 September	**3rd International Symposium on Jurassic Stratigraphy.** Université de Poitiers, Géologie stratigraphique et structurale, 40 Avenue du Recteur Pineau, 86022 Poitiers, Cédex, France.
22–27 September	**XII International Congress of Carboniferous and Permian Stratigraphy and Geology.** Buenos Aires, Argentina. Contact: XII ICC-P, Division of Paleobotanica, Museo Argentino de Ciencias Naturales 'B. Rivadavia', Av. Angel Gallardo 470, 1405 Buenos Aires, Argentina.
23–27 September	**Antarctic Science — Global Concerns.** SCAR International Conference. Bremen, Germany. Contact: Prof. G. Hempel, Alfred-Wegener-Institut für Polar- und Meeresforschung, Postfach 120161, Columbusstraße, D-2850 Bremerhaven, Germany.
September	**Sixth International Symposium on Ground Freezing.** Beijing, China. Details from: Hans Jessberger, Ruhr-Universität Bochum, PO Box 102148, D-4630 Bochum 1, Germany.
30 September–2 October	**Antarctic Challenge IV Conference.** Bremen, Federal Republic of Germany. Details from: Prof. Dr R. Wolfrum, Institut für Internationales Recht, Olshausenstraße 40, D-2300 Kiel 1, Germany.
3–4 October	**Magmatism and the Causes of Continental Break-up.** Geological Society, Burlington House, London. Contact: Dr Bryan C. Storey, British Antarctic Survey, High Cross, Madingley Road Cambridge, CB3 0ET, UK.
7–18 October	**Antarctic Treaty Consultative Meeting – XVI.** Bonn, Germany. Contact: Dr K. Messer, Auswärtiges Amt (Foreign Affairs), AS 504, Postfach 11 48, D-5300 Bonn 1, Germany.
21–25 October	☞ **Chapman Conference on Auroral Plasma Dynamics.** Minneapolis. Convener: R.L. Lysak, University of Minnesota, School of Physics and Astronomy, Minnesota 55455, USA.
6–8 November	**NAV 91 Satellite Navigation.** The 1991 International Conference. Further details: the Royal Institute of Navigation, 1 Kensington Gore, London SW7 2AT.

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11–15 November **V International Circum-Pacific Terrane Conference.** Santiago, Chile. Convener: Francisco Hervé Departamento de Geología y Geofísica, Universidad de Chile, Casilla 13518 Correo 21, Santiago, Chile

12–15 November **International Design for Extreme Environments Assembly.** University of Houston. Contact: Larry Bell, Sasakawa International College of Architecture, University of Houston, 4800 Calhoun, Houston, Texas 72004, USA

4–5 December ☞ **14th Symposium on Polar Biology**. National Institute of Polar Research, Tokyo. Contact: the Secretariat, National Institute of Polar Research, 9-10, Kaga 1-chome, Itabashi-ku, Tokyo 173, Japan.

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26–29 February ☞ **Seal-level changes — Processes & Products.** Universität Stuttgart, Germany. Contact: Institute für Geologie und Paläontologie, Universität Stuttgart, Postfach 10 60 37, D-7000 Stuttgart 10, Germany.

21–25 April **2nd International Conference on Cryobiology and Cryomedicine.** Kharkov, USSR. Contact: The Organizing Committee, Institute for Problems of Cryobiology and Cryomedicine of the UkrSSR Academy of Sciences, 23 Pereyaslavskaya Street, Kharkov 310015, USSR.

3–8 May ☞ **14th Polar Libraries Colloquy**. The Byrd Polar Research Center, The Ohio State University. Contact: The Program Director, Lynn Lay, The Ohio State University, 125 South Oval Mall, Columbus, OH 43210-1308, USA.

9–10 May ☞ **Volcanism associated with extension at consuming plate margins.** British Antarctic Survey, Cambridge, England. Convener: Dr J.L.Smellie, British Antarctic Survey, Madingley Road, Cambridge CB3 0ET, UK.

8–19 June **XXII SCAR Meeting.** Bariloche. Contact: L.R. Fontano, Instituto Antartico Argentino, Cerrito 1248, Buenos Aires, Argentina.

3 August–
3 September **4th International Organization of Paleobotany Conference.** Paris. Contact: Secretariat, 4th I.O.P. Conference Paléobotanique et Palynologie évolutives, Université Paris VI, 12 Rue Cuvier, 75005 Paris, France.

11–13 August ☞**Third International Conference on Ice Technology,** MIT, Cambridge, Massachusetts, USA. Contact: Sue Owen, Conference Secretariat, Wessex Institute of Technology, Ashurst Lodge, Ashurst, Southampton, SO4, 2AA, UK.

24 August–
3 September ☞**International Geological Congress**. Kyoto, Japan. Contact: Secretary General IGC–92 Office, PO Box 65, Tsukuba, Ibaraki 305, Japan

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4–10 July ☞ **Southern Ocean Cephalopods Life Cycles, Populations.** Kings College Cambridge. Organizer: Dr Paul Rodhouse, British Antarctic Survey, High Cross, Madingley Road, Cambridge, CB3 0ET.

23–29 August **Third International Conference on Geomorphology**, McMaster University Ontario. Contact: Derek Ford or Brian McCann, McMaster University, Hamilton, Ontario, Canada L8S 4K1

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News

Antarctic Treaty developments
With the conclusion of the second Special Meeting at Madrid on 23 June the Antarctic Treaty Consultative Parties have almost opened a new chapter in conservation for the continent. Now that the United States has agreed to sign, acceptance of the new Environmental Protocol together with its four annexes should take place in Bonn this autumn.
The protocol and its annexes consolidate and develop all the previous ATCM Recommendations on conservation and environmental management. Included in the new instrument is a prohibition on mining and the establishment of an advisory Committee for Environmental Protection. The four annexes agreed so far cover Conservation of Flora and Fauna, Environmental Impact Assessment, Marine Pollution, and Waste Disposal and Waste Management. It is expected that further annexes will eventually be agreed to cover tourism, protected areas and environmental monitoring.

PANGEA: depositional events on a supercontinent
An international planning research workshop is scheduled tentatively for late spring or early Summer 1992, as part of the PANGEA Program, a research initiative of the Global Sedimentary Geology Program (GSGP). PANGEA will attempt to determine the nature, style and variability of depositional, tectonic and climatic, processes and events during the accretion, zenith and break-up of a supercontinent. It also plans to examine the differences in these processes with respect to the Cretaceous Rhythms, Events and Resources program.
For information, contact: George de V. Klein, Department of Geology, University of Illinois at Urbana-Champaign, Urbana, Illinois 61801-2999; tel (217) 333 2076; Fax (217) 244 4996. (Source: *SEPM News*, **13** (2), May 1991).

Environmental impact meeting in Bologna
The Council of Managers of National Antarctic Programmes (COMNAP) organized a workshop meeting at the University of Bologna on 17–19 June to discuss environmental impact assessment (EIA). Managers and environmental experts from 22 countries attended. The workshop produced a handbook of practical guide-lines on EIA which has since been accepted by COMNAP as an agreed international basis for conducting Antarctic EIAs.

Antarctica - an environmental database
A project to create a digital topographic database of Antarctica was officially launched at the Royal Geographical Society, London on 9 May 1991. The project, which began in June 1990 and ends in December 1991, is a collaborative venture undertaken by the British Antarctic Survey, Scott Polar Research Institute, World Conservation Monitoring Centre, all based in Cambridge, and SCAR (under the auspices of SCAR Working Group on Geodesy and Geographic Information and by approval of SCAR Executive). BP is a major sponsor. Digital data are being supplied to the project by several nations but the bulk of the digitization is being carried out in the UK using a variety of international maps as source data. Data have been captured from 1:250 000 scale maps where possible, with infill from maps ranging from 1:500 000 to 1:3 000 000 in scale, augmented by satellite imagery. The final product, due for release in Summer 1992, will be digital data stored on a CD-ROM.

Forthcoming papers in *Antarctic Science*
The diet of Antarctic fur seals at Heard Island by Green *et al.*; Biochemical composition of sea ice microalgae by Lizotte & Sullivan; PCBs and organochlorine pesticides in phytoplankton and zooplankton by Joiris & Overloop; Changes in seabird species abundance near South Georgia during changes in sea surface temperatures by Hunt *et al.*; Limnological properties of Antarctic ponds during winter freeze up by Schmidt *et al.*; Alkaline ultramafic lamprophyre dykes from the Vestfold block by Delor & Rock; Thelodont scales from the Middle-Late Devonian Aztec siltstone by Turner & Young; Geochemistry of a proterozoic granulite facies terrane by Munksgaard *et al.;* Variation in total column abundance of carbon monoxide and methane in the polar regions by Yurganov & Radionov.

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