COMING EVENTS

- ★ Events wholly or partially sponsored by IUGS, one of its Affiliated Associations or joint ventures — the International Geological Correlation Programme (IGCP) or the Inter-Union Commission on the Lithosphere (ICL).
- Signifies first announcement of meeting in EPISODES.

1987

March 1987

CONJUNCTIVE USE OF SURFACE AND GROUNDWATER FOR AGRICULTURE (International Symposium), Lahore, Pakistan. (Dr. N.M. Awan, Centre of Excellence in Water Resources Engineering, University Engineering and Technology, Lahore-31, Pakistan)

March 3 - 4, 1987

INVERSION TECTONICS (Meeting), London, U.K. (M. Cooper, British Petroleum, Britannic House, Moor Lane, London EC2Y 9BU, U.K.)

March 4 - 7, 1987

★ **DETACHMENT AND SHEAR** (77th Annual Meeting of the Geologische Vereinigung), Basel, Switzerland. Sponsored by International Lithosphere Program. (Prof. D. Bernoulli, Geologisches Institut, Univ. Basel, Bernoullistrasse 32, CH-4056, Basel, Switzerland)

March 7 - 15, 1987

★ **ESTIMATION OF NATURAL RECHARGE OF GROUNDWATER** (International Workshop), Antalya, Turkey. Co-sponsored by IAH. Language: English. (Dr. I.E. Seyhan, Free University of Amsterdam, Department of Earth Sciences, P.O. Box 7161, 1007 MC Amsterdam, The Netherlands)

March 10 - 14, 1987

ORIGIN AND EVOLUTION OF PLANETARY AND SATELLITE ATMOSPHERES (Conference), Tucson, Arizona, U.S.A. (S.K. Atreya, University of Michigan, Space Research Building, Ann Arbor, MI 48109-2143, U.S.A.)

March 11 - 12, 1987

MINERAL RESOURCES RESEARCH IN THE USGS (3rd Annual McKelvey Forum), Denver, Colorado, U.S.A. (Buhler and Abraham, Inc., 10102 McKinney Avenue, Silver Springs, Maryland 20902, U.S.A.)

March 16 - 20, 1987

GEOCHEMISTRY OF WATERS IN DEEP SEDIMENTARY BASINS (GSA Penrose Conference), Oxnard, California, U.S.A. (L. Elms, Western Experience, 2369 Carriage Circle, Oceanside, CA 92056, U.S.A.)

March 16 - 20, 1987

★ **LUNAR AND PLANETARY SCIENCE** (18th Conference), Houston, Texas, U.S.A. Co-sponsored by CCP. (Lunar and Planetary Institute, 3303 NASA Road 1, Houston, TX 77052, U.S.A.)

March 18 - 19, 1987

EARLY TERTIARY VOLCANISM AND THE OPENING OF THE NE ATLANTIC (Meeting), London, U.K. (A.C. Morton, British Geological Society, Keyworth, Notts. NG12 5GG, U.K.)

March 23 - 24, 1987

EXTRACTIVE INDUSTRY GEOLOGY '87 (Meeting), Keele, Staffordshire, U.K. (Conference Office, IMM, 44 Portland Place, London W1N 4BR, U.K.)

March 23 - 26, 1987

SMALL MINE ECONOMICS AND DEVELOPMENT (Conference), London, U.K. (Small mine economics and development conference, International Mining, Cii House, 31 Theobalds Road, London WC1, U.K.)

March 23 - 28, 1987

GROUNDWATER MONITORING AND MANAGEMENT (International Symposium), Desden, G.D.R. Languages: English and Russian. (Dr. P. Lösel, Institut für Wasserwirtschaft, Schnellerstrasse 140, DDR-1190 Berlin, German Democratic Republic)

March 26 - 27, 1987

THE PHYLOGENY AND CLASSIFICATION OF THE TETRAPODS (Special Meeting), London, U.K. (M. Benton, Department of Geology, The Queen's University of Belfast, Belfast, BT7 1NN, Northern Ireland)

March 29 - April 3, 1987

★ **EROSION AND DEPOSITION WITH EMPHASIS ON SEMIARID AND ARID ENVIRONMENTS** (Meeting), Jerusalem, Beersheba, Elat, Israel. Co-sponsored by INQUA. (Prof. A. Yair, Department of Physical Geography, Institute of Earth Sciences, Hebrew University, 91904 Jerusalem, Israel)

March 30 - April 3, 1987

★ **VULNERABILITY OF SOIL AND GROUNDWATER TO POLLUTANTS** (International Conference), Noordwijkaan Zee, The Netherlands. Co-sponsored by IAH. (VSPG '87 c/o KIVI, P.O. Box 30424, 2500 GK The Hague, The Netherlands)

March 30 - April 4, 1987

ICE-CORE ANALYSIS (Symposium), Bern, Switzerland. (Mrs. H. Richardson, International Glaciological Society, Lensfield Road, Cambridge CB2 1ER, U.K.)

April 1987

GEOCHEMISTRY AND MONITORING IN REPRESENTATIVE BASINS (International Meeting), Prague, Czechoslovakia. (Dr. B. Molden, Geological Survey, Malostranská 19, 11821 Prague 1, Czechoslovakia)

April 1 - 10, 1987

GEOTECHNICAL ENGINEERING AND HAZARD ASSESSMENT IN NEOTECTONIC TERRAINS (Sino-British Conference), Taipei, Taiwan. (Dr. J. Rowbotham, Department of Geological Sciences, University College, Gower Street, London WC1E 6BT, U.K.)

April 1 - 3, 1987

★ **SEDIMENTOLOGY** (8th IAH Regional Meeting), Tunis, Tunisia. (Pr. Ali M'Rabet, Faculté des Sciences de Tunis, Département des Sciences de la Terre, Campus Universitaire, 1060 Tunis, Tunisia)

April 2 - 3, 1987

• **DEFORMATION PROCESSES IN MINERALS, CERAMICS, AND ROCKS** (Meeting), London, U.K. (D. Barber, Physics Department, University of Essex, Colchester, Essex CO4 3SQ, U.K.)

April 2 - 3, 1987

MICROPALAEONTOLOGY, PALYNOLOGY AND PETROLEUM EXPLORATION, ON- AND OFFSHORE EUROPE (Meeting), Aberdeen, Scotland, U.K. (Geological Society, Burlington House, Piccadilly, London W1V 0JU, U.K.)

April 6 - 8, 1987

• **SCIENTIFIC DRILLING INITIATIVES IN THE SOUTH ATLANTIC AND ADJACENT SOUTHERN OCEAN** (Workshop), Woods Hole, Mass., U.S.A. (J.A. Austin, Jr., University of Texas Institute for Geophysics, 4920 North L.H. 35, Austin, Texas 78751, U.S.A.)

April 6 - 11, 1987

★ **WATER FOR THE FUTURE** (International Symposium), Rome, Italy. Co-sponsored by IAH, IAHS, Unesco, and WMO. (International Association of Hydrological Sciences, GIBI s.a.s. Studio Congressi, Via Marco Besso, 40, 00191 Rome, Italy)

April 6 - 12, 1987

LATE QUATERNARY SEA LEVEL: THE MARINE AND TERRESTRIAL RECORD (GSA Penrose Conference), Ferry Reach, Bermuda. (J.L. Carew, Department of Geology, College of Charleston, Charleston, SC 29424, U.S.A.)

April 7 - 8, 1987

PHANEROZOIC IRONSTONES AND RELATED DEPOSITS (International Symposium), Sheffield, U.K. (Dr. G. Taylor, Dept. Science, Luton, CBE, Park Square, Luton LU1 3JU, U.K.)

April 7 - 10, 1987

DRILLEX 87 (International Exhibition and Conference on Drilling), Stoneleigh, Warwickshire, U.K. (The Conference Office, The Institution of Mining and Metallurgy, 44 Portland Place, London W1N 4BR, U.K.)

April 9 - 14, 1987

• **EUROPEAN GEOPHYSICAL SOCIETY** (12th General Assembly), Strasbourg, France. (A.K. Richter, Max-Planck-Institut für Aeronomie, D-3411 Katlenburg-Lindau, F.R.G.)

April 10 - 11, 1987

★ **RECONSTRUCTION AND CORRELATION OF THE PHANEROZOIC LACUSTRINE RECORD** (IGCP-219 Workshop), Lake Luzern, Switzerland. (Dr. K. Kelts, EAWAG-Geology, CH-8600 Dübendorf ZH, Switzerland)

April 12 - 18, 1987

★ **HYDROGEOLOGY FOR DEVELOPMENT** (IAH 20th Congress), Rome, Italy. (A. Aureli, Via Cimarosa 10, 95128 Catania, Italy)

April 13 - 15, 1987

★ **ARGENTINE PALAEOBOTANY AND PALINOLOGY** (7th Symposium), Buenos Aires, Argentina. Simultaneous meetings by IGCP-242 and IGCP-237. (Prof. M.A. Caccavari, M.A.C.N. "B. Rivadavia", Av. angel Gallardo 470, Buenos Aires 1405, Argentina)

April 13 - 16, 1987

EUROPEAN UNION OF GEOSCIENCES (IV Biennial Conference), Strasbourg, France. (W. Lowrie, Inst. für Geophysik, HPP P5, ETH Hönggerberg, CH 8093 Zurich, Switzerland)

April 13 - 16, 1987

★ **ENVIRONMENTAL RECORDS FROM LACUSTRINE BASINS** (IGCP-219 Symposium at EGU) Strasbourg, France. (Dr. K. Kelts, EAWAG-Geology, CH-8600 Dübendorf ZH, Switzerland).

April 14, 1987

★ **RADIOMETRIC STRATIGRAPHY** (IGCP-196, International Symposium during meeting of European Union of Geosciences), Strasbourg, France. (G.S. Odin, Université Pierre et Marie Curie, Département de Géologie Dynamique, 4 place Jussieu, Tour 26 - 4^e étage, 75252-Paris Cedex 05, France)

April 18 - 23, 1987

★ **CRETACEOUS AND TERTIARY PHOSPHORITES** (Regional Meeting), Amman, Jordan. Co-sponsored by IGCP-156. (D. Yehya Al-Rawi, Iraqi IGCP National Committee, Council for Scientific Research, P.O. Box 2441, Baghdad, Iraq)

April 21 - 22, 1987

DELTAS: SITES AND TRAPS FOR FOSSIL FUELS (Geological Society Meeting), London, U.K. (Geological Society, Burlington House, Piccadilly, London W1V 0JU, U.K.)

April 22 - 24, 1987

GEOLOGICAL KINEMATICS AND DYNAMICS, FROM MOLECULES TO MANTLE (International Meeting), Uppsala, Sweden. (The Gkd Committee, Institute of Geology, Uppsala University, Box 555, S-751 22 Uppsala, Sweden)

April 23 - 24, 1987

• **GEO-PLATINUM 87** (Symposium), Milton Keynes, U.K. (Dr. H.M. Prichard, Department of Earth Sciences, Open University, Walton Hall, Milton Keynes, Buckinghamshire MK7 6AA, U.K.)

April 23 - 26, 1987

★ **INTERNATIONAL GEOCHEMICAL EXPLORATION** (12th AEG Symposium) and **METHODS OF GEOCHEMICAL PROSPECTING** (4th IAGC Symposium), Orléans La

Coming Events

Source, France. (The Organizing Committee, 12th IGES - 4th SMGP, BRGM, B.P. 6009, 45060 Orleans Cedex, France)

April 26 - May 1, 1987

WORLD PETROLEUM CONGRESS (12th) Houston, Texas, U.S.A. (12th WPC Association, c/o American Petroleum Institute, 1220 L Street NW, Washington DC 20005, U.S.A.)

April 27 - 29, 1987

LATE CENOZOIC PALEOENVIRONMENTS AND GEOLOGY OF THE ARCTIC (Workshop), Spidsbergseter Fjellstue, Norway. (Dr. A. Elverhøi, Norwegian Polar Research Institute, P.O. Box 158, 1330 Oslo Lufthavn, Norway)

April 28 - May 7, 1987

ZECHSTEIN: STRATIGRAPHY-PALEOGEORAPHY-GEOCHEMISTRY (International Symposium), Hannover, F.R.G. (J. Lepper, Niedersächsisches Landesamt für Bodenforschung, P.O. Box 51 01 53, D-3000 Hannover 51, F.R.G.)

May 1987

• **GROUNDWATER EXPLORATION AND DEVELOPMENT IN REGIONS OF AFRICA UNDERLAIN BY CRYSTALLINE BASEMENT ROCKS** (Workshop), Nairobi, Kenya. (Dr. E.P. Wright, British Geological Survey, Hydrogeology Group, Maclean Building, Crownmarsh, Gifford, Wallingford, Oxfordshire OX10 8BB, U.K.)

May 3 - 7, 1987

• **ENGINEERING GEOLOGICAL ENVIRONMENT IN MOUNTAINOUS AREAS** (International Symposium), Beijing, P.R. China. (Geological Society of China, Ministry of Geology, Pai Wan Chung, Fuchengmenwai, Beijing, P.R. China)

May 3 - 8, 1987

THE CONSTRUCTION OF GEOLOGICAL CROSS SECTIONS: TECHNIQUES, ASSUMPTIONS, AND METHODS (GSA Penrose Conference), New Paltz, New York, U.S.A. (P.A. Geiser, Department of Geology and Geophysics, University of Connecticut, Storrs, CT 06268, U.S.A.)

May 3 - 8, 1987

GLACIAL FACIES MODELS (GSA Penrose Conference), Southern Ontario, Canada. (Dr. N. Eyles, Department of Geology, Scarborough Campus, University of Toronto, Scarborough, Ontario, Canada M1C 1A4)

May 5 - 7, 1987

• **INTERACTIONS SOILS - STRUCTURES** (International Symposium), Paris, France. (Ecole Nationale des Ponts-et-Chaussées, DFCAL, 28 rue des St-Pères, 75007 Paris, France)

May 10 - 15, 1987

IMPACT OF VLBI ON ASTROPHYSICS AND GEOPHYSICS (Symposium), Cambridge, Mass., U.S.A. (J. Moran Center for Astro-physics, Mail Stop 42, 60 Garden Street, Cambridge, MA 02138, U.S.A.)

May 12 - 14, 1987

COASTAL SEDIMENTS '87 (Conference), New Orleans, Louisiana, U.S.A. (Dr. N.C. Kraus, USAE Waterways Experiment Station, P.O. Box 631, Attn: WESCE-P, Vicksburg, MS 39180-0631, U.S.A.)

May 15 - 17, 1987

HYDROLOGY, SEDIMENTOLOGY, AND GEOMORPHOLOGICAL IMPLICATIONS OF FLOODS (Conference), Lancaster, U.K. (P.A. Carling, Freshwater Biological Association, The Ferry House, Far Sawrey, Ambleside, Cumbria LA22 0LP, U.K.)

May 16 - 24, 1987

• **PALAEOECOLOGICAL - PALAEOHYDROLOGICAL STUDIES BASED ON STRATIGRAPHICAL RESEARCH IN LAKES AND MIRES, AND FLUVIAL ENVIRONMENTS**

(IGCP-158 Symposium), Sweden. (B.E. Berglund, Department of Quaternary Geology, Tornav. 13, S-223 63 Lund, Sweden)

May 18 - 21, 1987

• **GEOSCIENCE AND REMOTE SENSING** (International Symposium), Ann Arbor, U.S.A. (Joan Eadie, Secretariat, University of Michigan Extension Service, Department of Conferences and Institutes, 200 Hill Street, Ann Arbor, MI 48104-3297)

May 18 - 22, 1987

• **GEOMATHEMATICS AND GEOSTATISTICS APPLIED TO SPACE- AND TIME-DEPENDENT DATA** (International Conference and Course), Wrocław, Poland. Sponsored by CODATA, IAMG, IUGS, and Unesco. (Dr. J.J. Royer, C.R.P.G., B.P. 20, 15 rue Nd des Pauvres, 54501 Vandoeuvre-les-Nancy Cedex, France)

May 18 - 22, 1987

AMERICAN GEOPHYSICAL UNION (Spring Meeting), Baltimore, Maryland, U.S.A. (AGU Meetings, 2000 Florida Avenue NW, Washington, DC 20009, U.S.A.)

May 25 - 27, 1987

COASTAL LOWLANDS: GEOLOGY AND GEOTECHNOLOGY (International Symposium), The Hague, The Netherlands. (Dr. H.J.W.G. Schalkke, P.O. Box 85947, 2508 CP The Hague, The Netherlands)

May 25 - 27, 1987

GEOLOGICAL, MINERALOGICAL ASSOCIATIONS OF CANADA (Joint Annual Meeting), Saskatoon, Canada. (Dr. W.O. Kupseh, Dept. Geological Sciences, University of Saskatchewan, Saskatoon, Sask., Canada S7N 0W0)

May 27 - 28, 1987

ALPINE TECTONICS (Geological Society, The Fernor Lecture Meeting), London, U.K. (Prof. M.P. Coward, Department of Geology, Royal School of Mines, Imperial College, Prince Consort Road, London SW7 2BP, U.K.)

May 28 - 30, 1987

PERMANENT SEISMOGRAPHIC OBSERVATORIES AND NETWORKS (Centennial Anniversary Symposium), Berkeley, California, U.S.A. (Prof. B.A. Bolt, Seismographic Stations, University of California, Berkeley, CA 94720, U.S.A.)

May 31 - June 5, 1987

WORLD MINING CONGRESS (13th), Stockholm, Sweden. (Organizing Secretary, 13th World Mining Congress, University of Luleå, S-951 87 Luleå, Sweden)

June 1987

INTERNATIONAL MINING AND EXPLORATION EXHIBITION '87 (Meeting), Sydney, Australia. (Thomson Exhibitions, 47 Chippen Street, Chippendale, NSW 2008, Australia)

June 1 - 5, 1987

• **GLACIER FLUCTUATIONS AND CLIMATE CHANGE** (International Symposium), Amsterdam, The Netherlands. (J. Oerlemans, Program Committee Chairman, Princetonplein 5, 3508 TA Utrecht, The Netherlands)

June 1 - 6, 1987

• **TERRESTRIAL HEAT FLOW AND STRUCTURE OF THE LITHOSPHERE** (International Meeting), Bechyně, Czechoslovakia. (V. Černák, Geophysical Institute, Czechoslovak Academy of Sciences, 14131-Prague 4, Czechoslovakia)

June 3 - 6, 1987

• **PROTEROZOIC GEOCHEMISTRY** (International Symposium), Lund, Sweden. Sponsored by IGCP-217. (Prof. R. Gorbatshev, Geological Institute, Lund University Sölvegatan 13, S-223 62 Lund, Sweden)

June 7 - 10, 1987

AAPG and SEPM (Annual Meeting), Los Angeles, Calif., U.S.A. (AAPG Headquarters, Box 979, Tulsa, OK 74101, U.S.A.)

June 9 - 12, 1987

EUROPEAN ASSOCIATION OF EXPLORATION GEOPHYSICISTS (49th Annual Meeting and Technical Exhibition), Belgrade, Yugoslavia. (EAEG, Wassenaarseweg 22, 2596 CH The Hague, The Netherlands)

June 11 - 12, 1987

FAN-DELTA: SEDIMENTOLOGY AND TECTONIC SETTINGS (International Symposium), Bergen, Norway. Sponsored by Norsk Hydro, Univ. of Bergen and Norwegian Petroleum Society. (R.J. Steel, Norsk Hydro Research Centre, P.O. Box 4314, 5013 Bergen, Norway)

June 21 - 25, 1987

HYDROGEOLOGY (4th Canadian/American Conference), Banff, Alberta, Canada. (Dr. B. Hitchon, Alberta Research Council, P.O. Box 8330, Station F, Edmonton, Alberta, Canada T6H 5X2)

June 22 - 26, 1987

• **GROUNDWATER AND THE ENVIRONMENT** (International Conference), Kuala Lumpur, Malaysia. (Groundwater Conference 1987, c/o Department of Geology, Faculty of Physical and Applied Science, Universiti Kebangsaan Malaysia, 43600 Bangi, Selangor, Malaysia)

June 30 - July 6, 1987

• **CHEMISTRY OF THE EARTH AND THE UNIVERSE** (IAGC 20th Anniversary Congress), Paris, France. (Dr. B. Hitchon, Alberta Research Council, P.O. Box 8330, Station F, Edmonton, Alberta, Canada T6H 5X2)

July 6 - 8, 1987

• **SCIENTIFIC OCEAN DRILLING (COSOD II 2nd Conference)**, Strasbourg, France. (P. Huchon, Executive Secretary COSOD II, Département de Géologie, Ecole Normale Supérieure, 24 rue Lhomond, 75231 - Paris Cedex 05, France)

July 6 - 10, 1987

• **CRYPTOEXPLOSIONS AND CATASTROPHES IN THE GEOLOGICAL RECORD** (International Workshop), Parys, South Africa. Co-sponsored by IUGS. (L.O. Nicolaysen, Geophysics Department, Witwatersrand University, Johannesburg, South Africa 2001)

July 6 - 11, 1987

CONTINENTAL AND OCEANIC LITHOSPHERE: SIMILARITIES AND DIFFERENCES (Workshop), London, U.K. (M.A. Menzies, Department of Geology, University of London, RHBNC, Egham, Surrey TW20 0EX, U.K.)

July 6 - 11, 1987

FOSSIL ALGAE (4th International Symposium), Cardiff, Wales, U.K. (Dr. R. Riding, Department of Geology, University College, Cardiff CF1 1XL, Wales, U.K.)

July 6 - 12, 1987

• **GEOSEA VI** (Congress) Jakarta, Indonesia. Sponsored by GEOSEA Union and Indonesian Association of Geologists. (J.A. Katili, President Geosea Union, Jl. Jenderal Gatot Subroto Kav. 49, P.O. Box 390 Kby, Jakarta, Indonesia)

July 7 - 10, 1987

APPLIED MINERALOGY (3rd International Congress), Orléans, France. (P. Alain, ICAM 87, Laboratoire de Minéralogie Appliquée, Ecole Sup. de l'Energie et des Matériaux, Domaine Universitaire de la Source, B.P. 6749, 45067 Orléans, Cedex 2, France)

July 12 - 17, 1987

• **GEOPOLITICS** (Penrose Conference), Steamboat Springs, Colorado, U.S.A. (D.A. Stephenson, Dames & Moore, Suite 145, 7500 N Dreamy Draw Drive, Phoenix, AZ 85020, U.S.A.)

July 13 - 17, 1987

• **GROWTH OF CONTINENTAL CRUST** (Workshop), Oxford, U.K. (Pam Jones, Lunar and Planetary Institute, 3303 NASA Road 1, Houston, TX 77058-4399, U.S.A.)

Coming Events

July 19 - 30, 1987

- ★ **LATE QUATERNARY SEA-LEVEL CORRELATION AND APPLICATIONS** (International Field Meeting and Symposium, IGCP 200), Halifax, Nova Scotia. (J. Barrett, Centre for Marine Geology, Dalhousie University, Halifax, N.S., Canada B3H 3J5)

July 23 - 25, 1987

- SOUTH ATLANTIC EVOLUTION** (2nd Symposium), Rio de Janeiro, Brazil. (D. Dias-Brito, PETROBRAS/CENPES, Ilha do Fundão, Quadra 7, Rio de Janeiro 21.910, Brazil)

July 27 - 28, 1987

- **TECTONIC SETTING OF LAYERED INTRUSIVES** (Meeting), Pretoria, South Africa. (Secretary, Organizing Committee, Department of Geology, University of Pretoria, Pretoria, South Africa)

July 27 - 30, 1987

- LATIN AMERICAN PALEONTOLOGY** (4th Congress), Santa Cruz de la Sierra, Bolivia. (Dr. M. Seiares-Rigl, Congress de Paleontologia, Casilla #1321, Santa Cruz de la Sierra, Bolivia)

July 29 - 31, 1987

- ★ **PACIFIC NEOGENE STRATIGRAPHY** (4th International Congress of Regional Committee and Meeting of IGCP-246), Berkeley, Calif., U.S.A. (Dr. C. Brunner Department of Paleontology, University of California, Berkeley, CA 94720, U.S.A.)

July 31 - August 9, 1987

- ★ **INTERNATIONAL UNION FOR QUATERNARY RESEARCH** (12th Congress), Ottawa, Ontario, Canada. (Dr. Alan V. Morgan, Department of Earth Sciences, University of Waterloo, Waterloo, Ontario, Canada N2L 3G1)

August 1987

- **SOIL EROSION, EROSION CONTROL AND SEDIMENT YIELD** (Symposium), China. Sponsored by IAHS. (Dr. J.C. Rodda, Secretary General IAHS, Institute of Hydrology, Wallingford, Oxon OX10 8BB, U.K.)

August 1 - 12, 1987

- LANDSLIDES** (5th International Conference/Workshop), Australia and New Zealand. (5th ICFL-Anzslide '87, P.O. Box 56, Rosny Park, Tasmania 7018, Australia)

August 2 - 12, 1987

- ★ **GEOLOGY, GEOCHEMISTRY AND GENESIS OF MAGMATIC SULFIDES** (IGCP-161 Conference), Zimbabwe, Africa. (Dr. R. Hill, C/CSIRO Private Bag, P.O. Wembley, WA 6014, Australia)

August 3 - 7, 1987

- EROSION AND SEDIMENT TRANSPORT IN PACIFIC RIM MOUNTAINOUS LANDS** (International Symposium and IAHS/IUGG Meeting), Corvallis, Oregon, U.S.A. (Conference Co-ordinator, College of Forestry, Oregon State University, Corvallis, OR 97331, U.S.A.)

August 3 - 13, 1987

- MAGMATIC SULPHIDES** (5th International Sulphides Conference), Harare, Zimbabwe. (Secretary, 5th International Sulphides Conference, Box 1795, Harare, Zimbabwe)

August 9 - 18, 1987

- ★ **TRACE FOSSILS, SMALL SHELLY FOSSILS, AND THE PRECAMBRIAN-CAMBRIAN BOUNDARY, ST. JOHN'S, NEWFOUNDLAND** (IUGS Commission on Stratigraphy Conference and Fieldtrip), eastern Newfoundland. (Dr. G.M. Narbonne, Department of Geological Sciences, Queen's University, Kingston, Ontario, Canada K7L 3N6)

August 9 - 22, 1987

- IUGG (XIX General Assembly)**, Vancouver, Canada. (R.D. Russell, IUGG, Department of Geophysics and Astronomy, University of British Columbia, Vancouver, B.C., Canada V6T 1W5)

August 9 - 22, 1987

- **THE PHYSICAL BASIS OF ICE SHEET MODELLING** (IAHS Symposium at IUGG General Assembly), Vancouver, B.C., Canada (E.D. Waddington, Geophysics Program AK-50, University of Washington, Seattle, WA 98195, U.S.A.)

August 10 - 14, 1987

- ★ **MESOZOIC TERRESTRIAL ECOSYSTEMS** (4th Symposium), Drumheller, Canada (Conference Co-ordinator, Tyrrell Museum of Palaeontology, Box 7500, Drumheller, Alberta, Canada T0J 0Y0)

August 12 - 13, 1987

- GEOTECHNICAL ENGINEERING ON SOFT SOILS** (International Symposium), Mexico City. (M. Mendoza, Chairman, Organizing Committee, Instituto de Ingeniera - UNAM, Apdo. Postal 70-472, 04510 Mexico, D.F., Mexico)

August 12 - 20, 1987

- INTERNATIONAL UNION OF CRYSTALLOGRAPHY** (Congress), Perth, Western Australia. (E.N. Maslen, Crystallography Centre, University of Western Australia, Nedlands, 6009, Australia)

August 14 - 20, 1987

- ★ **PRECAMBRIAN EVENTS IN THE GONDWANA FRAGMENTS** (IGCP-236 Conference), Sri Lanka. (Dr. P.B. Abeyasinghe, IGCP-236, Geological Survey Department, 48 Sri Jinaratana Road, Colombo, Sri Lanka)

August 17 - 20, 1987

- DEVONIAN SYSTEM** (2nd International Symposium), Calgary, Alberta, Canada. (Devonian Symposium, Canadian Society of Petroleum Geologists, 505-206 7th Avenue SW, Calgary, Alberta, Canada T2P 0W7)

August 17 - 21, 1987

- BASEMENT TECTONICS** (7th International Conference), Kingston, Ontario, Canada. (Bob Mason, c/o Events Management Inc., 4 Catarqui Street, Suite 209, Kingston, Ontario, Canada K7K 1Z7)

August 20 - 22, 1987

- X-RAY POWDER DIFFRACTOMETRY** (Meeting with 14th Congress of the International Union of Crystallography), Perth, Western Australia. (Dr. E.H. Nickel, Division of Minerals & Geochemistry, CSIRO, Private Bag PO, Wembley, W.A., Australia 6014)

August 20 - 30, 1987

- PACIFIC SCIENCE ASSOCIATION** (16th Congress), Seoul, South Korea. Section B: Solid Earth Sciences. Language: English. (Prof. Bong Kyun Kim, Dept. of Geological Sciences, Seoul National University, Seoul, South Korea)

August 21 - 22, 1987

- ★ **DEVONIAN SUBCOMMISSION** (Open Meeting), Calgary, Alberta, Canada. (Dr. W.A. Oliver, Jr., U.S. Geological Survey, E-305 Natural History Building, Smithsonian Institution, Washington, DC 20560, U.S.A.)

August 24 - 28, 1987

- ANTARCTIC EARTH SCIENCES** (5th International Symposium), Cambridge, U.K. (Dr. M.R.A. Thomson, British Antarctic Survey, High Cross, Madingley Road, Cambridge, U.K. CB3 0ET)

August 24 - 28, 1987

- **TECTONIC EVOLUTION AND DYNAMICS OF CONTINENTAL LITHOSPHERE** (International Symposium and 3rd All-China Conference on Tectonics), Beijing, China. (Dr. Wang Zeju, Organizing Committee of TEDCL, Chinese Academy of Geological Sciences, Baiwanzhuang Road 26, Beijing, P.R. China)

August 25 - 30, 1987

- ★ **NONMARINE CRETACEOUS CORRELATIONS** (IGCP-245 International Symposium), Urumqi, P.R. China. (Dr. Shen Yanbin, Nanjing Institute of Geology & Palaeontology, Nanjing, P.R. China; or Dr. Niall J. Mateer, 1467 N. 17th, Laramie, WY 82070, U.S.A.)

August 26 - 29, 1987

- PACIFIC RIM CONGRESS 87** (International Congress), Gold Coast, Southern Queensland, Australia. (Aus. IMM Congress Secretariat, P.O. Box 731 Toowoong, 4066 Queensland, Australia)

August 26 - September 7, 1987

- CRETACEOUS SYMPOSIUM** (3rd International Symposium), Tübingen, F.R.G. (Prof. Dr. J. Wiedmann, Institut und Museum für Geologie und Paläontologie, Sigwartstrasse 10, 7400 Tübingen 1, Federal Republic of Germany)

August 30 - September 4, 1987

- INTERNATIONAL SOCIETY FOR ROCK MECHANICS** (6th International Congress), Montreal, Canada. (Prof. B. Ladanyi, Dept. Civil Engineering, Ecole Polytechnique, Box 6079, Stn. A, Montréal, Canada H3C 3A7)

August 31 - September 2, 1987

- AFRICAN MINING** (International Conference), Harare, Zimbabwe. (The Institution of Mining and Metallurgy, 44 Portland Place, London W1N 4BR, U.K.)

August 31 - September 3, 1987

- GROUNDWATER EFFECTS IN GEOTECHNICAL ENGINEERING** (9th European Conference on Soil Mechanics and Foundation Engineering), Dublin, Ireland. Languages: English and French. (Dr. Trevor Orr, Civil Engineering Department, Trinity College, Dublin 2, Ireland)

August 31 - September 4, 1987

- CARBONIFEROUS STRATIGRAPHY AND GEOLOGY** (11th International Congress), Beijing, P. R. China. Languages: Chinese and English. (Prof. Yang Jing-zhi, Nanjing Institute of Geology and Palaeontology, 39 East Beijing Road, Chi-Ming-Ssu, Nanjing, P.R. China)

August 31 - September 5, 1987

- YELLOWKNIFE '87** (GAC Field Meeting), Yellowknife, NWT, Canada. (W.A. Padgham, Geological Surveys, Bag 9100, Yellowknife, NWT, Canada X1A 2R3)

September 1 - 5, 1987

- AFRICAN GEOLOGY** (14th Colloquium), Berlin, (West), F.R.G. (Dr. G. Matheis, Technical University of Berlin, SFB 69, Ackerstrasse 71, D-1000 Berlin 65, F.R.G.)

September 7 - 9, 1987

- DEFORMATION AND PLATE TECTONICS** (International Conference), Oviedo, Spain. Language: English. (A. Perez-Estau, Departamento de Geologia, Universidad de Oviedo, 33005 Oviedo, Spain)

September 7 - 12, 1987

- ★ **COMPUTERIZED BASIN ANALYSIS** (CO-GEODATA International Workshop), Szeged, Hungary. Language: English. (Dr. L. Somos, Geological Survey of Hungary, Ph. 106, H-1442, Budapest, Hungary)

September 7 - 11, 1987

- ANTARCTIC GLACIOLOGY** (4th International SCAR Symposium), Bremerhaven, F.R.G. (Heinz Köhnen, Alfred Wegener Institute for Polar Research, Columbus Center, D-2850 Bremerhaven, F.R.G.)

September 8 - 14, 1987

- TERMINAL PRECAMBRIAN AND CAMBRIAN GEOLOGY** (International Symposium), Yichang, China. Languages: Chinese and English. (Dr. Wang Xiao-feng, Terminal Precambrian and Cambrian Geology, Yichang Institute of Geology and Mineral Resources, P.O. Box 502, Yichang City, Hubei Province, People's Republic of China)

September 11 - 14, 1987

- SEPM** (4th Annual Midyear Meeting), Austin, Texas. (SEPM, P.O. Box 4756, Tulsa, OK 74159, U.S.A.)

September 11 - 17, 1987

- PALEOENVIRONMENTAL INTERPRETATION OF PALEOSOLS** (GSA Penrose Conference),

Coming Events

Warm Spring Indian Reservation, Oregon, U.S.A. (G.J. Retallack, Department of Geology, University of Oregon, Eugene, OR 97403, U.S.A.)

September 12 - 23, 1987

★ **COMPUTER APPLICATIONS AND MANAGEMENT OF PETROLOGICAL DATA BASES** (Workshop), Kuwait. Co-sponsors include IUGS and IGCP-239. (Dr. Ali T. Al-Mishwt, Geology Department, Kuwait University, P.O. Box 5969, Safat, Kuwait)

September 14 - 16, 1987

THE ORIGIN OF GRANITES (Symposium), Edinburgh, Scotland, U.K. (The Meetings Secretary, The Royal Society of Edinburgh, 22-24 George Street, Edinburgh EH2 2PQ, Scotland, U.K.)

September 14 - 18, 1987

• **CLASTIC SHORELINES - PROCESSES TO PRESERVATION** (Symposium), Banff, Alberta, Canada. (Mrs. P. Larham, Faculty of Extension, University of Alberta, Edmonton, Alberta, Canada T6G 2G4)

September 14 - 18, 1987

★ **ANDEAN VOLCANISM SYMPOSIUM** (10th Argentine Geological Congress), San Salvador de Jujuy, Argentina. Co-sponsors include IAVCEI and IGCP-249. (Dr. B. Coira, CONICET-Univ. Nac de Jujuy, Casilla de Correo No. 258, 4600 San Salvador de Jujuy, Argentina)

September 14 - 18, 1987

NEOTECTONICS AND SEISMICITY OF THE ANDES (Regional Symposium), San Miguel de Tucumán, Argentina. (Dr. V. Ramos, Department of Geology, University of Buenos Aires, Pabellón 2 - City University 1428, Nunez, Buenos Aires, Argentina)

September 14 - 18, 1987

★ **CIRCUM-PACIFIC PHANEROZOIC GRANITES** (International Symposium), Tucumán, Argentina. IGCP-249 jointly with 10th Argentine Geological Congress. (Dr. Carlos W. Rapela, Centro de Investigaciones Geológicas, Universidad Nacional de La Plata, Calle 1 no 644, 1900 La Plata, Argentina)

September 14 - 18, 1987

★ **HYDROGEOLOGY OF COAL BASINS** (IUGS/IAH Symposium), Katowice, Poland. (Dr. A. Rozkowski, Geological Institute, Białego 1, 41-200 Sosnowiec, Poland)

September 17 - 27, 1987

★ **EVOLUTION OF METAMORPHIC BELTS** (Geological Society and IGCP-235 Joint Meeting), Dublin, Ireland. (J.S. Daly, Department of Geology, University College, Belfield Campus, Dublin 4, Ireland)

September 21 - 25, 1987

NATURAL GLASSES (Meeting), Prague, Czechoslovakia. Language: English. (V. Bouska, Faculty of Science, Charles University, Albertov 6, 12843 Prague 2, Czechoslovakia)

September 21 - 25, 1987

METALS AND METALLOIDS IN THE HYDROSPHERE: IMPACT THROUGH MINING AND INDUSTRY, AND PREVENTION TECHNOLOGY (Unesco/IHP International Workshop), Bochum, F.R.G. (IHP/OHP Sekretariat, c/o Bundesanstalt für Gewässerkunde, Postfach 309, D-5400 Koblenz, F.R.G.)

September 21 - 26, 1987

• **COMPARATIVE PLANETOLOGY AND EARTH SCIENCES** (Scientific Workshop), La Londe-les-Maures, France. Languages: French and English. (Centre National d'études spatiales, Département des Affaires Universitaires, 18 avenue Edouard-Belin, 31055 Toulouse Cedex, France)

September 24 - October 1, 1987

★ **FOSSILS, ROCKS AND HISTORY** (13th

INHIGEO Symposium), Pisa, Italy. (Prof. G. Giglia, Dip. Scienze della Terra, Via S. Maria 53, 56100 Pisa, Italy)

September 25 - 27, 1987

CATASTROPHIC FLOODING (18th Annual Geomorphology Symposium), Oxford, Ohio, U.S.A. (Dr. Larry Mayer, Department of Geology, Miami University, Oxford, Ohio 45056, U.S.A.)

September 27 - October 1, 1987

EXPLORATION '87 (3rd Decennial Conference on Geophysical and Geochemical Exploration for Minerals and Ground-water), Toronto, Canada. (Exploration '87, c/o 222 Snidercroft Road, Conord, Ontario L4K 1B5, Canada)

September 27 - October 2, 1987

• **FLINT** (5th International Symposium), Bordeaux, France. (Secrétariat General, c/o Michel Lenoir, Institut du Quaternaire, Batiment de Geologie, Avenue des Facultes, Université de Bordeaux I, 33405 Talence Cedex, France)

October 5 - 10, 1987

• **TROODOS 87 - OPHIOLITES AND OCEANIC LITHOSPHERE** (Symposium), Nicosia, Cyprus. (Troodos 87 Symposium, Geological Survey Department, Ministry of Agriculture and Natural Resources, Nicosia, Cyprus)

October 6 - 9, 1987

OROGENY, MAGMATISM AND METALLOGENY IN EUROPE (European Geological Societies 5th Meeting), Dubrovnik, Yugoslavia. Languages: English and French. (European Centre for Peace and Development, Secretariat MECS 5, Sava-Centre, P.O. Box 5, 11000 Beograd, Yugoslavia)

October 11 - 15, 1987

SOCIETY OF EXPLORATION GEOPHYSICISTS (57th Annual Meeting), New Orleans, La., U.S.A. (Marvin R. Hewitt, Amoco Production Co., Box 591, Tulsa, OK 74102, U.S.A.)

October 11 - 23, 1987

• **PALAEONTOLOGY AND EVOLUTION: EXTINCTION EVENTS** (International Conference, part of 2nd World Basque Conference), Leioa (Vizcaya), Spain. Languages: English, Spanish, French and Basque. (II World Basque Congress Secretariat, Paseo de la Senda, 15 Bajo, 01007 Vitoria-Gasteiz, Basque Country, Spain)

October 12 - 16, 1987

★ **MATHEMATICAL METHODS IN GEOLOGY** (16th Annual Geochautauqua), Příbram, Czechoslovakia. Co-sponsored by IAMG. (A. Ryčl, The Mining Příbram, Box 41, 261 02 Příbram, Czechoslovakia)

October 19 - 23, 1987

APPLICATION OF COMPUTERS AND MATHEMATICS IN THE MINERAL INDUSTRIES (20th International Symposium), Johannesburg, South Africa. (The Conference Secretary (C.31), Mintek, Private Bag X3015, Randburg, 2125 South Africa)

October 26 - 29, 1987

• **PETROLEUM GEOLOGY OF NW EUROPE** (Conference), London, U.K. (NW Europe Petroleum Geology '86, Conference Coordinates, 70 Richmond Road, Twickenham, Middlesex TW1 3BE, U.K.)

October 26 - 29, 1987

• **GROUNDWATER CONTAMINATION: Use of Models in Decision Making** (International Conference), Amsterdam, The Netherlands. (G. Jousma, c/o TNO Corporate Communications Department, P.O. Box 297, 2501 BD, The Hague, The Netherlands)

October 26 - 29, 1987

GEOLOGICAL SOCIETY OF AMERICA (Annual Meeting), Phoenix, Arizona, U.S.A. (Meetings Department, GSA, Box 9140, Boulder, CO 80301, U.S.A.)

October 31 - November 3, 1987

PEROVSKITES: A STRUCTURE OF GREAT INTEREST TO GEOPHYSICS AND MATERIALS SCIENCE (AGU Chapman Conference), Bisbee, Ariz., U.S.A. (AGU Meetings, 2000 Florida Avenue NW, Washington, DC 20009, U.S.A.)

November 1987

★ **GEOLOGY OF SOMALIA AND SURROUNDING REGIONS** (International Meeting), Mogadishu, Somalia. Sponsored by IUGS. Languages: Somali, Arabic, English, Italian. Texts in English. (Dean of Geology Faculty, Somali National University, P.O.B. 1081, Mogadishu, Somalia)

November 1987

★ **SOUTH AMERICAN COGEOLOGICAL DATA** (Symposium), Ouro Preto, Brazil. (Dr. G. Gabert, Federal Institute for Geosciences and Natural Resources, P.O. Box 51 01 53, D-3000 Hannover 51, Federal Republic of Germany)

December 1987

• **DEEP CONTINENTAL CRUST OF SOUTH INDIA** (Field Workshop), South India. (Pam Jones, Lunar and Planetary Institute, 3303 NASA Road 1, Houston, TX 77058-4399, U.S.A.)

December 7 - 10, 1987

• **PETROGENESIS AND MINERALIZATION OF GRANITOIDES** (International Symposium), Guangzhou, P.R. China. Language: English. (International Symposium on Petrogenesis and Mineralization of Granitoids, c/o Institute of Geochemistry, Academia Sinica, Guiyang, Guizhou Province, People's Republic of China)

December 7 - 10, 1987

★ **TECTONOTHERMAL EVOLUTION OF WEST AFRICAN OROGENS** (IGCP-233 International Conference), Nouakchott, Mauritania. (R.D. Dallmeyer, Department of Geology, University of Georgia, Athens, Georgia 30602, U.S.A.)

December 7 - 11, 1987

• **CENOZOIC OF THE AUSTRALIAN REGION** (Conference), Victorian Alps, Australia. (Prof. M.A.J. Williams, Department of Geography, Monash University, Clayton, Victoria 3168, Australia)

December 7 - 11, 1987

SOUTHEAST ASIAN GEOTECHNICAL CONFERENCE (9th) Bangkok, Thailand. Language: English. (The Hon. Secretary, 9th SEAGC, c/o Division of Geotechnical & Transportation Engineering, Asian Institute of Technology, P.O. Box 2754, Bangkok 10501, Thailand)

December 7 - 11, 1987

AMERICAN GEOPHYSICAL UNION (Fall Meeting), San Francisco, California, U.S.A. (AGU Meetings, 2000 Florida Avenue NW, Washington, DC 20009, U.S.A.)

1988

January 31 - February 5, 1988

ACHIEVEMENTS IN AUSTRALIAN GEOSCIENCE (9th Australian Geological Convention), Brisbane, Australia. (Dr. G.W. Hoffmann, Geological Survey of Queensland, GPO Box 194, Brisbane, Queensland 4001, Australia)

February 29 - March 5, 1988

• **FATE OF PARTICULATE AND DISSOLVED COMPONENTS WITHIN THE AMAZON DISPERSAL SYSTEM: RIVER AND OCEAN** (AGU Chapman Conference), Wild Dunes, S.C., U.S.A. (AGU Meetings, 2000 Florida Avenue NW, Washington, DC 20009, U.S.A.)

March 8 - 11, 1988

ASIAN MINING '88 (3rd International Conference and Exhibition), Kuala Lumpur, Malaysia. (The Conference Office, The Institution of Mining and Metallurgy, 44 Portland Place, London W1N 4BT, U.K.)

Coming Events

March 20 - 23, 1988

AAPG/SEPM (Annual Meeting), Houston, Texas, U.S.A. (Convention Department AAPG, Box 979, Tulsa, OK 74101, U.S.A.)

May 2 - 5, 1988

★ **GROUNDWATER IN COLD CLIMATES AND HYDROGEOLOGY OF MINERAL DEPOSITS** (International Symposium), Halifax, Nova Scotia, Canada. Organized by IAII. (D. MacFarlane, P.O. Box 83, Hantsport, Nova Scotia, Canada B0P 1P0)

May 15 - 20, 1988

★ **BICENTENNIAL GOLD 88** (Conference), Melbourne, Australia. Co-sponsored by Society of Economic Geologists. (Dr. R.R. Keays, Department of Geology, University of Melbourne, Parkville Vic 3052, Australia)

May 16 - 20, 1988

AMERICAN GEOPHYSICAL UNION (Spring Meeting), Baltimore, Maryland, U.S.A. (AGU Meetings, 2000 Florida Avenue NW, Washington, DC 20009, U.S.A.)

May 16 - 20, 1988

★ **HYDROLOGICAL PROCESSES AND WATER MANAGEMENT IN URBAN AREAS** (IAHS/IUGG-IAH/IUGS-Unesco Meeting), Duisburg, F.R.G. (Dr. E. Romijn, Provincial Waterboard of Gelderland, Markstraat 1, P.O. Box 9090, 6800 GX Arnhem, The Netherlands)

May 22 - 25, 1988

GAC/MAC/CSPG (Annual Meeting), St. John's, Newfoundland, Canada. (J.M. Fleming, Department of Mines and Energy, P.O. Box 4750, St. John's, Newfoundland, Canada A1C 5T7)

May 29 - June 3, 1988

WATER FOR WORLD DEVELOPMENT (6th IWRA World Congress), Ottawa, Ontario, Canada. Languages: English, French, and Spanish. (P.J. Reynolds, President, Canadian Committee - International Water Resources Association, 3 Valley View Road, Ottawa, Ontario, Canada K2H 5Y6)

May 30 - June 3, 1988

• **INTERACTION BETWEEN GROUNDWATER AND SURFACE WATER** (International Symposium), Lund, Sweden. (Prof. Dr. G. Lindh, Jund Institute of Technology, S-22007 Lund, Sweden)

May 31 - June 4, 1988

• **SEISMIC ANISOTROPY IN THE EARTH'S CRUST** (AGU Chapman Conference), Berkeley, Calif., U.S.A. (AGU Meetings, 2000 Florida Avenue NW, Washington, DC 20009, U.S.A.)

June 7 - 10, 1988

EUROPEAN ASSOCIATION OF EXPLORATION GEOPHYSICISTS (50th Congress), Den Haag, The Netherlands. (E. van der Gaag, European Association of Exploration Geophysicists, P.O. Box 162, NL-2501 AN The Hague, The Netherlands)

June 13 - 17, 1988

• **SEDIMENT TRANSPORT PROCESSES IN ESTUARIES** (AGU Chapman Conference), Bahia Blanca, Argentina. (AGU Meetings, 2000 Florida Avenue NW, Washington, DC 20009, U.S.A.)

June 30 - July 9, 1988

• **SEISMIC PROBING OF THE CONTINENTS AND THEIR MARGINS** (Meeting), Canberra, Australia. (Dr. J.H. Leven, BMR, Box 378, Canberra, ACT 2601, Australia)

July 1988

★ **APPLIED GEOCHEMISTRY OF THE CONTINENTAL CRUST** (IAGC Conference), São Paulo, Brazil. (Dr. A.J. Melfi, Institute of Astronomy and Geophysics, University of São Paulo, C.P. 30627, São Paulo 01000, Brazil)

July 1988

★ **THERMODYNAMICS OF NATURAL PROCESSES** (International Symposium), Strasbourg, France. Co-sponsored by IAGC, IGCP, IMA,

CODATA. (Dr. B. Fritz, Centre de Sédimentologie et de Géochimie de la Surface, 1 rue Blessig, F-67084 Strasbourg Cedex, France)

July - August 1988

★ **OSTRACODA AND GLOBAL EVENTS** (10th International Symposium), Aberystwyth, Wales, U.K. Supported by IPA. (Dr. R.C. Whitley, Department of Geology, University College of Wales, Aberystwyth, Dyfed SY23 3DB, Wales, U.K.)

July 1 - 8, 1988

SEISMIC PROBING OF THE CONTINENTS AND THEIR MARGINS (Symposium), Canberra, Australia. (Dr. J. Leven, BMR, P.O. Box 378, Canberra, ACT 2601, Australia)

July 10 - 15, 1988

• **LANDSLIDES** (5th International Symposium), Lausanne, Switzerland. (C. Bonnard, P.O. Box 83, CH-1015, Lausanne 15, Switzerland)

July 18 - 22, 1988

★ **GONDWANA** (7th International Symposium), São Paulo, Brazil. Cosponsored by IUGS. (A.C. Rocha-Campos, Convenor, 7th Gondwana Symposium, Instituto de Geociências, Universidade de São Paulo, C.P. 20899, São Paulo, SP, Brazil)

July 25 - 29, 1988

FOSSIL CNIDARIA (5th International Symposium), Brisbane, Australia. (Dr. J.S. Jell, Department of Geology and Mineralogy, University of Queensland, St. Lucia, Queensland 4067, Australia)

August 1988

• **URBAN HYDROLOGY** (IAHS Meeting), Maestricht, The Netherlands. (Dr. John C. Rodda, IAHS Secretary General, Institute of Hydrology, Wallingford, Oxfordshire OX10 8BB, U.K.)

August 2 - 5, 1988

PERMAFROST (5th International Conference), Trondheim, Norway. (5th International Conference on Permafrost, Norwegian Road Research Laboratory, P.O. Box 6390 Etterstad, N-0604 Oslo 6, Norway)

August 14 - 21, 1988

PEAT (8th International Congress), Leningrad, U.S.S.R. (Peat Congress, Ministry of Fuel Industry of the RSFSR, Sadovaya-Chernogryazskaya 8, Moscow 107813, U.S.S.R.)

August 20 - 27, 1988

INTERNATIONAL PALAEOBOTANICAL CONGRESS (3rd), Melbourne, Australia. (Secretary, 3rd IOP Conference, Conventions Department, P.O. Box 1901R, G.P.O., Melbourne 3001, Australia)

August 22 - 26, 1988

GEOGRAPHICAL CONGRESS (IGU 26th International), Sydney, Australia. (Prof. B. Thom, Department of Geography, Institute Building, University of Sydney, Sydney, Australia 2006)

August 28 - September 2, 1988

INTERNATIONAL PALYNOLOGICAL CONGRESS (7th), Brisbane, Australia. (Dr. John Rigby, Conventions Department, P.O. Box 489, G.P.O., Sydney NSW 2001, Australia)

September 1988

SNOW AND GLACIER RESEARCH RELATING TO HUMAN LIVING CONDITIONS (Symposium), Norway. (Mrs. R. Richardson, International Glaciological Society, Lensfield Road, Cambridge CB2 1ER, U.K.)

September 5 - 9, 1988

• **GEOSTATISTICS** (3rd International Congress), Avignon, France. Languages: English and French. (Geostat Congress 1988, Centre de Géostatistique, 35 rue Saint-Honoré, 77305 Fontainebleau, France)

September 19 - 23, 1988

★ **ENGINEERING GEOLOGY AS RELATED TO THE STUDY, PRESERVATION OF ANCIENT WORKS, MONUMENTS AND HISTORICAL**

SITES (IAEG International Symposium), Athens, Greece. (Dr. L. Primel, IAEG, Lab. Central des Ponts et Chaussées, 58 Boulevard Lefebvre, 75732 Paris Cedex 15, France)

September 25 - 28, 1988

• **MEDITERRANEAN BASINS** (European Geological Conference & Exhibition), Nice, France. (AAPG Convention Department, Box 979, Tulsa, OK 74101, U.S.A.)

September/October 1988

★ **KARST** (IAH 21st Congress), Gueilin, Kuangxi Autonomous Region, China. (E. Romijn, IAHS, Provincial Waterboard of Gelderland, Markstraat 1, P.O. Box 9090, NL-6800 GX Arnhem, The Netherlands)

October 1988

COAL RESEARCH (International Conference), Tokyo, Japan. (Dr. W.G. Jensen, International Committee for Coal Research, Bte 11, B-1150 Brussels, Belgium)

October 1988

THEORY AND PRACTICE OF EARTH REINFORCEMENT (International Geotechnical Symposium), Kyushu, Japan. (Prof. N. Miura, Department of Civil Engineering, Saga University, Saga 840, Japan)

October 23 - 28, 1988

MINE WATER (3rd International Congress), Melbourne, Australia. (Australasian Institute of Mining and Metallurgy, P.O. Box 122, Parkville, Victoria 3052, Australia)

October 30 - November 3, 1988

SOCIETY OF EXPLORATION GEOPHYSICISTS (Annual Meeting), Anaheim, California, U.S.A. (Convention Assistant, Society of Exploration Geophysicists, P.O. Box 3098, Tulsa, OK 74101, U.S.A.)

October 31 - November 3, 1988

GEOLOGICAL SOCIETY OF AMERICA (Annual Meeting), Denver, Colorado, U.S.A. (Meetings Department, GSA, P.O. Box 9140, Boulder, CO 80301, U.S.A.)

December 5 - 9, 1988

AMERICAN GEOPHYSICAL UNION (Fall Meeting), San Francisco, California, U.S.A. (AGU Meetings, 2000 Florida Avenue NW, Washington, DC 20009, U.S.A.)

1989

March 28 - April 9, 1989

★ **SILURIAN SYSTEM** (International "Murchison" Symposium), Keele, Staffs., U.K. Co-sponsored by the IUGS Subcommittee on Silurian Stratigraphy. (Dr. M.G. Bassett, National Museum of Wales, Cathays Park, Cardiff CF1 3NP, Wales, U.K.)

May 10 - 19, 1989

• **IAHS** (3rd Scientific Assembly), Baltimore, U.S.A. (A. Ivan Johnson, Chairman of IAHS Assembly Organizing Committee, 7474 Upham Court, Arvada, CO 80003, U.S.A.)

May 14 - 17, 1989

GAC/MAC (Annual Meeting), Montreal, Quebec, Canada. (C. Stearn, Dept. Geological Sciences, McGill University, 3450 University Street, Montreal, Quebec, Canada H3A 2A7)

May 30 - June 2, 1989

EUROPEAN ASSOCIATION OF EXPLORATION GEOPHYSICISTS (51st Annual Meeting and Technical Exhibition), Berlin (W). (EAEG, Wassenaarweg 22, 2596 CH The Hague, The Netherlands)

July 9 - 19, 1989

★ **INTERNATIONAL GEOLOGICAL CONGRESS** (28th), Washington, D.C., U.S.A. (International Geological Congress, P.O. Box 1001, Herndon, VA 22070, U.S.A.)

Coming Events

July 27 - August 1, 1989

- **WATER-ROCK INTERACTION** (6th International Symposium), Bath, U.K. (Dr. W.M. Edmunds, Hydrogeology Group, British Geological Survey, Maclean Building, Crowmarsh Gifford, Wallingford, Oxfordshire, OX10 8BB, U.K.)

August 6 - 18, 1989

- **IASPEI-IAGA/IUGG** (Joint Assembly), Oslo, Norway. (Dr. R.D. Adams, International Seismological Centre, Newbury, Berkshire RG13 1LX, U.K.)

September 1989

- **ICE AND CLIMATE** (Symposium), Seattle, U.S.A. (Secretary-General, International Glaciological Society, Lensfield Road, Cambridge CB2 1ER, U.K.)

October 29 - November 2, 1989

- **SOCIETY OF EXPLORATION GEOPHYSICISTS** (Annual Meeting), Dallas, Texas, U.S.A. (Convention Assistant, SEG, P.O. Box 3098, Tulsa, OK 74101, U.S.A.)

November 9 - 12, 1989

- **GEOLOGICAL SOCIETY OF AMERICA** (Annual Meeting), St. Louis, Missouri, U.S.A. (Meetings Department, GSA, P.O. Box 9140, Boulder, CO 80301, U.S.A.)

1990

June 3 - 6, 1990

- **AAPG/SEPM** (Annual Meeting), San Francisco, California, U.S.A. (Convention Department, AAPG, Box 979, Tulsa, OK 74101, U.S.A.)

July 7 - 12, 1990

- **INTERNATIONAL MINERALOGICAL ASSOCIATION** (15th General Assembly), Beijing, China. (Prof. Huang Yunhui, IMA/1990, c/o Institute of Mineral Deposits, Chinese Academy of Geological Sciences, Baiwanzhuang Road 26, Fuchengmenwai, Beijing, P.R. China)

August 1990

- **INTERNATIONAL ASSOCIATION ON THE GENESIS OF ORE DEPOSITS** (8th Symposium), Ottawa, Canada. (R.W. Boyle, Geological Survey of Canada, 601 Booth Street, Ottawa, Canada K1A 0E8)

September 24 - 29, 1990

- **RELATIONS BETWEEN GROUNDWATER AND AQUIFERS** (International Symposium, IAH 22nd Congress), Lausanne, Switzerland. (Dr. A. Parriaux, EPFL, GCB (Ecublens), CH-1015 Lausanne, Switzerland)

October 29 - November 1, 1990

- **GEOLOGICAL SOCIETY OF AMERICA** (Annual Meeting), Dallas, Texas, U.S.A. (Meetings Department, GSA, P.O. Box 9140, Boulder, CO 80301, U.S.A.)

1991

April 7 - 10, 1991

- **AAPG/SEPM** (Annual Meeting), Dallas, Texas, U.S.A. (Convention Department, AAPG, Box 979, Tulsa, OK 74101, U.S.A.)

October 20 - 24, 1991

- **SOCIETY OF EXPLORATION GEOPHYSICISTS** (Annual Meeting), New Orleans, Louisiana, U.S.A. (Convention Assistant, SEG, P.O. Box 3098, Tulsa, OK 74101, U.S.A.)

October 21 - 24, 1991

- **GEOLOGICAL SOCIETY OF AMERICA** (Annual Meeting), San Diego, Calif., U.S.A. (Meetings Department, GSA, P.O. Box 9140, Boulder, CO 80301, U.S.A.)

1992

June 14 - 17, 1992

- **AAPG/SEPM** (Annual Meeting), Washington, D.C., U.S.A. (Convention Department, AAPG, Box 979, Tulsa, OK 74101, U.S.A.)

October 26 - 29, 1992

- **GEOLOGICAL SOCIETY OF AMERICA** (Annual Meeting), Cincinnati, Ohio, U.S.A. (Meetings Department, GSA, P.O. Box 9140, Boulder, CO 80301, U.S.A.)

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