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).
 • First announcement of meeting in EPISODES.

1984

August 4 - 14, 1984

- ★ **27th INTERNATIONAL GEOLOGICAL CONGRESS**, Moscow, U.S.S.R. (N.A. Bogdanov, Secretary General, 27th IGC, Staromonetny per. 22, Moscow 109180, U.S.S.R.)

August 6 - 8, 1984

- STABILITY IN UNDERGROUND MINING** (2nd International Conference), Lexington, Kentucky, U.S.A. (Department of Mining Engineering, University of Kentucky, Lexington, KY 40506, U.S.A.)

August 6 - 9, 1984

- FINE-GRAINED SEDIMENT: ORIGINS, TRANSPORT AND DISTRIBUTION** (SEPM Research Conference), San Jose, California. (D.S. Gorsline, Dept. Geological Sciences, University of Southern California, Los Angeles, CA 90089-0741, U.S.A.)

August 9 - 18, 1984

- CRYSTALLOGRAPHY** (13th General Assembly), Hamburg, F.R.G. (E.E. Snider, American Crystallographic Association, 335 East 45th Street, New York, NY 10017, U.S.A.)

August 10 - 13, 1984

- **SEPM** (1st Annual Mid-year Meeting), San Jose, California, U.S.A. (SEPM 1984 Mid-year Meeting, P.O. Box 4756, Tulsa, Oklahoma, U.S.A.)

August 10 - 14, 1984

- AUSTRALASIAN INSTITUTE OF MINING AND METALLURGY** (Annual Conference), Darwin, Northern Territories, Australia. (A.P. Bravo, Aus. IMM Darwin Branch, P.O. Box 1510, Darwin, NT 5794, Australia)

August 13 - 17, 1984

- CHEMICAL OCEANOGRAPHY** (Gordon Research Conference), Meriden, New Hampshire. (A.M. Cruickshank, Pastore Chemical Laboratory, Univ. of Rhode Island, Kingston, RI 02281, U.S.A.)

August 15 - 24, 1984

- INTERNATIONAL PALEOBOTANICAL CONFERENCE**, Edmonton, Alberta, Canada. Sponsored by the International Organization of Paleobotany, to take place before the 6th International Palynological Conference. Field excursions. (Dr. Ruth A. Stockey, Dept. of Botany, The University of Alberta, Edmonton, Alberta, Canada T6G 2E9)

August 15 - 28, 1984

- ★ **RELATIONSHIP BETWEEN GLACIAL TERRAIN AND GLACIAL SEDIMENT FACIES** (Annual Meeting INQUA Commission on Genesis and Lithology of Quaternary Deposits), Lethbridge, Alberta, Canada. (Dr. Mark M. Fenton, Alberta Geological Survey, 4445 Calgary Trail South, Edmonton, Canada T6G 5R7)

August 19 - September 2, 1984

- FIELD SYMPOSIUM ON THE CALEDONIDES OF THE BRITISH ISLES** (NATO Institute), U.K. (A.L. Harris, Dept. of Geology, University of Liverpool, Box 147, Liverpool, L69 3BX, U.K.)

August 20 - 24, 1984

- ORGANIC GEOCHEMISTRY** (Gordon Research Conference), Plymouth, New Hampshire. (R.H. Reitsma, Marathon Oil Co., Box 269, Littleton, CO 80160, U.S.A.)

August 20 - 24, 1984

- ORIGIN OF LIFE** (Gordon Research Conference), New London, N.H. (A.M. Cruickshank, Pastore Chemical Laboratory, Univ. of Rhode Island, Kingston, RI 02281, U.S.A.)

August 24 - 30, 1984

- ★ **6TH INTERNATIONAL PALYNOLOGICAL CON-**

ERENCE, Calgary, Alberta, Canada. Sponsored by ICP, CSPG, the University of Calgary, and Arctic Institute. (L. Kokoski, Conference Office, Faculty of Continuing Education, Education Tower Room 102, Calgary, Alberta, Canada T2N 1N4)

August 26 - 31, 1984

- ★ **THE ROLE OF AUSTRALIA IN STRENGTHENING THE GEOSCIENCES IN DEVELOPING COUNTRIES** (Seminar), Canberra, Australia. Sponsored by AGID and ILP. (M.B. Katz, School of Applied Geology, University of New South Wales, Box 1, Kensington, N.S.W. 2033, Australia)

August 26 - 31, 1984

- 7th AUSTRALIAN GEOLOGICAL CONVENTION**, North Ryde, NSW. (Secretary 7AGC, P.O. Box 383, North Ryde, NSW 2113, Australia)

August 27 - 30, 1984

- **GEOSCIENCE AND REMOTE SENSING** (IEEE International Symposium), Strasbourg, France (Prof. P. Gudmandsen, IGARSS '84 General Chairman, Technical University of Denmark, Lyngby, Copenhagen, Denmark).

August 27 - September 1, 1984

- **MODERN AND FOSSIL DIATOMS** (8th International Symposium), Paris, France. (R. Gasse, Ecole Normale Supérieure, 92260 Fontenay-aux-Roses, France)

August 27 - 31, 1984

- SYMPOSIUM ON ICE** (7th IAHR), Hamburg, F.R.G. (J. Schwarz, Ice Engineering Div., Hamburgische Schiffbau-Versuchsanstalt GmbH., P.O. Box 600 929, 2000 Hamburg, F.R.G.)

August 27 - 31, 1984

- 25TH INTERNATIONAL GEOGRAPHICAL CONGRESS** (and Meeting of the 16th General Assembly of the International Geographical Union), Paris, France. (Comité d'Organisation du Congrès International de Géographie, 19 rue Isidore-Pierre, 14000 Caen, France)

August 27 - 31, 1984

- WATER MOVEMENT IN HEAVY CLAY SOILS** (International Symposium), Wageningen, Netherlands. (Dr. W.G. Sombroek, ISSS, International Soil Museum, 9 Duivendaal, POB 353, 6700 A.J. Wageningen, The Netherlands)

August 28 - 31, 1984

- **SEDIMENT WATER SCIENCE** (3rd International Symposium), Geneva, Switzerland. (The Secretariat CEP Consultants Ltd, 26 Albany Street, Edinburgh EH1 3QH, Scotland, U.K.)

August 28 - 31, 1984

- WATER AND WASTE ENGINEERING FOR DEVELOPING COUNTRIES** (Conference), Singapore. (John Pickford, WEDC Group Leader, University of Technology, Loughborough, Leics. LE11 3TU, U.K.)

September 1984

- MINING TECHNIQUES FOR ALLUVIAL TIN DEPOSITS** (International Seminar), Ipoh, Malaysia. (The Director, SEATRAD Centre, Tiger Lane, Ipoh, Malaysia)

September 1984

- ★ **TYRRHENIAN OF ALGERIA** (International Field Meeting), Algeria. Organised by INQUA. (Centre de Recherches Anthropologiques, Préhistoriques et Ethnographiques (CRAPE), Institut des Sciences Humaines, Le Bardo, 3, rue Franklin D. Roosevelt, Alger, Algeria)

September 1984

- ★ **INTERGLACIAL MARINE DEPOSITS, PAST AND PRESENT** (Symposium), Schleswig-Holstein,

F.R.G. Sponsored by INQUA. (Dr. H. Streiff, Niedersächs., Landesamt für Bodenforschung, Postfach 51 01 52, D-3000 Hannover 51, F.R.G.)

September 1 - 8, 1984

- **MAN INDUCED EFFECTS ON COASTAL GEOMORPHIC EVOLUTION** (Field Symposium), Atlantic Coast of France, Arcachon-Nantes. (Professor Roland Paskoff, 10, square Saint-Florentin, 78150 Le Chesnay, France)

September 2 - 7, 1984

- SNOW AND ICE PROCESSES AT THE EARTH'S SURFACE** (Symposium), Sapporo, Japan. (Mrs. H. Richardson, Secretary General, International Glaciological Society, Lensfield Road, Cambridge CB2 1ER, U.K.)

September 3 - 5, 1984

- DYNAMIC SOIL STRUCTURE INTERACTION** (International Symposium), Minneapolis, U.S.A. (International Symposium on Dynamic Soil-structure Interaction, Department of Civil and Mineral Engineering, 500 Pillsbury Drive SE, University of Minnesota, Minneapolis, MN 55455, U.S.A.)

September 3 - 6, 1984

- ★ **JURASSIC STRATIGRAPHY** (IUGS Subcommission International Symposium), Erlangen, F.R.G. (Prof. Dr. A. Zeiss, Paläontol. Inst. Univ. Loewenichstrasse 28, D-8520 Erlangen, F.R.G.)

September 3 - 6, 1984

- DESIGN AND PERFORMANCE OF UNDERGROUND EXCAVATIONS** (International Symposium), London, U.K. (Miss Y. Brooks, ISRM 1984 Symposium Conference Office, Institution of Civil Engineers, Great George Street, Westminster, London SW1 JAA, U.K.)

September 3 - 8, 1984

- ★ **EVOLUTION OF THE CALEDONIAN-APPALACHIAN OROGEN** (Final Symposium of IGCP Project 27), Glasgow, Scotland. (A.L. Harris, The University of Liverpool, Jane Herdman Laboratories of Geology, Brownlow Street, P.O. Box 147, Liverpool L69 3BX, U.K.)

September 6 - 9, 1984

- ★ **MEDITERRANEAN NEOGENE, MARINE MEGAFAUNAL PALAEOENVIRONMENTS, AND BIOSTRATIGRAPHY** (Interim Colloquium, RCMN), Athens, Greece. (Prof. E. Georgiades-Dikeoulia, Laboratory of Stratigraphy and Palaeontology, Athens University, Panepistimiopolis, Post Office Zografou, Athens 15701, Greece)

September 6 - 11, 1984

- MESOZOIC TERRESTRIAL ECOSYSTEMS** (Symposium), Stuttgart - Tübingen, F.R.G. Language: English. (Dr. Frank Westphal, Institut und Museum für Geologie und Paläontologie, Sigwartstrasse 10, D-7400 Tübingen 1, F.R.G.)

September 8 - 13, 1984

- ★ **EUROPEAN ASSOCIATION OF SCIENCE EDITORS AND COUNCIL OF BIOLOGY EDITORS** (Conference), Cambridge, U.K. (EASE Secretary/Treasurer, Nancy Morris, P.O. Box 33, Farnham, Surrey GU10 3JX, U.K.)

September 10 - 12, 1984

- OCEANS 84** (Conference), Washington, D.C. (Oceans 84 Technical Program Committee, 1730 M St. NW, Suite 412, Washington, D.C. 20036, U.S.A.)

September 10 - 14, 1984

- TITANIUM** (5th International Conference), Munich, F.R.G. (Deutsche Gesellschaft für Metallkunde EV, Adenauerallee 21, D-6370 Oberursel 1, F.R.G.)

Coming Events ...

September 11 - 12, 1984

HABITAT OF PALAEOZOIC GAS IN NW EUROPE (Meeting), London, U.K. Geological Society-Petroleum Group. (Geological Society, Burlington House, Piccadilly, London W1V 0JU, U.K.)

September 11 - 15, 1984

GEOLOGY OF BOLIVIA (2nd Congress), Cochabamba, Bolivia. Language: Spanish. (Secretary General, II Geological Congress of Bolivia, Casilla 183, Cochabamba, Bolivia)

September 12 - 14, 1984

DEGRADATION, RETENTION, AND DISPERSION OF POLLUTANTS IN GROUNDWATER (Seminar), Copenhagen, Denmark. (Erik Arvin, Department of Environmental Engineering, Building 115C, Technical University of Denmark, DK-2800 Lyngby, Denmark)

September 12 - 14, 1984

ALKALINE IGNEOUS ROCKS (Geological Society of London Symposium), Edinburgh, Scotland. (J.G. Fitton, Grant Institute of Geology, West Mains Road, Edinburgh EH9 3JW, Scotland, U.K.)

September 13 - 16, 1984

• **WATER-KEY TO DEVELOPMENT OF MAGHREB** (Meeting), Oran, Algeria. (Département de Géologie, Université d'Oran, BP 16, Es Senia, Algeria).

September 13 - 19, 1984

★ **DYNAMICAL AND CHRONOLOGICAL RELATIONS BETWEEN GLACIAL AND PERIGLACIAL DEPOSITS** (Annual Meeting INQUA Subcommission on European Quaternary Stratigraphy), Besançon, France. (Dr. Michel Campy, Labo de Géologie Historique, Institut des Sciences Naturelles, Place Leclerc, F-25030 Besançon, France)

September 14 - 16, 1984

GEOLOGY AND GENESIS OF MINERAL DEPOSITS IN IRELAND (International Conference), Dublin, Ireland. (J. Ashton, Tara Mines Geology Dept., Knockumber, Co. Meath, Ireland)

September 15 - 21, 1984

★ **NORTH SEA COASTAL ZONE**. Jade Bay to Jammer Bight (INQUA Subcommission Field Conference), North Sea area. (Dr. Hansjorg Streif, Niedersächsisches Landesamt für Bodenforschung, Postfach 51 01 52, D-3000 Hannover 51, F.R.G.)

September 16 - 22, 1984

★ **LANDSLIDES** (4th International Symposium), Toronto, Canada. Sponsored in part by IAEG. (Mr. J.L. Seychuk, Chairman, Organizing Committee, ISL/84, P.O. Box 370, Station A, Rexdale, Ont., Canada M9W 5L3)

September 17 - 20, 1984

AQUATECH '84 (12th International Congress), Amsterdam, The Netherlands. Sponsored by the International Association for Water Pollution Research. (IAWPR, Alliance House, 29/30 High Holborn, London WC1V 6BA, U.K.)

September 20 - 25, 1984

RECENT ADVANCES IN PETROLEUM EXPLORATION AND DEVELOPMENT (Meeting), Beijing, P.R. China. Co-sponsored by CPEMRC and Chinese Petroleum Geology Society. (R.J. Foster, BHP Petroleum, G.P.O. Box 1911R, Melbourne, 3001 Australia)

September 23 - 28, 1984

TRANSPORT PROCESSES IN FRACTURE ROCK (Penrose Conference), Park City, Utah. (L.J. Smith, Dept. of Geological Sciences, Univ. of British Columbia, Vancouver, B.C., Canada V6T 2B4)

September 23 - 29, 1984

• **GEODESY AND PHYSICS OF THE EARTH** (5th International Symposium), Potsdam, D.D.R. (Dr. E. Buschmann, Zentralinstitut für Physik der Erde, Telegrafenberg A17, 1500 Potsdam, German Democratic Republic)

September 24 - 28, 1984

• **SALT LAKES, EVAPORITES, AEOLIAN DEPOSITS** (Workshop on Cenozoic Salt Lakes and Arid Zone Hydrology, Geochemistry, Stratigraphy, and Paleo-environments), Mathoura, New South Wales, Australia. (J.M. Bowler, Department of Biogeography and Geomorphology, Research School of Pacific Studies, Australian National University, GPO Box 4, Canberra 2601, Australia)

September 24 - 28, 1984

ASSESSMENT OF SOIL SURFACE SEALING AND CRUSTING (International Symposium), Ghent, Belgium. Language: English. (Organizing Committee, International Conference, Department of Soil Physics, State University of Ghent, Coupure Links 653, 9000 Ghent, Belgium)

September 24 - 28, 1984

ICSU (20th General Assembly), Ottawa, Canada. (K. Charbonneau, Conference Office, National Research Council, Ottawa, Canada K1A 0R6)

September 25, 1984

GLOBAL CHANGE (ICSU Symposium), Ottawa, Canada. (K. Charbonneau, Conference Office, National Research Council, Ottawa, Canada K1A 0R6)

September 25 - 27, 1984

FOSSIL ARTHROPODS AS LIVING ORGANISMS (International Symposium), Edinburgh, U.K. (Royal Society of Edinburgh, 22-24, George St., Edinburgh EH2 2PQ, U.K.)

September 25 - October 3, 1984

• **MOUNTAINOUS SOILS** (International Meeting), Sofia, Bulgaria. Language: English. (Organizing Committee, Meeting on Mountainous Soils, 5 Shosse Bankya, P.O. Box 1369, 1080 Sofia, Bulgaria)

September 26 - 28, 1984

SEDIMENTATION IN THE AFRICAN RIFT SYSTEM (Geological Society Meeting), London, U.K. (L.E. Frostick, Dept. of Geology, Birkbeck College, 7/15 Gresse Street, London W1P 1PA, U.K.)

September 28 - 29, 1984

• **TECTONIC GEOMORPHOLOGY** (15th Annual Symposium), Binghamton, New York, U.S.A. (Marie Morisawa, Department of Geological Sciences, SUNY, Binghamton, NY 13901, U.S.A.)

September 30 - October 6, 1984

★ **LATE QUATERNARY SEA-LEVEL CHANGES AND COASTAL EVOLUTION** (International Symposium and Field Meeting), Argentina and Chile. IGCP-200 and INQUA Commission on Quaternary Shorelines. (Dr. Enrique Schnack, International Sea-level Symposium, Casilla 722, Correo Central, 7600 Mar del Plata, Argentina)

October 1 - 4, 1984

• **PLANNING AND MANAGEMENT OF WATER RESOURCES** (International Conference), Athens, Greece. (5th International Conference on the Planning and Management of Water Resources, c/o EGA Productions, Piazza Trento, 2, 95128 Catania, Italy)

October 1 - 5, 1984

• **RECENT INVESTIGATIONS IN THE ZONE OF AERATION** (International Symposium), Munich, F.R.G. (P. Udluff, Institut für Wasserchemie der TU München, Marchioninistrasse 17, D-8000 München 70, F.R.G.)

October 1 - 5, 1984

SCIENTIFIC COMMITTEE ON ANTARCTIC RESEARCH (18th Meeting), Bremerhaven, F.R.G. (G. Hemmen, Scott Polar Research Institute, Lensfield Road, Cambridge, U.K. CB2 1ER)

October 1 - 5, 1984

EUROPEAN SEISMOLOGICAL COMMISSION (Assembly), Moscow, U.S.S.R. (Prof. A.V. Nikolayev, Institute of Physics of the Earth, Academy of Sciences of U.S.S.R., Bolshaya Gruzinskaya, 10, Moscow 123 242, U.S.S.R.)

October 1 - 5, 1984

REMOTE SENSING OF ENVIRONMENT (18th International Symposium), Paris, France. (Envi-

ronmental Research Institute of Michigan, P.O. Box 8618, Ann Arbor, MI 48107, U.S.A.)

October 1 - 6, 1984

★ **RIFT SEDIMENTS IN EASTERN AFRICA** (2nd Meeting IGCP 210), Dar es Salaam, Tanzania. (WOGACS, c/o CIFEG 103, rue de Lille, 75007 Paris, France)

October 1 - 6, 1984

CENTRAL ANDEAN TECTONICS (Symposium), La Paz, Bolivia. (Secretaria, Commission National de Estudios Geofisicos, Casilla 5939, La Paz, Bolivia)

October 3 - 5, 1984

• **SCIENTIFIC BASIS FOR WATER RESOURCES MANAGEMENT** (Meeting), Jerusalem, Israel. (U. Shamir, Civil Engineering, Technion, Haifa 32000, Israel)

October 7 - 12, 1984

★ **BUENOS AIRES COASTAL PLAIN - NORTH PATAGONIA COAST** (Field Meeting), Mar del Plata, Argentina. INQUA Shorelines Commission. (Dr. Enrique Schnack, Casilla 722, Correo Central, RA - 7600 Mar del Plata, Argentina)

October 8 - 10, 1984

ASSOCIATION OF EARTH SCIENCE EDITORS (Annual Meeting), Portland, Oregon, U.S.A. (Beverly Vogt, Oregon Department of Geology, 1005 State Office Building, Portland, OR 97201, U.S.A.)

October 8 - 11, 1984

• **TRAINING FOR REMOTE SENSING USERS** (International Conference), Toulouse, France. Languages: English and French. (G.D.T.A. Formation, Section "Colloques," 18, avenue Edouard-Belin, 31055 Toulouse Cédex, France)

October 8 - 12, 1984

BIOGEOCHEMICAL CYCLING OF S AND N IN REMOTE AREAS (NATO Workshop), St. Georges, Bermuda. (J.N. Galloway, Environmental Studies Dept., University of Virginia, Charlottesville, VA 220903, U.S.A.)

October 9 - 14, 1984

IN SITU SOIL AND ROCK REINFORCEMENT (International Conference), Paris, France. (Conference Director, ENPC/DFCAI, 52, rue Madame, 75006 Paris, France)

October 11 - 19, 1984

• **ICSEM** (29th Congress and Plenary Assembly), Lucerne, Switzerland. (Secrétariat Général de la CIEM, 16 boulevard de Suisse, MC 98030 Monte-Carlo Cédex, Monaco)

October 12 - 17, 1984

★ **GLACIAL GEOMORPHOLOGY AND STRATIGRAPHY** (INQUA and IGCP 201 Field Meeting), San Carlos de Bariloche, Argentina. (Dr. Enrique J. Schnack, Centro de Geología de Costas, Casilla 722, Correo Central, 7600 Mar del Plata, Argentina)

October 13 - 16, 1984

ORIGIN OF THE MOON (Topical Conference), Kona, Hawaii. (P. Jones, LPI, 3303 NASA Road One, Houston, TX 77058, U.S.A.)

October 14 - 20, 1984

MINERAL PROCESSING AND EXTRACTIVE METALLURGY. (International Conference), Kunming, P.R. China. (The Secretary, Institution of Mining and Metallurgy, 44 Portland Place, London W1N 4BR, U.K.)

October 15 - 17, 1984

SINKHOLES (1st Multidisciplinary Conference), Orlando, Florida, U.S.A. (College of Extended Studies, University of Central Florida, Orlando, FL 32816)

October 15 - 18, 1984

LATIN AMERICAN CONGRESS OF PALAEOONTOLOGY (3rd Congress), Oaxtepec, Morelos, Mexico. (Dr. Jose C. Guerrero, Universidad Nacional Autonoma de Mexico, Mexico D.F., Mexico)

Coming Events ...

October 17 - 21, 1984

- ★ **EVOLUTION OF THE NORTHERN MARGIN OF TETHYS** (IGCP 198 Meeting), Bratislava, Czechoslovakia. (Alan E.M. Nairn, Earth Sciences and Resources Institute, University of South Carolina, Columbia, SC 29208, U.S.A.)

October 17 - 19, 1984

- AIPG** (Annual Meeting), Orlando, Florida, U.S.A. (Bobby J. Timmons, Timmons Associates, P.O. Box 50606, Jacksonville Beach, FL 32250, U.S.A.)

October 17 - 20, 1984

- AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS** (Annual Meeting and Field Trip), Arlington, Virginia, U.S.A. (N.O. Frederiksen, U.S. Geological Survey, M.S. 970, Reston, VA 22092, U.S.A.)

October 21 - 25, 1984

- SOCIETY OF EXPLORATION GEOPHYSICISTS** (54th Annual Meeting), Denver, Colorado, U.S.A. (H. Breck, Society of Exploration Geophysicists, P.O. Box 3098, Tulsa, OK 74101, U.S.A.)

October 21 - 28, 1984

- **STRATEGIES FOR ENVIRONMENTALLY SOUND DEVELOPMENT IN THE MINING AND ENERGY INDUSTRIES** (Management Seminar), Chania, Crete, Greece. (Sandra M. Ralston, CEMP, Department of Geography, University of Aberdeen, Old Aberdeen AB9 2UF, Scotland, U.K.)

October 24 - 26, 1984

- ★ **NATURE OF THE LOWER CONTINENTAL CRUST** (Joint Meeting Geological Society of London with 3rd Alfred Wegener Conference), London. Co-sponsored by ILP. (Prof. J.B. Dawson, Department of Geology, The University, Sheffield, S1 3JD, England, U.K.)

October 25 - 27, 1984

- **FOSSIL ARTHROPODS AS LIVING ORGANISMS** (International Symposium), Edinburgh, U.K. (Royal Society of Edinburgh, 22-24 George Street, Edinburgh EH2 2PQ, Scotland, U.K.)

October 25 - November 5, 1984

- GEOLOGY OF TIN DEPOSITS** (International Symposium), Nanning City, Guangxi Zhuang Autonomous Region, P.R. China. (Mr. Zhang Sihui, Chinese Academy of Geological Sciences, Baiwanzhuang Road 26, Fuchengmenwai, Beijing, People's Republic of China)

October 26 - 28, 1984

- ★ **EXPLORATION GEOPHYSICS** (Seminar), Hyderabad, India. (Prof. V.L.S. Bhimasankaram, Secretary, AEG, Centre of Exploration Geophysics Building, Osmania University, Hyderabad 500 007, India)

October 29 - November 2, 1984

- **EXPLORATION GEOCHEMISTRY** (Symposium), Rio de Janeiro, Brazil (Technical and Scientific Committee for Geochemistry, Box 2432, Rio de Janeiro. RJCEP 20 001, Brazil).

October 29 - November 2, 1984

- INTERNATIONAL WATER SUPPLY ASSOCIATION** (15th International Congress), Tunis, Tunisia. (R. Clark, International Water Supply Association, 1 Queen Anne's Gate, London SW1H 9BT, U.K.)

October 31 - November 7, 1984

- ★ **SEISMOLOGY AND PHYSICS OF THE EARTH'S INTERIOR** (Regional Assembly of the International Association), Hyderabad, India. Plus short course for developing countries on inversion of geoscience data. Co-sponsored in part by ILP. (Organising Committee, IASPEI Regional Assembly, National Geophysical Research Institute, Hyderabad 500 007, India)

November 1984

- **MINERAL ECONOMICS OF THE WEST AFRICAN BASEMENT** (Workshop), Accra, Ghana. (CIFEG 103, rue de Lille, 75007 Paris, France)

November/December 1984

- LAND EVALUATION FOR SOIL EROSION HAZARD ASSESSMENT** (Meeting), Enschede,

Netherlands. (Dr. W.G. Sombroek, ISSS, International Soil Museum, 9 Duivendaal, POB 353, 6700 A.J. Wageningen, The Netherlands)

November 5 - 8, 1984

- GEOLOGICAL SOCIETY OF AMERICA** (Annual Meeting), Reno, Nevada, U.S.A. (S.S. Beggs, Geological Society of America, P.O. Box 9140, 3300 Penrose Place, Boulder, CO 80301, U.S.A.)

November 5 - 9, 1984

- **GEOPRESSURES AND HYDROCARBON OCCURRENCES** (Symposium), Banff, Alberta, Canada. (Mrs. Pat Larham, Faculty of Extension, The University of Alberta, Edmonton, Alberta, Canada T6G 2G4)

November 5 - 9, 1984

- ARGENTINE GEOLOGICAL CONGRESS** (9th), Bariloche, Argentina. Field trips. Languages: Spanish, English, and French. (IX Congreso Geológico Argentino, Maipu 645 Piso 1, 1006 Buenos Aires, Argentina)

November 6 - 7, 1984

- NORTH ATLANTIC PALAEOCEANOGRAPHY** (Marine Studies Group Meeting), London. (Geological Society, Burlington House, Piccadilly, London W1, U.K.)

November 12 - 17, 1984

- WATER FOR SOUTH AFRICA** (Exposition and Conference), Johannesburg, South Africa. Sponsored by National Water Well Association (U.S.) and Borehole Water Association (S.A.). (Pat Alcorn, NWWA, 500 W. Wilson Bridge Road, Worthington, Ohio 43085, U.S.A.)

November 12 - 30, 1984

- RURAL HYDROGEOLOGY AND HYDRAULICS IN FISSURED BASEMENT ZONES** (Workshop), Roorkee, India. (Prof. B.B.S. Shinghal, Department of Earth Sciences, University of Roorkee, Roorkee 247667, India)

November 13 - 15, 1984

- OPHIOLITES THROUGH TIME** (Conference), Nancy, France. (J. Desmons, Université de Nancy I, Laboratoire de Pétrologie, B.P. 239, F-54506 Vandoeuvre-lès-Nancy Cedex, France)

November 15 - 17, 1984

- ★ **MINERAL POLICY FOR SMALL-SCALE MINING** (Workshop), New Delhi, India. Cosponsored by AGID in conjunction with World Mining Congress. (Co-ordinator, Regional Mineral Resources Development Centre, P.O. Box 19, Bandung, Indonesia)

November 19 - 23, 1984

- 12th WORLD MINING CONGRESS**, New Delhi, India. (Organizing Committee, Institute of Engineers, 8 Gokhale Road, Calcutta 700 020, India)

December 1984

- ★ **CLIMAT - MILIEU - HOMME** (Colloquium), Dakar, Senegal. Co-sponsored in part by INQUA and Unesco. (Dr. E.S. Diop, University of Dakar, Department of Geography, Dakar-Fann, Senegal)

December 2 - 5, 1984

- FUTURE PETROLEUM PROVINCES OF THE WORLD** (AAPG W.E. Pratt Memorial Conference), Phoenix, Ariz., U.S.A. (AAPG, P.O. Box 979, Tulsa, OK 74101, U.S.A.)

December 2 - 6, 1984

- SOCIETY OF EXPLORATION GEOPHYSICISTS** (54th Annual Meeting), Atlanta, Georgia, U.S.A. (J. Hyden, SEG, Box 3098, Tulsa, OK 74101, U.S.A.)

December 3 - 7, 1984

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

1985

January 1985

- ACID-SULPHATE SOILS** (Meeting), Dakar, Senegal. (Dr. W.G. Sombroek, ISSS, International Soil Museum, 9 Duivendaal, POB 353, 6700 A.J. Wageningen, The Netherlands)

January 7 - 10, 1985

- ★ **HYDROGEOLOGY OF ROCKS OF LOW PERMEABILITY** (17th International Congress of IAH), Tucson, Arizona, U.S.A. (Eugene S. Simpson, Department of Hydrology and Water Resources, College of Earth Sciences, The University of Arizona, Tucson, AZ 85721, U.S.A.)

February 1985

- INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION ASSEMBLY** (13th Session), Paris, France. (Unesco, 7, place de Fontenoy, 75700 Paris, France)

February 1 - 10, 1985

- **PAN-ARABIC CRUSTAL EVOLUTION IN ARABIA AND NORTHEAST AFRICA** (2nd IGCP - 164 Symposium), Jeddah, Saudi Arabia. Field excursions. (Dr. Ahmed Al-Shanti, P.O. Box 1744, Jeddah 21441, Saudi Arabia)

February 11 - 14, 1985

- GEOMECHANICS IN TROPICAL LATERITE AND SAPROLITIC SOILS** (1st International Conference), Sao Paulo, Brazil. (Dr. W.C. Hachich, Secretary ISTS-BMS, C.P. 7141, 01000 Sao Paulo, SP, Brazil)

February 11 - 14, 1985

- ASIAN MINING '85** (2nd Conference), Manila, Philippines. (Meeting Secretary, The Institution of Mining and Metallurgy, 44 Portland Place, London W1N 4BR, U.K.)

February 24 - 28, 1985

- **AIME** (Annual Meeting), New York, NY, U.S.A. (AIME, 345 East 47th Street, New York, NY 10017, U.S.A.)

February 24 - 28, 1985

- **SALTS AND BRINES '85** (Meeting), New York, U.S.A. (William C. Larson, Twin Cities Research Center, Bureau of Mines, 5629 Minnehaha Avenue S, Minneapolis, MN 55417, U.S.A.)

February 25 - March 1, 1985

- **TROPICAL PEAT RESOURCES: PROSPECTS AND POTENTIAL** (Symposium), Kingston, Jamaica. (Dr. Barry Wade, IPS Symposium, Petroleum Corporation of Jamaica, P.O. Box 579, Kingston 10, Jamaica, W.I.)

February 27 - March 2, 1985

- GEOLOGY OF THE OCEANS** (75th Annual meeting of the Geologische Vereinigung), Kiel, West Germany. Languages: English and German. (M. Sarnthein, Geologisch-Palaeontologisches Institut, Universitaet, Olshausenstrasse, D-2300 Kiel, F.R.G.)

February 28, 1985

- **PAUL F. KERR Memorial Symposium**, New York, U.S.A. (Otto C. Kopp, Department of Geological Sciences, University of Tennessee, Knoxville, TN 37996-1410, U.S.A.)

March 10 - 15, 1985

- **COAL** (International Conference), Tel Aviv, Israel. (Kenes, P.O. Box 50006, Tel Aviv 61 500, Israel)

March 11 - 15, 1985

- SE ASIAN GEOTECHNICAL CONFERENCE** (8th), Kuala Lumpur, Malaysia. (The Hon. Secretary, 8th SEAGC, The Institution of Engineers, Malaysia, P.O. Box 223, Petaling Jaya, Selangor, Malaysia)

March 11 - 15, 1985

- TUNNELLING '85** (4th International Symposium), Brighton, England. (Tunnelling '85, The Secretary, Institution of Mining and Metallurgy, 44 Portland Place, London W1N 4BR, U.K.)

March 24 - 30, 1985

- ★ **GEOCHEMICAL EXPLORATION IN TROPICAL RAIN FORESTS** (International Workshop), Manaus, Brazil. (Richard W. Lewis, Jr., Geoquímica Ltda., Rau Aguaraiba, 86, Bonsucesso, Rio de Janeiro, RJ-Brazil)

April 1985

- ★ **INTERNATIONAL ASSOCIATION OF SEDIMENTOLOGISTS** (6th Regional Meeting), Spain. (Dr. Cl. Monty, Laboratoire de Paléontologie Animale,

Coming Events ...

Universite de Liege, 7 Place du Vingt Aout, B-4000 Liege, Belgium)

April 1 - 4, 1985

EUROPEAN UNION OF GEOSCIENCES (Biennial Conference), Strasbourg, France. (Organizing Committee, Department of Earth Sciences, University of Cambridge, Downing Street, Cambridge CB2 3EQ, U.K.)

April 1 - 5, 1985

NUMERICAL METHODS IN GEOMECHANICS (5th International Conference), Nagoya, Japan. (Prof. T. Kawamoto, Department of Civil & Geotechnical Engineering, Nagoya University, Chikusa, Nagoya 464, Japan)

April 9 - 12, 1985

EVOLUTION OF THE EUROPEAN LITHOSPHERE (MEGS 4: Meeting of European Geological Societies), Edinburgh, U.K. (Dr. S.K. Monro, Institute of Geological Sciences, Murchison House, West Mains Road, Edinburgh EH9 3LA, Scotland, U.K.)

April 10 - 12, 1985

• **MACRO-MESO-MICRO** (Conference on structural geology), Utrecht, The Netherlands. (Vakgroep Structurele Geologie, Instituut voor aardwetenschappen, Budapestlaan 4, Rijkuniversiteit, Utrecht, The Netherlands)

April 14 - 17, 1985

PROSPECTING IN AREAS OF DESERT TERRAIN (Conference), Rabat, Morocco. (Conference Office, IMM, 44 Portland Place, London W1N 4BR, U.K.)

April 15 - 16, 1985

• **DEFORMATION MECHANISMS IN SEDIMENTS AND SEDIMENTARY ROCKS** (Geological Society of London Conference), London, U.K. (Dr. M.E. Jones, Department of Geology, Kings College London, Strand, London WC2 U.K.)

April 15 - 19, 1985

• **ANALYTICAL CHEMISTRY IN THE EXPLORATION, MINING AND PROCESSING OF MATERIALS** (2nd International Symposium), Pretoria, South Africa. (Symposium Secretariat, S.328, CSIR, P.O. Box 395, Pretoria 0001, South Africa)

April 15 - 19, 1985

• **NON-METALLIC MINERALS** (World Congress), Belgrade, Yugoslavia. Languages: English, Russian, Serbo-Croatian. (Svetski Kongres O Nemetalicnim Mineralnim, Sirovinama, Sava Centar, 11070 Beograd, Yugoslavia)

April 18 - 20, 1985

• **CONTINENTAL EXTENSIONAL TECTONICS** (Meeting), Durham, U.K. (J.F. Dewey, Department of Geological Sciences, University of Durham, Science Laboratories, South Road, Durham DH1 3LE, U.K.)

April 23 - 26, 1985

• **GROUNDWATER MANAGEMENT** (Conference), Berlin. (The Secretary-General, International Water Supply Association, 1 Queen Anne's Gate, London SW1H 9BT, U.K.)

April 28 - May 1, 1985

★ **GEOCHEMICAL EXPLORATION** (11th International AEG Symposium), Toronto, Canada. (Dr. W.B. Coker, Kidd Creek Mines Ltd., 357 Bay St., Ste. 300, Toronto, Ontario, Canada M5H 1T7)

May 1 - 2, 1985

• **OCEAN FRACTURE ZONES** (Meeting), London, U.K. (R.S. White, c/o Carolyn Symonds, Geological Society of London, Burlington House, Piccadilly, London W1, U.K.)

May 6 - 17, 1985

★ **NEOGENE PHOSPHORITES OF THE SE UNITED STATES** (International field workshop and seminar, IGCP 156), Greenville, N.C., to Tallahassee, Florida. (W.C. Burnett, Dept. of Oceanography, Florida State University, Tallahassee, FL 32306, U.S.A.)

May 7 - 10, 1985

• **CANADIAN SOCIETY OF EXPLORATION**

GEOPHYSICISTS (National Convention), Calgary, Alberta, Canada. (Canadian Society of Exploration Geophysicists, Room 229, 640 - 5th Avenue, S.W., Calgary, Alberta T2P 3G4, Canada)

May 13 - 17, 1985

• **TUNGSTEN** (3rd International Symposium), Madrid. (Mr. M.R.P. Maby, Secretary, Primary Tungsten Association, 280 Earls Court Road, London SW5 9AS, U.K.)

May 15 - 18, 1985

• **GAC/MAC** (Joint Annual Meeting), Fredericton, New Brunswick, Canada. (Dr. W. Van de Poll, Department of Geology, University of New Brunswick, Fredericton, New Brunswick, Canada E3B 5A3)

May 15 - 17, 1985

• **TURBIDITE-HOSTED GOLD DEPOSITS** (International Symposium), Fredericton, New Brunswick, Canada. (Simon J. Haynes, Nova Scotia Department of Mines and Energy, P.O. Box 1087, 1690 Hollis Street, Halifax, Nova Scotia, Canada B3J 2X1)

May 26 - 31, 1985

• **EASE** (2nd Conference), Holmenkollen, Norway. (Nancy Morris, EASE Secretariat, P.O. Box 33, Farnham, Surrey GU10 3JX, U.K.)

May 27 - 31, 1985

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

May 27 - June 1, 1985

★ **CORAL REEF CONGRESS: Reef and Man** (5th International), Papeete, Tahiti. Sponsored by IGCP 200, INQUA, ICL and IGU. (The Organizing Committee, Coral Reef Congress, Sea-level Meeting, B.P. 562 Papeete, Tahiti, French Polynesia)

June 2 - 9, 1985

• **INTERNATIONAL MINERAL PROCESSING CONGRESS** (15th), Cannes, France. Languages French and English. (International Mineral Processing Congress Secretary, BRGM SGN/Mineralurgie, B.P. 6009-45060 Orléans Cedex, France)

June 4 - 7, 1985

• **EUROPEAN ASSOCIATION OF EXPLORATION GEOPHYSICISTS** (47th Meeting), Budapest, Hungary. (E. van der Gaag, European Association of Exploration Geophysicists, P.O. Box 162, NL-2501 AN The Hague, The Netherlands)

June 4 - 7, 1985

★ **MAFIC DYKE SWARMS** (International Conference), Toronto, Ontario, Canada. Sponsored by IUGS, ILP, and GSC. (Dr. H.C. Halls, Erindale Campus, University of Toronto, Mississauga, Ontario, Canada L5L 1C6)

June 9 - 15, 1985

• **WATER RESOURCES** (5th World Congress), Brussels, Belgium. (Dr. L.W. Debacker, c/o Brussels International Conference Centre, Parc des Expositions, Place de Belgique, B-1020 Brussels, Belgium)

June 10 - 14, 1985

• **MINING 85** (International Conference), Birmingham, U.K. (Institution of Mining Engineers, Danum House, South Parade, Doncaster DN1 2DY, U.K.)

June 16 - 21, 1985

• **SEISMICITY AND SEISMIC RISK** (3rd International Symposium), Liblice, Czechoslovakia. (Dr. Z. Schenkova, Geophysical Institute, Bocni II, 14131 Prague 4, Czechoslovakia)

July 7 - 12, 1985

• **AUSTRALASIAN INSTITUTE OF MINING AND METALLURGY** (Annual Conference), Queensland, Australia. (AusIMM, P.O. Box 310, Carlton South, Victoria 3053, Australia)

July 7 - 19, 1985

• **KARST WATER RESOURCES** (International Symposium), Antalya/Ankara, Turkey. Sponsored by IAHS. (Prof. G. Gunay, Hydrogeological Engineer-

ing Department, Hacettepe University, Beytepe, Ankara, Turkey)

July 14 - 30, 1985

★ **MAGMATIC SULFIDES IN MAFIC ROCK** (IGCP 161 - Field Conference 4), Ketchikan, Alaska to Duluth, Minn. (Gerald K. Czamanske, M.S. 984, U.S. Geological Survey, Menlo Park, CA 94025, U.S.A.)

July 27 - August 7, 1985

• **4th INTERNATIONAL PLATINUM SYMPOSIUM**, Duluth, Minnesota, to Sudbury, Ontario. (A.J. Naldrett, Department of Geology, University of Toronto, Toronto, Ontario, Canada M5S 1A1)

July 28 - August 2, 1985

★ **8th INTERNATIONAL CLAY CONFERENCE**, Denver, Colorado, U.S.A. Sponsored by AIPEA. (Dr. A.J. Herbillon, Groupe de Physico-Chimie Minérale et de Catalyse, Univ. Catholique de Louvain, Place Croix du Sud 1, B-1348 Louvain-la-Neuve, Belgium)

July 29 - August 1, 1985

• **OSTRACODA** (9th International Symposium), Shizuoka, Japan. (Dr. Tetsuro Hanai, Institute of Geosciences, University of Shizuoka, Shizuoka, 422, Japan)

August 5 - 16, 1985

• **IAMAP/IAPSO** (Joint Assembly), Honolulu, Hawaii. (Joint Assembly, American Geophysical Union, 2000 Florida Avenue NW, Washington, DC 20009, U.S.A.)

August 5 - 17, 1985

• **MAGNETIC ANOMALIES OVER MARGINS OF CONTINENTS AND PLATES** (IAGA Symposium), Prague, Czechoslovakia. (Mr. Vaclav Bucha, Geophysical Institute of Czechoslovakia, Acad. Sci., Bocni II, 141 31 Prague 4, Czechoslovakia)

August 6 - 10, 1985

• **SCIENCE AND TECHNOLOGY EDUCATION AND THE QUALITY OF LIFE** (International Conference), Bangalore, India. Sponsored by ICSU/CTS (J. Lewis, Physics Department, Malvern College, Malvern, Worcs., U.K.)

August 6 - 10, 1985

• **GROUND FREEZING** (4th International Symposium), Sapporo, Japan. (ISGF85, Institute of Low Temperature Science, Hokkaido University, Sapporo 060, Japan)

August 11 - 15, 1985

• **INTERNATIONAL SOCIETY FOR SOIL MECHANICS AND FOUNDATION ENGINEERING** (11th International Conference), San Francisco, California, U.S.A. (K. Hyland, American Society of Civil Engineers, 345 East 47th Street, New York, NY 10017, U.S.A.)

August 12 - 16, 1985

• **OCCURRENCE, PROPERTIES, AND UTILIZATION OF NATURAL ZEOLITES** (International Conference), Budapest, Hungary. (Dr. J. Engelhardt, Central Research Institute for Chemistry, Hungarian Academy of Sciences, H-1525 Budapest, P.O. Box 17, Hungary)

August 19 - 23, 1985

★ **GONDWANA** (6th Symposium), Columbus, Ohio, U.S.A. Sponsored by IUGS and Geological Society of America. (D. Elliott, Institute of Polar Studies, Ohio State University, 103 Mendenhall, 125 South Oval Mall, Columbus, OH 43210, U.S.A.)

August 19 - 24, 1985

• **CHILEAN GEOLOGICAL CONGRESS** (4th), Antofagasta, Chile. (4th Chilean Geological Congress, Department of Geosciences, Universidad del Norte, Casilla Box 1280, Antofagasta, Chile)

August 19 - 30, 1985

• **IASPEI** (23rd General Assembly), Tokyo, Japan. (Prof. R. Sato, c/o Inter Group Corp., Akasaka Yamakatsu Building, 8-5-32 Akasaka, Minato-ku, Tokyo 107, Japan)

August 21 - 23, 1985

• **PALEOENVIRONMENTAL RECONSTRUCTION**

Coming Events ...

OF THE LATE WISCONSIN DEGLACIATION AND THE HOLOCENE, Lethbridge, Alberta, Canada. (Dr. René W. Barendregt, Department of Geography, The University of Lethbridge, 4401 University Drive, Lethbridge, Alberta, Canada T1K 3M4)

August 24 - September 2, 1985

- ★ **GRAPTOLITES** (3rd International Conference, Graptolite Working Group IPA), Helsingør, Denmark. (Dr. M. Bjerreskov, Institute of Historical Geology and Palaeontology, University of Copenhagen, Øster Voldgade 10, DK-1350, Copenhagen K, Denmark)

August 26 - 29, 1985

- ★ **GLACIER MAPPING AND SURVEYING** (Symposium), Reykjavik, Iceland. (Mrs. H. Richardson, Secretary General, International Glaciological Society, Lensfield Road, Cambridge CB2 1ER, U.K.)

August 26 - 30, 1985

- ★ **GEOTHERMAL ENERGY** (International Symposium), Hawaii, U.S.A. (Geothermal Resources Council, P.O. Box 1350, Davis, CA 95617, U.S.A.)

September 1985

- ★ **ASSESSMENT OF THE ROLE OF CO₂ ON CLIMATE VARIATIONS AND THEIR IMPACTS** (Meeting), Austria. (Prof. L. Ernster, 51 boulevard de Montmorency, F-75016 Paris, France)

September 1985

- ★ **VARIATIONAL METHODS IN GEOSCIENCES** (International Symposium), Norman, Oklahoma, U.S.A. (CIMMS, Attn: Y.K. Sasaki, The University of Oklahoma, 815 Jenkins, Norman, Oklahoma 73019, U.S.A.)

September 1985

- ★ **ROLE OF ROCK MECHANICS IN MINING** (International Symposium), Mexico City, Mexico. (Sociedad Mexicana de Mecánica de Rocas AC, Camino a Santa Teresa 187, Villa Olímpica, MEX-14020 Mexico DF, Mexico)

September 2 - 7, 1985

- ★ **FORELAND BASINS** (Research Symposium), Fribourg, Switzerland. Sponsored by IAS. (P. Home-wood, Institut de Géologie, Université de Fribourg, Pérolles, CH-1700 Fribourg, Switzerland)

September 3 - 5, 1985

- ★ **EROSION DEBRIS FLOW AND DISASTER PREVENTION** (International Symposium), Tsukuba, Japan. (Dr. S. Kobaski, ISEDD 1985, Department of Forestry, Kyoto University, Kyoto 606, Japan)

September 5 - 10, 1985

- ★ **CARPATHO-BALKAN GEOLOGICAL ASSOCIATION** (13th Congress), Krakow, Poland. (Oddział Karpacki Instytutu Geologicznego, ul. Skrzatów 1, 31-560 Krakow, Poland)

September 8 - 13, 1985

- ★ **HYDROGEOLOGY IN THE SERVICE OF MAN** (18th IAH Congress - International Symposium), Cambridge, U.K. (J. Day, Hydrogeology Unit, Maclean Building, Crowmarsh Gifford, Wallingford, OX10 8BB, U.K.)

September 9 - 13, 1985

- ★ **FOSSIL AND LIVING BRACHIOPODS** (Meeting), Brest, France. (Congrès Brachiopodes, Univ. Bretagne Occidentale, Laboratoire du Paléozoïque - 6, av. Le Gorge, 29283 Brest Cedex, France)

September 15 - 20, 1985

- ★ **BASEMENT TECTONICS** (6th International Conference), Santa Fe, New Mexico, U.S.A. (Dr. M. James Aldrich, Mail Stop D461, P.O. Box 1663, Los Alamos National Laboratory, Los Alamos, NM 87545, U.S.A.)

September 15 - 21, 1985

- ★ **GEOMORPHOLOGY, RESOURCES, ENVIRONMENT AND THE DEVELOPING WORLD** (International Conference), Manchester, U.K. (Prof. Ian Douglas, School of Geography, University of Manchester, Manchester M13 9PL, U.K.)

September 15 - 22, 1985

- ★ **REGIONAL COMMITTEE ON MEDITERRANEAN NEOGENE STRATIGRAPHY** (8th Congress), Budapest, Hungary. Language: English. (Organizing Committee of the 8th Congress of the RCMNS, Hungarian Geological Survey, Néptudományi út 14, H-1442 Budapest, P.O.B. (Pf.) 106, Hungary)

September 16 - 21, 1985

- ★ **GEOPHYSICAL AND PETROLOGICAL CONSTRAINTS TO MAGMA GENERATION** (IAVCEI Scientific Assembly), Catania, Italy. (G. Frazetta, Istituto Internazionale di Vulcanologia, Viale Regina Margherita 6, 95123 Catania, Italy)

September 19 - 21, 1985

- ★ **GEOLOGICAL SOCIETIES OF THE BRITISH ISLES** (6th Meeting), Birmingham, U.K. (Prof. P.A. Garrett, Department of Geological Sciences, The University of Birmingham, P.O. Box 363, Edgbaston, Birmingham B15 2TT, U.K.)

September 22 - 26, 1985

- ★ **HIGH HEAT PRODUCTION, GRANITES, HYDROTHERMAL CIRCULATION AND ORE GENESIS** (Conference), St. Austell, Cornwall, U.K. (IMM, 44 Portland Place, London W1N 4BR, U.K.)

September 22 - 28, 1985

- ★ **CHEMRAWN IV: CHEMISTRY AND RESOURCES OF THE GLOBAL OCEAN** (Meeting), Woods Hole, Mass., U.S.A. (Prof. G. Ourisson, Centre de Neurochimie, Université Louis Pasteur, 5 rue Blaise Pascal, F-67084 Strasbourg, France)

October 5 - 12, 1985

- ★ **DISPOSAL OF HAZARDOUS CHEMICAL DEPOSITS** (IAEG International Symposium), Winston Salem, N.C., U.S.A. (International Symposium, c/o Ebasco Services Inc., 2211 Meadowview Road, Greensboro, NC 27401, U.S.A.)

October 6 - 10, 1985

- ★ **SOCIETY OF EXPLORATION GEOPHYSICISTS** (55th Annual Meeting), Washington, D.C., U.S.A. (Convention Assistant, Society of Exploration Geophysicists, P.O. Box 3098, Tulsa, OK 74101, U.S.A.)

October 10 - 12, 1985

- ★ **HEAT AND DETACHMENT IN CRUSTAL EXTENSION ON CONTINENTS AND PLANETS** (Topical Conference), Sedona, Arizona, U.S.A. (Pam Jones, LPI, 1 Nasa Road, Houston, TX 77058, U.S.A.)

October 14 - 18, 1985

- ★ **COAL RESEARCH** (7th International Conference), Pretoria, South Africa. (W.G. Jensen, International Committee for Coal Research, Bte 11, B-1150 Bruxelles, Belgium)

October 14 - 18, 1985

- ★ **MATHEMATICAL METHODS IN GEOLOGY** (International Symposium), Příbram, Czechoslovakia. (Sekretariat symposia, Hornická Příbram ve vede a Technice, post. schránka 41, Příbram 261 02, Czechoslovakia)

October 28 - 31, 1985

- ★ **GEOLOGICAL SOCIETY OF AMERICA** (Annual Meeting), Orlando, Florida, U.S.A. (S.S. Beggs, Geological Society of America, P.O. Box 9140, 330 Penrose Place, Boulder, CO 80301, U.S.A.)

October 28 - November 1, 1983

- ★ **COAL SCIENCE** (International Conference), Sydney, Australia. Sponsored by IEA (R.W. Hinde, CSIRO Div. of Fossil Fuels, Box 136, North Ryde, NSW 2113, Australia)

October 29 - November 2, 1985

- ★ **INDONESIAN MINING** (International exhibition), Jakarta, Indonesia. (Overseas Exhibition Services, 11 Manchester Square, London W1M 5AB, U.K.)

November 1985

- ★ **DESERTIFICATION** (International Symposium), Khartoum, Sudan. (Dr. W.G. Sombroek, ISSS, International Soil Museum, 9 Duivendaal, POB 353, 6700 A.J. Wageningen, The Netherlands)

December 9 - 13, 1985

- ★ **AMERICAN GEOPHYSICAL UNION** (Fall Meeting), San Francisco, California, U.S.A. (AGU Meetings, 2000 Florida Avenue NW, Washington, D.C. 20009, U.S.A.)

1986

1986

- ★ **CIRCUM-PACIFIC ENERGY MINERALS** (Meeting), Singapore. (American Association of Petroleum Geologists, Box 979, Tulsa, OK 74101, U.S.A.)

February 1 - 9, 1986

- ★ **INTERNATIONAL VOLCANOLOGICAL CONGRESS**, Auckland, Hamilton, Rotorua, New Zealand. Sponsored by IAVCEI. (P.E. Baker, Department of Earth Sciences, University of Leeds, Leeds LS2 9JT, U.K.)

April 24 - 27, 1986

- ★ **INDUSTRIAL MINERALS** (7th International Congress), Athens, Greece. (G.M. Clarke -Editor, Industrial Minerals, 16 Lower Marsh, London SE1, U.K.)

May 11 - 16, 1986

- ★ **MINING AND METALLURGICAL CONGRESS** (13th), Canberra, Australia. (Council of Mining and Metallurgical Institutions, 44 Portland Place, London, W1N 4BR, U.K.)

May 19 - 21, 1986

- ★ **GAC/MAC** (Joint Annual Meeting), Ottawa, Ontario, Canada. (Dr. J.A. Donaldson, Department of Geology, Carleton University, Ottawa, Ontario, Canada K1S 5B6)

June 1 - 5, 1986

- ★ **GEOSCIENCE INFORMATION** (3rd International Conference) Adelaide, South Australia. (Conference Secretariat 31CGI, c/o Australian Mineral Foundation, Private Bag 97, Glenside, South Australia, 5065, Australia)

June 2 - 5, 1986

- ★ **DINOSAUR SYSTEMATICS** (Symposium) Drumheller, Alberta, Canada. (Kenneth Carpenter, Academy of Natural Sciences, 19th and the Parkway, Philadelphia, PA 19103, U.S.A.)

June 3 - 6, 1986

- ★ **EUROPEAN ASSOCIATION OF EXPLORATION GEOPHYSICISTS** (Meeting), Ostend, Belgium. (E. van der Gaag, European Association of Exploration Geophysicists, P.O. Box 162, NL-2501 AN The Hague, The Netherlands)

Summer 1986

- ★ **GEOCHRONOLOGY, COSMOCHRONOLOGY AND ISOTOPE GEOLOGY** (6th International Conference), Cambridge, U.K. Sponsored by IAVCEI. (P.E. Baker, Department of Earth Sciences, University of Leeds, Leeds LS2 9JT, U.K.)

July 1986

- ★ **IAHS** (2nd General Assembly), Budapest, Hungary. (Dr. A. Széllösi-Nagy, VITUKI, H-1453, Budapest, PF27, Hungary)

July 13 - 18, 1986

- ★ **INTERNATIONAL MINERALOGICAL ASSOCIATION** (General Meeting), Stanford, Calif., U.S.A. (Prof. C.T. Prewitt, Department of Earth and Space Sciences, State University of New York, Stony Brook, NY 11794, U.S.A.)

July 14 - 18, 1986

- ★ **PRECAMBRIAN GOLD/URANIUM DEPOSITS** (GSSA Congress), Johannesburg, South Africa. (C.F. Vermaak, Geological Society of South Africa, Kelvin House, 2 Holland Street, Johannesburg 2001, South Africa)

August 1986

- ★ **CIRCUM-PACIFIC ENERGY AND MINERAL RESOURCES** (Conference), Singapore. (A.G. Hatley, Graffney Chine and Associates, Inc., P.O. Box 796309, Dallas, TX 75379, U.S.A.)

August 1986

- ★ **IAGOD** (7th Symposium), Lulea, Sweden. (G.

Coming Events ...

Leech, Geological Survey of Canada, 601 Booth Street, Ottawa, Ontario, Canada K1A 0E8)

August 11 - 15, 1986

KIMBERLITE (4th International Conference), Perth, Western Australia. (Dr. A.F. Trendall, Geological Survey of Western Australia, 66 Adelaide Terrace, Perth, W.A., Australia)

August 13 - 20, 1986

SOIL SCIENCE (13th ISSS International Congress), Hamburg, F.R.G. (Prof. Dr. K.H. Hartge, Inst. für Bodenkunde, Univ. Hannover, Herrenhäuserstrasse 2, D-3000 Hannover 21, F.R.G.)

August 25 - 29, 1986

★ **IAS SEDIMENTOLOGICAL CONGRESS** (12th International), Canberra, Australia. (Dr. K.A.W. Crook, Department of Geology, Australian National University, P.O. Box 5, Canberra, A.C.T., 2600 Australia)

September 7 - 12, 1986

REMOTE SENSING IN GLACIOLOGY (Symposium), Cambridge, England. (Secretary General, International Glaciological Society, Lensfield Road, Cambridge CB2 1ER, England, U.K.)

September 8 - 12, 1986

PALEOCEANOGRAPHY (2nd International Conference), Woods Hole, U.S.A. (W.A. Berggren, Woods Hole Oceanographic Institute, Woods Hole, MA 02543, U.S.A.)

October 5 - 11, 1986

• **WORLD ENERGY** (13th Congress), Cannes, France. (R. Ruttle, World Energy Conference, 34 St James' Street, London SW1A 1HD, U.K.)

October 20 - 26, 1986

★ **IAEG** (5th Congress), Buenos Aires, Argentina. (Dr. M. Primel, L.C.P.C., 58, boulevard Lefebvre, 75732 Paris Cedex 15, France)

November 2 - 6, 1986

SOCIETY OF EXPLORATION GEOPHYSICISTS (56th Annual Meeting), Houston, Texas, U.S.A. (Convention Assistant, Society of Exploration Geophysicists, P.O. Box 3098, Tulsa, OK 74101, U.S.A.)

November 10 - 13, 1986

GEOLOGICAL SOCIETY OF AMERICA (Annual Meeting), San Antonio, Texas, U.S.A. (S.S. Beggs, Geological Society of America, P.O. Box 9140, 3300 Penrose Place, Boulder, CO 80301, U.S.A.)

1987

May 25 - 27, 1987

• **GAC/MAC** (Joint Annual Meeting), Saskatoon, Canada. (Dr. W.O. Kupsch, Department of Geological Sciences, University of Saskatchewan, Saskatoon, Saskatchewan, Canada S7N 0W0)

July 31 - August 9, 1987

★ **INQUA** (12th Congress), Ottawa, Ontario, Canada. (Dr. Alan V. Morgan, Department of Earth Sciences, University of Waterloo, Waterloo, Ontario, Canada N2L 3G1)

August 9 - 22, 1987

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

September 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)

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