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.

1986

May 5 - 8, 1986

FAST GLACIER FLOW: Ice Streams, Surging, and Tidewater Glaciers (Chapman Conference), Vancouver, Canada. (AGU Meetings, 2000 Florida Avenue NW, Washington, DC 20009, U.S.A.)

May 6 - 9, 1986

- * **GEOLOGICAL MAPPING IN THE SERVICE OF ENVIRONMENTAL PLANNING** (International Symposium), Trondheim, Norway. Co-sponsored by CGMW. (SC-MEG Secretary Fredrik Chr. Wolff, Geological Survey of Norway, Box 3006, N-7001 Trondheim, Norway)

May 7 - 8, 1986

GONDWANA AND TETHYS (Lyell Meeting, Geological Society), London, U.K. (A. Hallam, Department of Geological Sciences, University of Birmingham, P.O. Box 363, Edgbaston, Birmingham B15 2TT, U.K.)

May 11 - 16, 1986

GROUNDWATER SYSTEMS UNDER STRESS (International Conference), Brisbane, Queensland, Australia. (Conference Manager, Uni Quest Conference Systems, University of Queensland, St. Lucia, Queensland 4067, Australia)

May 11 - 16, 1986

MINING AND METALLURGICAL INSTITUTIONS (13th Congress), Singapore. (Council of Mining and Metallurgical Institutions, c/o The Australian Institute of Mining and Metallurgy, P.O. Box 310, Carlton South, Victoria, Australia 3053)

May 11 - 18, 1986

- * **TAXONOMY AND BIOSTRATIGRAPHY OF THE EARLIEST SKELETAL FOSSILS** (ICS Meeting), Uppsala, Sweden. (Dr. Stefan Bengtson, Institute of Palaeontology, Box 558, S-751 22 Uppsala, Sweden)

May 11 - 23, 1986

- **PHYSICALLY BASED MODELLING AND SIMULATION OF CLIMATE AND CLIMATIC CHANGE** (NATO Advanced Study Institute), Erice, Sicily. (Prof. M.E. Schlesinger, Department of Atmospheric Science, Oregon State University, Corvallis, Oregon 97331, U.S.A.)

May 12 - 14, 1986

- * **GEOEXPO-86** (Symposium), Vancouver, B.C., Canada. Co-sponsored by AEG and GAC. (GEOEXPO-86 Regional Symposium, Association of Exploration Geochemists, 700-409 Granville Street, Vancouver, B.C., Canada V6C 1T8)

May 17 - 19, 1986

SEDIMENT-HOSTED STRATIFORM COPPER DEPOSITS (International Symposium), Ottawa, Ontario, Canada. Sponsored by GAC/MAC. (Prof. A.J. Naldrett, Department of Geology, University of Toronto, Toronto, Ontario, Canada M5S 1A1)

May 17 - 21, 1986

REEFAL DEVELOPMENT IN A TERRIGENOUS PROVINCE (GSA Penrose Conference), Veracruz, Mexico. (Paul R. Krutak, Arco Exploration Company, P.O. Box 51408, Lafayette, LA 70505, U.S.A.)

May 19 - 21, 1986

GEOLOGICAL, MINERALOGICAL ASSOCIATIONS OF CANADA (Joint Annual Meeting with Canadian Geophysical Union), Ottawa, Ontario, Canada. (Dr. J.A. Donaldson, Department of Geology, Carleton University, Ottawa, Ontario, Canada K1S 5B6)

May 19 - 23, 1986

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

May 20 - 21, 1986

DESERT SEDIMENTS: ANCIENT AND MODERN (Meeting), London, U.K. (Carolyn Symonds, The Geological Society, Burlington House, Piccadilly, London W1, U.K.)

May 20 - 25, 1986

- **DENTAL MORPHOLOGY** (7th International Symposium), Paris, France. (D.E. Russell, Institut de Paléontologie, 8 rue Buffon, 75005, Paris, France)

May 20 - 27, 1986

SEISMIC ANISOTROPY (2nd International Workshop), Pushchino, U.S.S.R. Co-sponsored by IASPEI. (A.G. Bugayevsky, Soviet Geophysical Committee, Molodeznaya 3, Moscow 117296, U.S.S.R.)

May 21 - 24, 1986

- * **GLOBAL BIO-EVENTS** (IGCP-216 and Wegener Conference), Göttingen, F.R.G. (Prof. O.H. Walliser, Geologisch-Paläontologisches Institut, Goldschmidt-Strasse 3, D-34 Göttingen, Federal Republic of Germany)

May 21 - 24, 1986

- * **STABLE ISOTOPES IN LACUSTRINE SEDIMENTS** (IGCP-219 Workshop), Krakow, Poland. (Dr. St. Leszczynski, Institute of Geological Sciences, Jagellonian University, Oleandry 2a, 30-063 Krakow, Poland)

May 22 - 26, 1986

SHEAR CRITERIA IN BRITTLE AND DUCTILE ROCK (International Workshop), London, U.K. (Dr. M. Coward, Geology Department, Imperial College, Prince Consort Road, London SW7 2BP, U.K.)

May 23 - 25, 1986

- * **INTERNATIONAL ASSOCIATION OF SEDIMENTOLOGISTS** (7th Regional Meeting), Krakow, Poland. (Dr. St. Leszczynski, Institute of Geological Sciences, Jagellonian University, Oleandry 2A, 30-063 Krakow, Poland)

June 1986

- * **METALLOGENY OF OPHIOLITES** (IGCP-197 Meeting), Athens, Greece. (Institute of Geology & Mineral Exploration, 70 Messoghion Street, 115 27 Athens, Greece)

June 1 - 6, 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 - 4, 1986

CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS (Annual Convention), Calgary, Alberta, Canada. (H.J. Sullivan, Amoco Canada Petroleum, 444 - 7th Avenue SW, Calgary, Alberta, Canada T2P 0Y2)

June 2 - 4, 1986

- **ENVIRONMENTS AT GLACIER MARGINS** (American Quaternary Association Meeting), Champaign, Ill., U.S.A. (W.M. Wendland, Illinois State Water Survey, 2204 Griffith Drive, Champaign, IL 61820, U.S.A.)

June 2 - 5, 1986

- **MULTIVARIATE STATISTICAL WORKSHOP FOR GEOCHEMISTS AND GEOLOGISTS**, Ulvik, Hardanger, Norway. (Ulvik Workshop, Department of Chemistry, University of Bergen, N-5000 Bergen, Norway)

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)

June 4 - 5, 1986

- **CASE HISTORIES OF CARBONATE RESERVOIRS** (Symposium), Troy, New York, U.S.A. (Rensselaer Center of Applied Geology, 15 Third Street, P.O. Box 746, Troy, New York 12181, U.S.A.)

June 6 - 10, 1986

GEOLOGY OF THE BAHAMAS (3rd Symposium), San Salvador, Bahamas. (H.A. Curran, Department of Geology, Smith College, Northampton, MA 01063, U.S.A.)

June 7 - 14, 1986

- * **GLACIER PROCESSES AND DEPOSITS IN THE GLACIER BAY AREA** (INQUA Field-meeting), Glacier Bay, Alaska, U.S.A. (Prof. Dr. D.M. Mickelson, University of Wisconsin, Department of Geology and Geophysics, Madison, WI 53706, U.S.A.)

June 8 - 12, 1986

- **LARGE UNDERGROUND OPENINGS** (International Congress), Florence, Italy. (MGR-Societa di Organizzazione Congressi, Piazza Sant' Ambrogio, 16, 20123 Milano, Italy)

June 8 - 13, 1986

MIGMATITES AND CRUSTAL MELTING (GSA Penrose Conference), Amherst, Massachusetts, U.S.A. (R.J. Tracy, Department of Geology and Geophysics, Yale University, New Haven, CT 06511, U.S.A.)

June 8 - 13, 1986

- **RESERVOIR DIAGENESIS & GEOLOGICAL CONSTRAINTS** (GSA Penrose Conference), Cannes, France. (J-P. Cassan, Societe Nationale Elf-Aquitaine, Dept. P., 31360 Saint Martory, France)

June 10 - 12, 1986

- **NEW MINERAL RAW MATERIALS** (3rd Symposium), Karlovy Vary, Czechoslovakia. (Geological Survey of Prague, Organizing Committee NEMIRAM, Malostranské nám. 19, 118 21 Prague 1, Czechoslovakia)

June 15 - 18, 1986

AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS (Annual Convention), Atlanta, Georgia, U.S.A. (Howard Cramer, Emory University, Department of Geology, Atlanta, GA 30322, U.S.A.)

June 16 - 20, 1986

- **EARTH'S ROTATION AND REFERENCE FRAMES FOR GEODESY AND GEODYNAMICS** (IAU, IUGG, IAG Meeting), Washington, D.C., U.S.A. (P.J. Melchior, IUGG, Observatoire Royal de Belgique, 3 Avenue Circulaire, Brussels B-1180, Belgium)

June 16 - 21, 1986

CLIMATIC FLUCTUATIONS DURING THE QUATERNARY IN THE WESTERN MEDITERRANEAN REGIONS (Symposium), Madrid, Spain. Languages: Spanish, French and English. (Prof. F. Lopez-Vera, Dpto. De Geologia y Geoquímica, Universidad Autonoma, E-28049 Madrid, Spain)

June 22 - 26, 1986

- * **HYDROGEOLOGY OF SEDIMENTARY BASINS** (3rd Annual Canadian/American Conference), Banff, Alberta, Canada. Brian Hitchon, Alberta Research Council, 4445 Calgary Trail South, Edmonton, Alberta, Canada T6H 5R7)

June 22 - 28, 1986

- **MATHEMATICAL GEOPHYSICS** (16th International Conference), Oosterbeek, The

Coming Events

- Netherlands (N.J. Vlaar, Department of Theoretical Geophysics, P.O. Box 80.021, 3508 TA Utrecht, The Netherlands)
- June 22 - July 4, 1986
- **STATISTICAL TREATMENT FOR ESTIMATION OF MINERAL AND ENERGY RESOURCES** (NATO Advanced Study Institute), Il Ciocco, Italy. (Dr. A.G. Fabbri, Ist. di Geologia Marina del C.N.R., Via Zamboni 65, 40127 Bologna, Italy)
- June 23 - 26, 1986
- **ARENACEOUS FORAMINIFERA** (2nd Workshop), Vienna, Austria. (Dr. Fred Rögl, Naturhistorisches Museum, Burggring 7, A-1014 Vienna, Austria)
- June 26 - 28, 1986
- **GEOLOGY OF KENYA** (Third Conference), Nairobi, Kenya. (The Secretary GSK, P.O. Box 60199, Nairobi, Kenya)
- June 29 - July 7, 1986
- **THE CULTURAL LANDSCAPE - PAST, PRESENT AND FUTURE** (INQUA/IGCP-158 Joint Symposium), Bergen, Norway. (Prof. Dr. P.E. Kaland, Botanical Institute, University of Bergen, Box 12, N-5014 Bergen - Universitetet, Norway)
- June 30 - July 2, 1986
- **CORRELATION AND RESOURCE EVALUATION OF TIN/TUNGSTEN GRANITES SOUTH-EAST ASIA AND THE WESTERN PACIFIC REGION** (Meeting), Canberra, ACT, Australia. Sponsored by IGCP 220. (Dr. N.C. Higgins, Bureau of Mineral Resources, P.O. Box 378, Canberra, ACT 2601, Australia)
- June 30 - July 4, 1986
- **GEOCHRONOLOGY, COSMOCHRONOLOGY AND ISOTOPE GEOLOGY** (6th International Conference), Cambridge, U.K. Co-Sponsored by IAGC and IAVCEL (Organizing Committee, 6th International Conference, Department of Earth Sciences, University of Cambridge, Downing Street, Cambridge CB2 3EQ, U.K.)
- June 30 - July 12, 1986
- **COSPAR** (26th Plenary Meeting), Toulouse, France. Includes a Symposium co-sponsored by IUGS. (Z. Niemirowicz, COSPAR Secretariat, 5, boulevard de Montmorency, 75016 Paris, France)
- July 2 - 10, 1986
- **INTERNATIONAL ASSOCIATION OF HYDROLOGICAL SCIENCES** (2nd General Assembly), Budapest, Hungary. Languages: English and French. (Dr. A. Széllösi-Nagy, VITUKI, H-1453, Budapest, Pf27, Hungary)
- July 4 - 12, 1986
- **PERMIAN AND PERMO-TRIASSIC BOUNDARY IN THE WESTERN TETHYAN REALM** (Meeting and Field Trip), northern Italy and northern Yugoslavia. Co-sponsored by IGCP Project 203. (G. Cassinis, Dip. di Scienze della Terra, Sezione geologico-paleontologica, Università degli Studi, Strada Nuova 65, Pavia 27100, Italy)
- July 7 - 11, 1986
- **GEOCONGRESS '86** (GSSA 21st Biennial Congress), Johannesburg, South Africa. Co-sponsored by IUGS. (The Symposium Secretariat, S. 339, CSIR, P.O. Box 395, Pretoria, South Africa 0001)
- July 7 - 14, 1986
- **SEA-LEVEL CHANGES AND QUATERNARY SHORELINES** (International Symposium and Field Conference), Sao Paulo, Brazil. Co-sponsored by INQUA Shorelines Commission, IGCP Projects 200 and 201. (Prof. K. Suguio, Inst. de Geociências, Univ. de Sao Paulo, C.P. 20899, Sao Paulo, Brazil)
- 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 13 - 19, 1986
- **PROTEROZOIC GEOCHEMISTRY** (International Field Conference), central Colorado, U.S.A. (K.C. Condie, Department of Geoscience, New Mexico Institute of Mining and Technology, Socorro, NM 87801, U.S.A.)
- July 14 - 17, 1986
- **THE COMPUTER HANDLING AND DISSEMINATION OF DATA: Numerical Data Processing and Dissemination in the Geosciences** (Part of 10th International CODATA Conference), Ottawa, Canada. (Mrs. Lois Baignée, Conference Services, National Research Council of Canada, Montreal Road, Ottawa, Ontario, Canada K1A 0R6)
- July 15 - 17, 1986
- **DEEP SEISMIC REFLECTION PROFILING OF THE CONTINENTAL LITHOSPHERE** (ICL Meeting), Cambridge, U.K. (BIRPS, Bullard Labs, Magdingley Road, Cambridge, CB3 0EZ, U.K.)
- July 20 - 26, 1986
- **CARIBBEAN** (11th Geological Conference), Bridgetown, Barbados. (Leslie Barker, General Co-ordinator, 11th Caribbean Geological Conference, Energy and Natural Resource Division, Wildey, St. Michael, Barbados)
- July 21 - 23, 1986
- **THE MARS CONFERENCE** (National Academy of Sciences meeting), Washington, D.C., U.S.A. (Mrs. Lu Agree, Administrative Chairman, P.O. Box 416, Hampton, VA 23669, U.S.A.)
- July 21 - 25, 1986
- **THE ORIGIN OF LIFE** (5th ISSOL Meeting and 8th International Conference), Berkeley, California, U.S.A. (Dr. S. Chang, Ames Research Center, Moffett Field, CA 94035, U.S.A.)
- August 1986
- **ORIGINS OF IGNEOUS LAYERING** (NATO advanced workshop), Narssarsuaq, Greenland. (Dr. I. Parson, Department of Geology and Mineralogy, Marischal College, Aberdeen AB9 1AS, Scotland, U.K.)
- August 1986
- **DEVONIAN SUBCOMMISSION** (ICS Conference), Prague, Czechoslovakia. (Dr. J.W. Cowie, Department of Geology, University of Bristol, BS8 1RJ, U.K.)
- August/September 1986
- **LANDSCAPES OF THE SOUTHERN HEMISPHERE** (International Conference), Adelaide, Australia. (Prof. Jon Firman, S.A. Department of Mines and Energy, P.O. Box 151, Eastwood, S.A. 5063, Australia)
- August 1 - 7, 1986
- **SPELEOLOGY** (9th International Congress), Barcelona, Spain. Languages: English and French. (General Secretary of the Congress, P.O. Box 343, E-08080 Barcelona, Spain)
- August 3 - 9, 1986
- **NATURAL AND MAN-MADE HAZARDS** (International Symposium), Quebec, Canada. (Mohammed El-Sabh, Dept. of Oceanography, University of Quebec, 310 Avenue des Ursulines, Rimouski, Québec, Canada G5L 3A1)
- August 4 - 7, 1986
- **INTERMONTANE BASINS** (IAS Symposium), Chiang Mai, Thailand. (T. Thanasuthipitak, Department of Geological Science, Chiang Mai University, Chaing Mai 50002, Thailand)
- August 4 - 8, 1986
- **DRAINAGE BASIN SEDIMENT DELIVERY** (International Symposium), Albuquerque, New Mexico, U.S.A. (R.F. Hadley, Secretary ICCE, c/o Department of Geography, University of Denver, Denver, CO 80208-0183, U.S.A.)
- August 4 - 8, 1986
- **HUMIC SUBSTANCES SOCIETY** (3rd Annual Meeting), Oslo, Norway. (E. Gjessing, Norwegian Institute for Water Research, P.O. Box 333, Blindern Oslo 3, Norway)
- August 4 - 11, 1986
- **PROCESSES IN THE DEEP ARCHEAN CRUST** (Field Workshop), Northern Manitoba, Canada. (Archean Crust Field Workshop, Lunar and Planetary Institute, 3303 NASA Road 1, Houston, TX 77052, U.S.A.)
- August 6 - 9, 1986
- **THE PLANET MERCURY** (Conference), Tucson, Arizona, U.S.A. (M. S. Matthews, Lunar and Planetary Laboratory, University of Arizona, Tucson, AZ 85721, U.S.A.)
- August 8 - 17, 1986
- **WATER-ROCK INTERACTION** (5th International Symposium), Reykjavik, Iceland. Sponsored by IAGC. (Dr. Haldor Armannsson, Orkustofnun - The National Energy Authority, Grensasvegur 9, 108 Reykjavik, Iceland)
- August 10 - 14, 1986
- **HEAT FLOW STUDIES IN SOUTH AMERICA** (International Meeting), Sao Paulo, Brazil. Sponsored by International Heat Flow Commission. (Dr. V. Hamza, Inst. Astronomico e Geofisico, Univ. de Sao Paulo, CP 30.627, Sao Paulo, Brazil)
- August 10 - 15, 1986
- **MAGMATISM OF EXTENSIONAL REGIONS** (International Congress), Lubumbashi, Zaire. Co-sponsored by IGCP Project 227. (Prof. A.B. Kampunzu, Lab. de Pétrologie, Université de Lubumbashi, B.P. 1825, Lubumbashi, Zaire)
- August 11 - 14, 1986
- **ENERGY RESOURCES IN ASIA** (International Conference), Hong Kong. Language: English. (The Co-ordinator, AEMP, Asian Research Service, G.P.O. Box 2232, Hong Kong)
- August 11 - 15, 1986
- **KIMBERLITE** (IAGC 4th International Conference), Perth, Western Australia. (Dr. A.F. Trendall, Geological Survey of Western Australia, 66 Adelaide Terrace, Perth, W.A., Australia)
- August 12 - 15, 1986
- **NAPC IV** (North American Paleontological Convention), Boulder, Colorado, U.S.A. (Erle G. Kauffman, Department of Geological Sciences, University of Colorado, CB 250, Boulder, CO 80309, U.S.A.)
- August 13 - 15, 1986
- **BASINS OF EASTERN CANADA AND WORLD-WIDE ANALOGUES** (Symposium), Halifax, Canada. Co-sponsored by ICL. (C. Beaumont, Oceanography Department, Dalhousie University, Halifax, Nova Scotia, Canada B3H 4J1)
- 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 15 - 16, 1986
- **QUATERNARY SEA LEVELS OF AUSTRALIA** (Meeting), Warrnambool, Victoria, Australia. Sponsored by IGCP-200 and INQUA. (Associate Prof. D. Hopley, Department of Geography, James Cook University, Townsville, Queensland, Australia)
- August 15 - 20, 1986
- **COASTAL ENVIRONMENT IN THE BALTIC SEA** (IGU Meeting) Tallinn, U.S.S.R. (P.A. Kaplin, Faculty of Geography, Moscow State University, 117234 Moscow B234, U.S.S.R.)
- August 17 - 22, 1986
- **WATER POLLUTION RESEARCH** (13th International Research), Rio de Janeiro, Brazil. (Mr. A. Milburn, IAWPRC, Alliance House, 29/30 High Holborn, London WC1V 6BA, U.K.)

Coming Events

August 17 - 22, 1986

- **ZEOLITES** (7th International Conference), Tokyo, Japan. (M. Koizumi, Institute of Science and Industrial Research, Osaka University, Mihogaoka, Ibaraki, Osaka 567, Japan)

August 17 - 22, 1986

- ★ **CIRCUM-PACIFIC ENERGY AND MINERAL RESOURCES** (4th Conference), Singapore. (Circum-Pacific Conference IV, c/o AAPG, P.O. Box 979, Tulsa, OK 74101, U.S.A.)

August 17 - September 8, 1986

- ★ **SILURIAN SUBCOMMISSION** (ICS Field Meeting and Conference), Victoria and New South Wales, Australia. (Dr. J.W. Cowie, Department of Geology, University of Bristol, BS8 1RJ, U.K.)

August 18 - 22, 1986

- ★ **INTERNATIONAL ASSOCIATION ON THE GENESIS OF ORE DEPOSITS** (7th Symposium), Lulea, Sweden. (Centek Conference, S-951 87 Lulea, Sweden)

August 20 - 22, 1986

- **SEISMOLOGY, CRUSTAL DYNAMICS, AND EARTHQUAKE PREDICTION** (2nd International Hispanic Engineering and Technology Workshop/Conference), Mexico City, Mexico. (H. Castillo, SHPE International Committee, 5400 E. Olympic Blvd., Suite 120, Los Angeles, CA 90022, U.S.A.)

August 20 - 27, 1986

- ★ **LOESS AND OTHER PLEISTOCENE DEPOSITS OF EXTREME WESTERN EUROPE** (INQUA/IGU Joint Field Meeting), Caen, France. (Prof. Dr. J.P. Lautridou, Centre de Géomorphologie du CNRS, rue des Tilleuls, F-14000 Caen, France)

August 21 - 30, 1986

- **EUROPEAN GEOPHYSICAL SOCIETY/ EUROPEAN SEISMOLOGICAL COMMISSION** (Joint Meeting), Kiel, F.R.G. (Prof. R. Meissner, Institut für Geophysik, Christian-Albrechts-Universität, Olshausenstrasse 40, D-2300 Kiel 1, F.R.G.)

August 24 - 30, 1986

- ★ **SHALLOW TETHYS** (International Symposium), Wagga Wagga, Australia. Sponsored by IPA. (K.G. McKenzie, School of Applied Science, Riverina C.A.E., P.O. Box 588, Wagga Wagga, N.S.W. 2650, Australia)

August 24 - 29, 1986

- **LIVING AND FOSSIL DIATOMS** (9th International Symposium), Bristol, U.K. (F.E. Round, Department of Botany, University of Bristol, Bristol BS8 1UG, U.K.)

August 24 - 30, 1986

- ★ **SEDIMENTS DOWN-UNDER** (12th International Sedimentological Congress), Canberra, Australia. Sponsored by IAS. (12th International Sedimentological Congress, ACTS, GPO Box 1929, Canberra ACT 2601, Australia)

August 25 - 28, 1986

- ★ **LARGE ROCK CAVERNS** (Meeting), Helsinki, Finland. Co-sponsored by IAEG. (Dr. K. Saari, Technical Research Centre of Finland, Lehtisaarentie 2, SF-00340 Helsinki, Finland)

August 25 - 28, 1986

- **SCALE EFFECTS IN MODELLING SEDIMENT TRANSPORT PHENOMENA** (IAHR Symposium), Toronto, Canada. (T.M. Dick, Canada Centre for Inland Waters, P.O. Box 5050, Burlington, Ontario L7R 4A6, Canada)

August 25 - 29, 1986

- **REMOTE SENSING FOR RESOURCES DEVELOPMENT AND ENVIRONMENTAL MANAGEMENT** (International Symposium), Enschede, The Netherlands. (Secretariat Symposium Commission VII, ISPRS, c/o ITC, P.O. Box 6, 7500 AA Enschede, The Netherlands)

August 25 - 30, 1986

- **FIGURE AND DYNAMICS OF THE EARTH,**

MOON AND PLANETS (International Symposium), Prague, Czechoslovakia. (Dr. P. Holota, Research Institute of Geodesy, Topography and Cartography, T. Politických veznu 12, Praha 1, Czechoslovakia)

August 25 - 30, 1986

- **IGU (Regional Meeting), Spain.** Includes **GEOMORPHOLOGY OF RIVER AND COASTAL PLAINS** Sevilla; **GEOMORPHOLOGICAL SURVEY AND MAPPING**, Zaragoza; **MORPHO-TECTONICS**, Madrid; **FLUVIAL AND SLOPE PROCESSES IN A MEDITERRANEAN ENVIRONMENT**, Murcia-Valencia-Barcelona. (L.A. Kosinski, Department of Geography, University of Alberta, Edmonton, Alberta, Canada T6G 2H4)

August 30 - September 5, 1986

- **PHYSICS AND CHEMISTRY OF ICE** (7th International Symposium), Grenoble, France. (J. Klinge, Laboratoire de Glaciologie, B.P. 53X, 38041 Grenoble Cedex, France)

September 1986

- **PALAEOCLIMATIC AND PALEOENVIRONMENTAL CHANGES IN ASIA DURING LAST 4 MILLION YEARS** (International Symposium), Ahmedabad/Srinagar, India. (Prof. Dr. D.P. Agrawal, Physical Research Laboratory, Navrangpura, Ahmedabad 380 009, India)

September 1 - 2, 1986

- **PROSPECTING IN AREAS OF GLACIATED TERRAIN** (7th Symposium), Kuopio, Finland. (Conference Office, Institution of Mining and Metallurgy, 44 Portland Place, London W1N 4BR, U.K.)

September 1 - 3, 1986

- **ROCK STRESS AND ROCK STRESS MEASUREMENTS** (International Conference), Stockholm, Sweden. Languages: English, German, and French. (Centek Conference, Lulea University, S-951 87 Lulea, Sweden)

September 1 - 6, 1986

- ★ **IBERIAN TERRANES AND THEIR REGIONAL CORRELATION** (International Conference), Oviedo, Spain. Sponsored by IGCP-233. (E. Martinez-Garcia, Departamento de Geotectónica, Facultad de Geología, Universidad de Oviedo, 33005 Oviedo, Spain)

September 4 - 10, 1986

- **GEOMECHANICS** (International Symposium), Beijing, P.R. China. (Secretariat of International Symposium on Geomechanics, c/o Institute of Geomechanics, Chinese Academy of Geological Sciences, Fahuasi, Xijiao, Beijing, P.R. China)

September 6 - 13, 1986

- **MAN'S IMPACT ON COASTAL ENVIRONMENT** (Field Meeting), Spanish coast between French border and Valencia. Sponsored by IGU Commission on the Coastal Environment. (Dr. Maria-Angels Marqués, Facultad de Geología, Universidad de Barcelona, Gran Via 585, Barcelona 08011, Spain)

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 - 10, 1986

- **INNOVATIVE DIRECTIONS IN PETROLEUM EXPLORATION** (Symposium), Dallas, Texas. (I. Williamson, Department of Geology, Imperial College, Prince Consort Road, London SW7 2BP, U.K.)

September 8 - 11, 1986

- **GEOSCIENCE AND REMOTE SENSING** (International Symposium), Zurich, Switzerland. Sponsored by IEEE Geoscience & Remote Sensing Society. (Prof. H. Haefner, Remote Sensing Laboratory, Department of Geography, Universität Zurich-Irehel, Winterthurerstrasse 190, 8057 Zurich, Switzerland)

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.)

September 8 - 13, 1986

- **ANISOTROPY AND INHOMOGENEITY OF THE LITHOSPHERE AND ASTHENOSPHERE** (Meeting), Bechyně, Czechoslovakia. (Dr. V. Babuska, Geophysical Institute, Bočni II, 14131 Prague 4, Czechoslovakia)

September 8 - 13, 1986

- **UNDERGROUND MINING SCIENCES AND TECHNOLOGY** (International Symposium), Nottingham, U.K. (Dr. M.J. Richards, Mining Engineering Department, University of Nottingham, University Park, Nottingham NG7 2RD, U.K.)

September 8 - 13, 1986

- **RECENT CRUSTAL MOVEMENTS OF THE EARTH** (7th International Symposium), Tallinn, Estonian S.S.R. (Prof. Yu. D. Boulanger, International Symposium CRCM-86, Soviet Geophysical Committee, Academy of Sciences of the U.S.S.R., Molodezhnaya, 3, 117296, Moscow, U.S.S.R.)

September 8 - 15, 1986

- ★ **INTERNATIONAL ASSOCIATION OF HYDROGEOLOGISTS** (19th Congress), Karlovy Vary, Czechoslovakia. (A. Zaporozec, AIH, 3817 Mineral Point Road, Madison, WI 53705, U.S.A.)

September 14 - 19, 1986

- **AVALANCHE FORMATION, MOVEMENT AND EFFECTS** (International Symposium), Davos, Switzerland. (Symposium 1986, EISLF, Weissfluhjoch, CH-7260 Davos-Dorf, Switzerland)

September 15 - 19, 1986

- **GOLD 100** (International Conference), Johannesburg, South Africa. (The Conference Secretary (C.29), Mintek, Private Bag X3015, Randburg, 2125 South Africa)

September 16 - 18, 1986

- **VERTEBRATE PALAEONTOLOGY AND COMPARATIVE ANATOMY** (34th Annual Symposium), Belfast, Northern Ireland. (Mike Benton, Department of Geology, The Queen's University of Belfast, Belfast, BT7 1NN, Northern Ireland)

September 21 - 25, 1986

- **GEOLOGY OF LIBYA** (3rd Symposium), Tripoli, Libya. Languages: Arabic and English. (Secretary General, Earth Science Department, Faculty of Science, University of Al-Fateh, P.O. Box 13258, Tripoli, Libya.)

September 22 - 25, 1986

- **METEORITIC SOCIETY** (49th Annual Meeting), New York, U.S.A. (Martin Prinz, Department of Mineral Sciences, American Museum of Natural History, New York, NY 10024, U.S.A.)

September 22 - 26, 1986

- ★ **HOLSTEINIAN INTERGLACIAL** (INQUA Symposium), Hamburg, F.R.G. (Dr. G. Linke, Geologisches Landesamt, Oberstrasse 88, D-2000 Hamburg 13, Federal Republic of Germany)

September 22 - 27, 1986

- **UNDERGROUND WATER TRACING** (5th International Symposium), Athens, Greece. Languages: English, German and Greek. (5th SUWT, Institute of Geology and Mineral Exploration, 70 Messoghion Street, 115 27 Athens, Greece)

September 22 - 28, 1986

- **BENTHOS '86** (3rd International Symposium on Benthic Foraminifera), Geneva, Switzerland. (D. Decrouez, Dept. of Geology and Invertebrate Palaeontology, Muséum d'Histoire naturelle de Genève, CP 434, 1211 Genève 6, Switzerland)

Coming Events

September 23 - 27, 1986

SOIL MECHANICS AND FOUNDATION ENGINEERING (8th Danube European Conference), Nuremberg, F.R.G. (Prof. U. Smoitezyk, Deutsche Gesellschaft für Erd-und-Grundbau, e.V. Kronprinzenstrasse 35 A, D-4300, Essex 1, F.R.G.)

September 26 - 28, 1986

SEPM (3rd Annual Midyear Meeting), Raleigh, North Carolina, U.S.A. (SEPM, P.O. Box 4756, Tulsa, OK 74159, U.S.A.)

September 26 - 29, 1986

• **PALEONTOLOGY AND BIOSTRATIGRAPHY** (Canadian Seminar), Albany, N.Y., U.S.A. (Ed Landing, N.Y.S. Geological Survey, The State Education Department, Albany, NY 12230, U.S.A.)

September 26 - October 1, 1986

• **TILLS, GLACIAL TECTONICS AND QUATERNARY STRATIGRAPHY IN NW GERMANY AND IN W PART OF DENMARK** (INQUA Field Symposium), Denmark. (Dr. S. Sjoerring, Institute of General Geology, University of Copenhagen, Oester Voldgade 10, DK-1350 Copenhagen K, Denmark).

September 27 - 28, 1986

• **AEOLIAN GEOMORPHOLOGY** (18th Binghampton Symposium), Guelph, Canada. (W.G. Nickling, Department of Geography, University of Guelph, Guelph, Ontario, Canada N1G 2W1)

September 28 - October 1, 1986

GOLD '86 (International Symposium), Toronto, Canada. (E. Craigie, Selco Division of BP Resources Canada Ltd., 55 University Avenue, Suite 1700, Toronto, Ontario, Canada M5J 2H7)

September 29, 1986 - October 1, 1986

• **GEOTHERMAL RESOURCES COUNCIL** (1986 Annual Meeting), Palm Springs, Calif., U.S.A. (Geothermal Resources Council, P.O. Box 1350, Davis, CA 95617-1350, U.S.A.)

September 29 - October 1, 1986

• **CONTINUOUS SURFACE MINING** (International Symposium), Edmonton, Canada. (Dr. T.S. Golosinski, Department of Mineral Engineering, University of Alberta, Edmonton, Alberta, Canada T6G 2G6)

September 29 - October 2, 1986

• **REMOTE SENSING FOR EXPLORATION GEOLOGY** (5th Thematic Conference), Reno, Nev., U.S.A. (Environmental Research Institute of Michigan, P.O. Box 8618, Ann Arbor, MI 48107, U.S.A.)

October 1986

EXPLORATION GEOCHEMISTRY OF CHINA (3rd Symposium), Guilin, P.R. China. (Prof. Xie Xuejing, 3rd Chinese Exploration Geochemistry Symposium, Institute of Geophysical and Geochemical Exploration, Langfang, Hebei 102801, P.R. China)

October 1986

• **QUATERNARY PROCESSES AND EVENTS IN EAST AND SOUTHEAST ASIA** (IGCP-218, CCOP, DMR Thailand, Netherlands Geological Survey Symposium), Bangkok, Thailand. (J.A.M. Ten Cate, UNDP/ESCAP Support Team to CCOP, 41 Sukumvit 4, Nana South, Bangkok 11, Thailand)

October 1 - 3, 1986

• **MICROBIAL PROCESSES IN THE TRANSPORT, FATE, AND IN SITU TREATMENT OF SUBSURFACE CONTAMINANTS** (AGU Meetings, 2000 Florida Avenue NW, Washington DC 20009, U.S.A.)

October 2 - 4, 1986

COMPUTERS IN THE PETROLEUM INDUSTRY: INTEGRATED APPROACHES (15th Annual Geochautauqua), Calgary, Alberta, Canada. (Michael Marchand, c/o Canterra Energy Ltd., Box 1051, Calgary, Alberta, Canada T2P 2K7)

October 2 - 8, 1986

• **PALEOHYDROLOGY OF THE TEMPERATE ZONE DURING THE LAST 15,000 YEARS: FLUVIAL ENVIRONMENTS** (IGCP-158 Meeting), Belgium. (Prof. Dr. F. Gullentops, Instituut voor Aardwetenschappen, Redingenstraat 16 bis, B-3000 Leuven, Belgium)

October 3 - 5, 1986

• **GLACIAL TECTONICS** (INQUA Field Meeting), Moen, Denmark. (Dr. M. Houmark-Nielsen, Institute of General Geology, University of Copenhagen, Oester Voldgade 10, DK-1350 Copenhagen K, Denmark)

October 5 - 8, 1986

• **ASSOCIATION OF EARTH SCIENCE EDITORS** (Annual Meeting), Duluth, Minn., U.S.A. (Jeane Moore, Ernest K. Lehmann & Associates Inc., Suite 300, 1409 Willow Street, Minneapolis, MN 55403, U.S.A.)

October 5 - 9, 1986

• **BETTER LIVING THROUGH ENGINEERING GEOLOGY** (AEG 29th Annual Meeting), San Francisco, Calif., U.S.A. (R.R. Upp, Upp Geotechnology, P.O. Box 28545, San Jose, CA 95128, U.S.A.)

October 5 - 11, 1986

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

October 6 - 9, 1986

• **DEVELOPMENT OF QUATERNARY GEOLOGY IN SE ASIA** (2nd Symposium), Bangkok, Thailand. (Dr. Phisit Dheeradolok, Geological Survey Division, Department of Mineral Resources, Rama 6 Road, Bangkok - 10400, Thailand)

October 6 - 10, 1986

SEDIMENTOLOGY OF ARGENTINA (Meeting), La Plata, Argentina. (L. Spalletti, Centro de Investigaciones Geológicas, calle 1 n° 644, 1900 La Plata, Argentina)

October 7 - 14, 1986

• **SEA-LEVEL CHANGES AND APPLICATIONS** (Symposium), Qingdao, P.R. China. IGCP Project 200. Language: English. (Prof. Zhao Songling, Institute of Oceanology, Academia Sinica, 7 Nan-hai Road, Qingdao, P. R. China)

October 13 - 18, 1986

• **QUATERNARY STRATIGRAPHY OF ASIA AND PACIFIC AREA** (1st International Colloquium and INQUA Meeting), Osaka, Japan. (Prof. Dr. M. Itihara, Department of Geosciences, Osaka City University, Sugimoto 3-3-138, Sumiyoshi-Ku, Osaka 558, Japan)

October 14 - 18, 1986

ORIGIN AND EVOLUTION OF PLANETARY AND SATELLITE SYSTEMS (International Symposium), Potsdam, German Democratic Republic. (Prof. Dr. H. Stiller, Zentralinstitut für Astrophysik, Potsdam, German Democratic Republic)

October 18 - 27, 1986

• **STATE OF KNOWLEDGE ON AFRICAN MOUNTAINS** (IGU Meeting), Addis Ababa, Ethiopia. (B. Messerli, Geography, University of Bern, Hallerstrasse 12, CH-3012 Berne, Switzerland)

October 20 - 25, 1986

• **INTERNATIONAL ASSOCIATION OF ENGINEERING GEOLOGY** (International Conference), Buenos Aires, Argentina. (C.A. Di Salvo, Moreno 584, 9 piso, 1091 Buenos Aires, Argentina)

October 20 - 25, 1986

• **INTERNATIONAL COMMISSION FOR THE SCIENTIFIC EXPLORATION OF THE MEDITERRANEAN SEA** (30th Congress), Palma, Majorca, Spain. (ICSEM, 16 Blvd. de Suisse, MC 98030, Monte-Carlo Cédex, Monaco)

October 21 - 24, 1986

• **SEDIMENTATION AND TECTONICS IN**

INDIAN SUBCONTINENT (Indian Association of Sedimentologists 6th Convention), Dehra Dun, India. (Dr. R.A.K. Srivastava, VI-Convention I.S.A., Wadia Institute of Himalayan Geology, Gen. Mahadev Singh Road, Dehra Dun - 248001, India)

October 25 - 31, 1986

GEOPHYSICS AND ITS TECTONIC IMPLICATIONS IN THE ARABIAN PENINSULA AND THE RED SEA REGION (ICTP Workshop), Sana'a, Yemen Arab Republic. (Prof. Dr. H.M. El Shatoury, Department of Geology, Sana'a University, Sana'a, P.O. Box 1247, Yemen Arab Republic)

October 26 - 29, 1986

PETROLEUM GEOLOGY OF NW EUROPE (3rd Conference), London, U.K. (Petroleum Geology of NW Europe Conf '86, Conference Co-ordinates, 70 Richmond Road, Twickenham, Middlesex TW1 3BE, U.K.)

October 27 - 31, 1986

• **EL NINO: AN INTERNATIONAL SYMPOSIUM** (AGU Chapman Conference), Guayaquil, Ecuador. (AGU Meetings, 2000 Florida Avenue NW, Washington DC 20009, U.S.A.)

October 27 - 31, 1986

• **IMPACT OF LARGE WATER PROJECTS ON THE ENVIRONMENT** (International Symposium), Paris, France. (Mr. S. Dumitrescu, Division of Water Sciences, Unesco, 7 place de Fontenoy, 75700 Paris, France)

October 29 - 31, 1986

AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS (Annual Meeting with Congrès Internationale du Microflore Paléozoïque), New York, U.S.A. (Dan Habib, Graduate School of the City University of New York, 33 West 42nd Street, New York, NY 10036, U.S.A.)

October 30 - November 5, 1986

• **NONLINEAR SEISMOLOGY** (International Symposium), Suzdal, U.S.S.R. (Soviet Geophysical Committee, Molodezhnaya 3, Moscow, U.S.S.R.)

November 1986

ENGINEERING IN COMPLEX ROCK FORMATIONS (International Symposium), Beijing, P.R. China. Languages: English and Chinese. (Secretary of the ECRF Symposium, Institute of Geophysics, Academia Sinica, P.O. Box 928, Beijing, P.R. China)

November 1986

• **GEOLOGY OF SOMALIA AND SURROUNDING REGION** (First Congress), Mogadishu, Somalia. Organized and sponsored by IUGS. (G.O. Gatto, Institute of Mineralogy, University of Padova, Corso Garibaldi 37, I-35100 Padova, Italy)

November 1 - 4, 1986

• **INDIGENOUS RAW MATERIALS AND THEIR INDUSTRIAL UTILIZATION IN THE GULF REGION** (Conference), Kuwait. (Kuwait Institute for Scientific Research, Government Relations Office, P.O. Box 24885 Safat, Kuwait)

November 2 - 6, 1986

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

November 6 - 8, 1986

• **STRATEGIES FOR EXPLOITATION OF MINERAL RESOURCES IN DEVELOPING COUNTRIES** (International Symposium), Dhanbad, India. (Prof. A.K. Ghose, Indian School of Mines, Dhanbad 826004, India)

November 9 - 14, 1986

COASTAL ENGINEERING (International Conference), Taipei, Taiwan. (B.L. Edge, Cubit Engineering Limited, 207 East Bay Street, Suite 311, Charleston, SC 29401, U.S.A.)

Coming Events

November 10 - 11, 1986

- ★ **EXPLORATION GEOCHEMISTRY** (International South European Symposium), Athens, Greece. Co-sponsored by AEG. (Organizing Committee, International South European Symposium in Exploration Geochemistry, Institute of Geology and Mineral Exploration, 70 Messoghion Street, 115 27 Athens, Greece)

November 10 - 13, 1986

- GEOLOGICAL SOCIETY OF AMERICA** (Annual Meeting), San Antonio, Texas, U.S.A. (Meetings Department, Geological Society of America, P.O. Box 9140, Boulder, CO 80301, U.S.A.)

November 16 - 20, 1986

- **WATER FOR MANKIND** (Symposium), Cairo, Egypt. (Universal Movement for Scientific Responsibility, 127 Boulevard Saint-Michel, 75005, Paris, France)

November 17 - 21, 1986

- **MINING LATIN AMERICA** (International Conference), Santiago, Chile. (The Conference Office, Institution of Mining and Metallurgy, 44 Portland Place, London W1N 4BR, U.K.)

November 26 - 28, 1986

- **REE, NB AND TA ORE DEPOSITS** (Workshop), Berlin, F.R.G. (Prof. P. Möller, Hahn-Meitner Institut für Kernforschung, P.O. Box 39 01 28, Glienicker Strasse 100, D-1000 Berlin 39, Federal Republic of Germany)

December 1 - 4, 1986

- **COMPUTER AIDED DESIGN AND MONITORING IN GEOTECHNICAL ENGINEERING** (10th Geotechnical Engineering Symposium), Bangkok, Thailand. (A.S. Balasubramaniam, GTE Division, P.O. Box 2754, Bangkok 10501, Thailand)

December 1 - 5, 1986

- RESEARCH IN GEOPHYSICS AND GEO-PHYSICAL EXPLORATION IN AFRICA** (International Conference), Kano, Nigeria. Co-sponsored by International Lithosphere Program. (AGERA Conference, c/o Department of Physics, University of Jos, Jos, Nigeria)

December 5 - 7, 1986

- GEOLOGY OF INDOCHINA** (Conference), Ho Chi Minh City, Vietnam. (Conference Secretariat CGI, General Department of Geology, 6 Pham Ngu Lao St., Hanoi, Vietnam)

December 8 - 12, 1986

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

December 15 - 17, 1986

- **PHYLOGENY AND EVOLUTIONARY BIOLOGY OF ECHINODERMS** (Meeting), London, U.K. (Dr. A.B. Smith, Department of Palaeontology, British Museum (Natural History), Cromwell Road, London SW7 5BD, U.K.)

December 15 - 20, 1986

- ★ **THE ROLE OF GEOLOGY IN URBAN DEVELOPMENT IN SOUTHEAST ASIA** (Landplan III - A Symposium), Hong Kong. Sponsored in part by IUGS, IAEG and AGID. (Geological Society of Hong Kong, c/o Department of Geography and Geology, University of Hong Kong, Pokfulam Road, Hong Kong)

December 29 - 31, 1986

- **EARTHQUAKE ENGINEERING** (8th Symposium), Roorkee, India. (Indian Society of Earthquake Technology, Prof. B.V. Lavania, Department of Earthquake Engineering, Roorkee 247667, India)

1987

January 1987

- **GEOGRAPHIC INFORMATION SYSTEMS IN**

ASIA (IGU Regional Conference), Bangkok, Thailand. (D.F. Marble, Dept. of Geography, SUNY at Buffalo, Amherst, NY 14260, U.S.A.)

January 5 - 9, 1987

- **METEORITES AND THE EARLY SOLAR SYSTEM** (Conference), Tucson, Arizona, U.S.A. (Dr. J. Kerridge, Institute of Geophysics, University of California, Los Angeles, CA 90024, U.S.A.)

January 8 - 9, 1987

- MAGMATISM IN THE OCEAN BASINS** (Meeting), Leicester, U.K. (A.D. Saunders, Department of Geology, The University, Leicester LE1 7RH, U.K.)

January 9 - 14, 1987

- **THE PALAEOENVIRONMENT OF EAST ASIA** (2nd International Conference), Hong Kong. (Dr. E.K.Y. Chen/Dr. R.O. Whyte, Centre of Asian Studies, University of Hong Kong, Hong Kong)

January 19 - 23, 1987

- HOW VOLCANOES WORK** (Hawaii Symposium), Hilo, Hawaii. (Robert Decker, U.S. Geological Survey, MS-910, 345 Middlefield Road, Menlo Park, CA 94025, U.S.A.)

January 21 - 31, 1987

- GRANITES AND ASSOCIATED MINERALIZATION** (International Symposium), Salvador, Bahia, Brazil. Languages: English, French and Portuguese. (ISGAM, Augusto J. Pedreira, SME-CPM: Rua Ceara, 3-Pituba, 40,000, Salvador, Bahia, Brazil)

January 27 - 30, 1987

- CANADIAN REEF RESEARCH** (Symposium), Banff, Alberta, Canada. (Canadian Reef Research Symposium, University of Calgary Conference Office, 2500 University Drive NW, Calgary, Alberta, Canada T2N 1N4)

February 1987

- QUATERNARY SEDIMENTS OF THE ARABIAN GULF AND THE MESOPOTAMIAN PLAIN** (International Conference), Kuwait. (Secretary-General 1987, Dept. of Geology, Kuwait University, Box 5969, Kuwait)

February 2 - 6, 1987

- ASH: A NEW RESOURCE**, (Symposium), Pretoria, South Africa. (Dr. R.A. Kruger, CSIR-Frd, POB 395, Pretoria 0001, South Africa)

February 9 - 11, 1987

- **SINKHOLES AND THE ENVIRONMENTAL IMPACTS OF KARST** (2nd Multidisciplinary Conference and Field Trip), Orlando, Florida, U.S.A. (Dr. B.F. Beck, Florida Sinkhole Research Institute, University of Central Florida, Orlando, FL 32816, U.S.A.)

February 9 - 13, 1987

- ★ **COMMISSION FOR THE GEOLOGICAL MAP OF THE WORLD** (CGMW Plenary Assembly), Paris, France. (Secretary General, CGMW, 77 rue Claude-Bernard, 75005 Paris, France)

February 13 - 21, 1987

- **LOESS** (3rd International Symposium), New Zealand. (Dr. D.N. Eden, N.Z. Soil Bureau, DSIR, Private Bag, Lower Hut, New Zealand)

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 16 - 20, 1987

- **LUNARY AND PLANETARY SCIENCE** (18th Conference) Houston, Texas, U.S.A. (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 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)

April 6 - 10, 1987

- HYDROLOGY IN PERSPECTIVE** (International Symposium), Rome, Italy. Co-sponsored by Unesco, WMO, and IAHS. (International Association of Hydrological Sciences, GIBI s.a.s. Studio Congressi, Via Marco Besso, 40, 00191 Rome, Italy)

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 13 - 16, 1987

- EUROPEAN UNION OF GEOSCIENCES** (IV Biennial Conference), Strasbourg, France. (Prof. Dr. W. Lowrie, Inst. für Geophysik, HPP P 5, ETH Hönggerberg, CH 8093 Zurich, Switzerland)

April 23 - 26, 1987

- ★ **INTERNATIONAL GEOCHEMICAL EXPLORATION** (12th AEG Symposium) and **METHODS OF GEOCHEMICAL PROSPECTING** (4th IAGC Symposium), Orléans La 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-PALEOGEOGRAPHY-GEOCHEMISTRY** (International Symposium), Hannover/Kassel, F.R.G. (J. Lepper, Niedersächsisches Landesamt für Bodenforschung, P.O. Box 51 01 53, D-3000 Hannover 51, F.R.G.)

May 3 - 7, 1987

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

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. Schalke, 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. Kupsch, Department of Geological Sciences, University of Saskatchewan, Saskatoon, Sask., Canada S7N 0W0)

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.)

Coming Events

May 31 - June 5, 1987

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

June 1987

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

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 11 - 12, 1987

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

July 1987

• **CHEMISTRY OF THE EARTH AND THE UNIVERSE** (IAGC 20th Anniversary Congress), Paris, France. (Dr. B. Hitchon, Alberta Research Council, Terrace Plaza, 4445 Calgary Trail South, Edmonton, Alberta, Canada T6H 5R7)

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, England, U.K.)

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

PACIFIC NEOGENE PALEOCEANOGRAPHIC AND BIOSTRATIGRAPHIC EVENTS (Meeting), Berkeley, Calif., U.S.A. (Dr. C. Brunner, Department of Paleontology, University of California, Berkeley, CA 94720, U.S.A.)

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 Coordinator, College of Forestry, Oregon State University, Corvallis, OR 97331, U.S.A.)

August 9 - 18, 1987

• **PRECAMBRIAN-CAMBRIAN BOUNDARY WORKING GROUP** (Meeting), St. John's, Newfoundland, Canada. (Dr. G. Narbonne, Department of Geological Sciences, Queen's University, Kingston, Ont., 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 12 - 20, 1987

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

August 17 - 20, 1987

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

August 20 - 30, 1987

PACIFIC SCIENCE ASSOCIATION (16th Congress), Seoul, South Korea. Section B: Solid

Earth Sciences (Prof. Bong Kyun Kim, Dept. of Geological Sciences, Seoul National Univ., Seoul, South Korea)

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 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 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 3, 1987

SOIL MECHANICS AND FOUNDATION ENGINEERING (9th European Conference), 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. (Prof. Yang Jing-zhi, Nanjing Institute of Geology and Palaeontology, Chi-Ming-Ssu, Nanjing, P.R. China)

September 1987

• **HISTORY OF THE ROCK AND FOSSIL RECORD** (13th INHIGEO Symposium), Pisa, Italy. (Dr. E. Dudich, Hungarian Geological Institute, Budapest XIV, Nepszabadsag ut 14. pf. 106, H-1442 Hungary)

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-Estaun, Dpto de Geologia, Universidad de Oviedo, 33005 Oviedo, Spain)

September 7 - 12, 1987

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

September 11 - 14, 1987

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

September 14 - 18, 1987

CIRCUM-PACIFIC PHANEROZOIC GRANITES (International Symposium), Tucuman, Argentina. Jointly with 10th Argentine Geological Congress. (Dr. Carlos W. Rapela, Centro de Investigaciones Geologicas, Universidad Nacional de La Plata, Calle 1 no 644, 1900 La Plata, Argentina)

September 14 - 18, 1987

• **HYDROLOGY OF COAL BASINS** (IUGS/IAH Symposium), Katowice, Poland. (Dr. E. Romijn, Provincial Waterboard of Gelderland, Markstraat 1, P.O. Box 9090, 6800 GX Arnhem, The Netherlands)

September 14 - 25, 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 27 - October 1, 1987

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

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 MEGS 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 12 - 16, 1987

• **MATHEMATICAL METHODS IN GEOLOGY** (16th Annual Geochautauqua), Pribram, Czechoslovakia. (Sekretariat symposia, Hornicka Pribram ve vede a Technice, Post. schr. 41, 261 02 Pribram, Czechoslovakia)

October 26 - 29, 1987

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

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

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

1988

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 4BR, U.K.)

March 20 - 23, 1988

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

May 16 - 20, 1988

• **BICENTENNIAL GOLD 88** (Conference), Melbourne, Australia. Cosponsored 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)