COMING EVENTS . . .

- * Signifies 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.

July 29 - August 4, 1982

INTERNATIONAL CARTOGRAPHIC ASSOCIATION, (11th International Conference), Warsaw, Poland. (L.A. Maercklein, U.S. Papers Committee, c/o N.Y. State Department of Transportation, Bldg. 4, Room 105, State Campus, Albany, N.Y. 12232, U.S.A.)

August 1982

INTERNATIONAL ASSOCIATION OF VOLCANOLOGY AND CHEMISTRY OF THE EARTH'S INTERIOR, (Meeting), Iceland. Sponsored by IUGG. (P.E. Baber, Dept. of Geology, University of Nottingham, Nottingham, Notts. NG7 2RD, U.K.)

August 1 - 6, 1982

GEOTEXTILES, (2nd International Conference), Las Vegas, U.S.A. (The Secretary General, Second International Conference on Geotextiles, Industrial Fabrics Association International, 350 Endicott Bldg., St. Paul, Minnesota 55101, U.S.A.)

August 1 - 9, 1982

* **Xth INQUA CONGRESS**, (50th anniversary of founding of INQUA in Leningrad), Moscow, U.S.S.R. Pre- and post-Congress excursions. (I.P. Kartashov, Secretary General, XI INQUA Congress, Geological Institute, U.S.S.R. Academy of Sciences, Pyzhevsky 7, Moscow 109017, U.S.S.R.)

August 1 - 9, 1982

* **SEA-LEVEL MOVEMENTS DURING THE LAST DEGLACIAL HEMICYCLE**, (IGCP Project 61, Final Working Group Meeting with 11th INQUA Congress), Moscow, U.S.S.R. (A.L. Bloom, Dept. of Geological Sciences, 221 Kimball Hall, Cornell University, Ithaca, New York 14853, U.S.A.)

August 2 - 13, 1982

* **JOINT OCEANOGRAPHIC ASSEMBLY**, Halifax, Canada. Sponsored by SCOR, CMG/IUGS, IABO, IAMAP, IAPSO, ECOR, CNC/SCOR with support from IOC/UNESCO. (L. O'Quinn, Executive Secretary, JOA-82, 240 Sparks Street, 7th Floor West, Ottawa, Canada K1A 0E6)

August 5 - 11, 1982

* **NORTH AMERICAN PALEONTOLOGICAL CONVENTION**, (3rd Meeting), Montreal, Canada. (North American Paleontological Convention, 3450 University Street, Montreal, Quebec, Canada H3A 2A7)

August 10 - 12, 1982

● **CERRO PRIETO GEOTHERMAL FIELD**, (Symposium), Guadalajara, Mexico. Field trips before and after the meeting. (A. Manon, Coordinadora Ejecutiva de Cerro Prieto, C.F.E., P.O. Box 248, Calexico, California 92231, U.S.A.; or R. Zelwer, University of California, Lawrence Berkeley Laboratory, Earth Sciences Division, Berkeley, California 94720, U.S.A.)

August 14 - 29, 1982

* **IV INTERNATIONAL SYMPOSIUM ON THE ORDOVICIAN SYSTEM**, Oslo, Norway. One pre-Meeting excursion in Norway and three post-Meeting excursions in Sweden. (D.L. Bruton, Paleontologisk Museum, Sarsgate 1, Oslo 5, Norway)

August 15 - 22, 1982

* **GENERATION OF MAJOR BASALT TYPES**, (International Meeting, Co-sponsored by IAGC), Reykjavik, Iceland. (G.E. Sigvaldason, Nordic Volcanological Institute, 101 Reykjavik, Iceland)

August 15 - 22, 1982

INTERNATIONAL ASSOCIATION OF GEOMAGNETISM AND AERONOMY, (6th Workshop on Electromagnetic Induction in the Earth and Moon), Livermore, U.S.A. (A. Duba, Lawrence Livermore National Laboratory, Livermore, California 94550, U.S.A.)

August 16 - 18, 1982

FINE-GRAINED SEDIMENTS: DEEP-WATER PROCESSES AND ENVIRONMENTS, Halifax, Canada. Sponsored by the Geological Society

of London and the Geological Association of Canada, (D.A.V. Stow, Grant Institute of Geology, Edinburgh University, Edinburgh EH9 3JW, Scotland, U.K.)

August 16 - 20, 1982

* **ANTARCTIC EARTH SCIENCES**, (4th International Symposium), Adelaide, Australia. Sponsored by SCAR, IUGS, IUGG, and the Geological Society of Australia. Pre- and post-Symposium excursions. (R.L. Oliver, Dept. of Geology & Mineralogy, The University of Adelaide, P.O. Box 498, G.P.O. Adelaide, South Australia 5001, Australia)

August 18 - 20, 1982

● **PETROLEUM EXPLORATION IN THE SUB-ANDINEAN BASINS OF VENEZUELA, COLOMBIA, ECUADOR AND PERU**, (Symposium), Bogota, Colombia. (ACGCP, C. Caceres, V.P., Apartado Aéreo 13726, Bogota, Colombia)

August 18 - 21, 1982

* **REGIONAL TRENDS IN THE GEOLOGY OF THE APPALACHIAN-CALEDONIAN-HERCYNIAN OROGEN**, (Plenary Symposium, IGCP Project 27), New Brunswick, Canada. Pre- and post-Symposium field trips. (P.E. Schenk, Atlantic Canada Symposium, Dept. of Geology, Dalhousie University, Halifax, Nova Scotia, Canada B3H 3J5)

August 18 - 23, 1982

* **DEVELOPMENT OF GEOLOGICAL MAPPING AND GEOCARTOGRAPHY WITH PROGRESS IN GEOLOGICAL THINKING**, (INHIGE Symposium), Budapest, Hungary. Post-Symposium excursions. Languages: English, French, German and Russian. (Hungarian Geological Society/MFT/INHIGE '82, Anker-köz 1, H-1061, Budapest VI, Hungary)

August 20 - 21, 1982

* **PETROLEUM RESOURCE ASSESSMENT IN THE CIRCUM-PACIFIC**, (Symposium and Workshop), Honolulu, Hawaii. Co-sponsored by IUGS, East-West Center and CPEMRC. (C. Masters, U.S. Geological Survey, Reston, Virginia 22092, U.S.A.)

August 22, 1982

APPLICATION OF PLATE TECTONIC THEORY TO RESOURCE EVALUATION, (One-day Course), Honolulu, Hawaii. Sponsored by American Association of Petroleum Geologists. (AAPG, P.O. Box 979, Tulsa, Oklahoma 74101, U.S.A.)

August 22 - 28, 1982

CIRCUM-PACIFIC ENERGY AND MINERAL RESOURCES, (Conference), Honolulu, Hawaii, U.S.A. Technical sessions, workshops and pre- and post-Conference field trips. (A.P. Hatch, Atlantic Richfield Co., 515 South Flower St., Los Angeles, California 90071, U.S.A.)

August 22 - 28, 1982

● **LIVING AND FOSSIL DIATOMS**, (Symposium), Philadelphia, U.S.A. (C. Reimer, Academy of Natural Sciences, 19th & the Parkway, Philadelphia, PA 19103, U.S.A.)

August 22 - 28, 1982

* **INTERNATIONAL ASSOCIATION OF SEDIMENTOLOGISTS**, (Congress and Symposium on Weathering, Soils and the Sedimentary Cycle), Hamilton, Canada. Languages: English and French. (G.V. Middleton, IAS Congress 1982, Dept. of Geology, McMaster University, Hamilton, Ontario, Canada L8S 4M1)

August 23 - 27, 1982

PROSPECTING IN AREAS OF GLACIATED TERRAIN, (CIM 5th Symposium), St. John's, Newfoundland, Canada. (P. Davenport, Newfoundland Dept. of Mines and Energy, P.O. Box 4750, St. John's, Newfoundland, Canada A1C 5T7)

August 23 - 27, 1982

● **EUROPEAN GEOPHYSICAL SOCIETY and EUROPEAN SEISMOLOGICAL COMMISSION**, Leeds, U.K. (J.C. Briden, Department of Earth Sciences, University of Leeds, Leeds LS2 9JT, U.K.)

August 27 - 28, 1982

FRACTURES IN GEOTHERMAL RESOURCES, (Workshop), Honolulu, Hawaii. Sponsored by AAPG. (Meetings Dept., Geothermal Resources Council, P.O. Box 98, Davis, California 95617, U.S.A.)

August 28 - 31, 1982

● **GEOPHYSICAL, GEOCHEMICAL AND PETROLOGICAL EVIDENCE ON DEFORMATION AND COMPOSITION OF THE CONTINENTAL SUBCRUSTAL LITHOSPHERE** (First Albert Wegener Conference), Seeheim, F.R.G. (K. Fuch, Geophysical Institute, Hertz Strasse 16, 75 Karlsruhe, F.R.G.)

August 29 - September 3, 1982

● **7th EUROPEAN CRYSTALLOGRAPHIC MEETING**, Jerusalem, Israel. (J. Bernstein, Department of Chemistry, Ben-Curion University of the Negev, Berr-Sheva 84120, Israel)

August 30 - September 1, 1982

3rd EUROPEAN CONODONT SYMPOSIUM (ECOS III), Lund, Sweden. Post-Symposium field trip. (ECOS III, c/o Paleontologiska avdelningen, Sölvegatan 13, S-223 62 Lund, Sweden)

August 31 - September 2, 1982

PLANAR AND LINEAR FABRICS OF DEFORMED ROCKS, (International Conference), Zürich, Switzerland. Sponsored by Geological Institute and Tectonics Studies Group. Pre- and post-Conference field trips. (J.G. Ramsay, Geologisches Institut, ETH-Zentrum, CH-8092 Zürich, Switzerland)

August 31 - September 4, 1982

MESOZOIC AND CENOZOIC GEOLOGY OF CHINA, (Symposium), Beidaihe, Hebei Province, China. Celebrating the 60th anniversary of the Geological Society of China. Languages: Chinese and English. Excursions. (Wang Zejiu, Secretary General, The Geological Society of China, Fuchengmenwai, Baiwanzhuang, Beijing, People's Republic of China)

September 1 - 2, 1982

ECOLOGITE, (1st International Conference), Clermont-Ferrand, France. (D.C. Smith, Laboratoire de Minéralogie, Muséum National d'Histoire Naturelle, 61 rue de Buffon, 75005 Paris, France)

September 1 - 3, 1982

● **STUDIES OF PALEOCLIMATES IN CENTRAL EUROPE FROM THE START OF THE EEM INTERGLACIAL TO THE PRESENT**, Zürich, Switzerland. (J. Suter, Deutsches Geographisches Institut der Universität Zürich, CH-8033 Zürich, Switzerland)

September 1 - 8, 1982

● **APPLIED GEOPHYSICS IN TROPICAL REGIONS**, (Symposium), Belém, Brazil. Sponsored by the Brazilian Geophysical Society. (José Sexias Lourenço, NCGG-UFPA, Caixa Postal 1611, Belém-Para, 66000 Brazil)

September 2 - 10, 1982

VOLCANIC PROCESSES IN MARGINAL BASINS, (Volcanic Studies Group Meeting), Keele, U.K. Field meeting to Ordovician volcanic terrains of SW Wales and Snowdonia. (R.A. Roach, Dept. of Geology, The University, Keele, Staffordshire ST5 5B6, U.K.)

September 3 - 11, 1982

* **ARCHEAN AND EARLY PROTEROZOIC GEOLOGIC EVOLUTION AND METALLOGENESIS**, (International Symposium), Salvador, Brazil. Sponsored by Bahia Secretariat of Mines and Energy, SBG, CNPq, Brazilian Academy of Sciences and ICL. (A.J. Pedreira, ISAP Coordinator, CPRM, Rua Barros Falcao 21, 40000, Salvador, Bahia, Brazil)

September 3 - 11, 1982

WATER RESOURCES, (4th World Congress), Buenos Aires, Argentina. Sponsored by the International Water Resources Association. (G.E. Stout, Water Resources Center, University of Illinois, 2535 Hydrosystems Laboratory, 208 N. Romine, Urbana, Illinois 61801, U.S.A.)

Coming Events ...

September 5 - 10, 1982

- **COMPARATIVE PERSPECTIVES ON MINING IN 19th and 20th CENTURY LATIN AMERICA**, (Symposium), Manchester, England. (W. Culver, Department of Political Science, College of Arts and Sciences, State University of New York, Plattsburgh, NY 12901, U.S.A.)

September 5 - 11, 1982

- * **INTERNATIONAL ASSOCIATION OF HYDROGEOLOGISTS** (16th Congress), Praha, Czechoslovakia. Excursions. Languages: English, French, Russian, Czech and Slovak. (Stavební geologie n.p. Praha, Gorkého namesti 7, 11309 Praha 1, Czechoslovakia)

September 6 - 8, 1982

- **GEOLOGY OF JORDAN**, (1st Geological Conference), Amman, Jordan. Languages: Arabic and English. (A.M. Abed, Dept. of Geology, University of Jordan, Amman, Jordan)

September 6 - 10, 1982

- **2nd BRAZILIAN CONGRESS ON GROUNDWATER**, Salvador, Brazil. (Scientific Secretary, Caixa Postal 0958, Salvador - 40 000, Brazil)

September 6 - 11, 1982

- **MID-CRETACEOUS EVENTS**, (4th Session of Central European Working Group), Budapest. (G. Csaszar, 106, H-1442 Budapest, Hungary)

September 6 - 12, 1982

- * **INTERNATIONAL ASSOCIATION ON THE GENESIS OF ORE DEPOSITS**, (6th Symposium), Tbilisi, U.S.S.R. Languages: Russian and English. (A.G. Tualchrelidze, Caucasian Institute of Mineral Resources, 85 Paliashvili St., 380030 Tbilisi, U.S.S.R.)

September 7 - 11, 1982

- **KIMBERLITE**, (3rd International Conference), Clermont-Ferrand, France. (F. Boudier, Université de Nantes, Laboratoire de Tectonophysique, 2 rue de la Houssinière, 44072 Nantes, Université de Nantes, France)

September 7 - 12, 1982

- **BRAZILIAN GEOLOGY CONGRESS**, Salvador, Brazil. (SBG, Caixa Postal 20 899, São Paulo - 01 000, Brazil)

September 8 - 9, 1982

- **VERTEBRATE PALAEONTOLOGY**, London, U.K. (R.J. Cleevely, Department of Palaeontology, British Museum (Natural History), Cromwell Road, London, U.K.)

September 8 - 19, 1982

- * **CONTINENTAL SEISMICITY AND EARTHQUAKE PREDICTION**, (International Symposium and Study Tour), Beijing, China. Sponsored by UNESCO and IASPEI. Languages: Chinese and English. (Office of the Organizing Committee, c/o State Seismological Bureau, Beijing, People's Republic of China)

September 9 - 10, 1982

- * **VOLCANIC PROCESSES IN MARGINAL BASINS**, (Meeting), Staffordshire, U.K. (Dr. B.P. Kokelaar, Ulster Polytechnic, School of Environmental Sciences, Shore Road, Newtownabbey, Co. Antrim BT37 0QB, N. Ireland)

September 9 - 10, 1982

- **QUATERNARY GLACIATION OF THE NORTHERN HEMISPHERE**, IGCP No. 24, Paris, France. (O. Conchon, Laboratoire de Pétrologie sédimentaire et Paléontologie, Université Paris Sud, 91405 Orsay, France)

September 12 - 17, 1982

- * **ENGINEERING IMPLICATIONS OF EARTH SURFACE PROCESSES, ENGINEERING GEOMORPHOLOGY**, (18th annual regional meeting of the Engineering Group and Joint Meeting with the British Geomorphological Research Group), Birmingham, U.K. (J. Greenfield, JAPEC, c/o The Geological Society, Burlington House, Piccadilly, London W1V 0JL, U.K.)

September 12 - 27, 1982

- **SWISS GEOLOGICAL SOCIETY CENTENARY**, (Meeting and Excursions), Zürich, Switzerland. (R. Trümpy, Geologisches Institut, ETH-Zentrum, CH-8095 Zürich, Switzerland)

September 13 - 14, 1982

- **THE NORTHERN MARGINS OF THE HERCYNIDES IN THE NORTHERN ATLANTIC REGION**, (Meeting with post meeting field excursions), Dublin, Ireland. (D. Hutton, Dept. of Geology, Trinity College, Dublin 2, Ireland)

September 13 - 17, 1982

- **SEISMICITY IN MINES**, (International Symposium), Johannesburg, South Africa. (Conference Secretary, South African National Group on Rock Mechanics, P.O. Box 61809, Marshalltown 2107, Republic of South Africa)

September 13 - 17, 1982

- **INTERNATIONAL SOCIETY FOR PHOTOGRAMMETRY AND REMOTE SENSING**, (Symposium and Exhibition, Commission VII, Data Interpretation), Toulouse, France. (Groupement pour le Développement de la Télédétection Aérospatiale, 18 avenue Edouard-Belin, 31055 Toulouse Cedex, France)

September 14 - 16, 1982

- **HYDRAULICS** (17th Meeting), Nantes, France. (Société Hydrotechnique de France, 199, rue de Grenelle, 75007 Paris, France)

September 19 - 25, 1982

- * **INTERNATIONAL MINERALOGICAL ASSOCIATION**, (13th General Meeting), Varna, Bulgaria. Field excursions. (Secretary General, 13th IMA Meeting, University of Sofia, Chair of Mineralogy, Boulv. Russki 15, Sofia, 1000 Bulgaria)

September 19 - 25, 1982

- **PEAT - ITS PROPERTIES AND PERSPECTIVES OF UTILIZATION**, (International Symposium of IPS Commissions II and IV), Minsk, U.S.S.R. Languages: English, German, and Russian. Field trips. (Soviet Committee of IPS, RSFSR Ministry of Fuel Industry, Sadovaya-Chernomyazskaya st., 8, Moscow 107813, U.S.S.R.)

September 20 - 24, 1982

- **ICSU**, 19th General Assembly, Cambridge, U.K. (Secretary General, ICSU, 51 Boulevard de Montmorency, 75016 Paris, France)

September 21 - 22, 1982

- * **MESOZOIC AND CENOZOIC CORRELATIONS OF WEST AFRICA**, (2nd Scientific Conference, IGCP Project 183), Rabat, Morocco. Sponsored by IGCP and UNESCO. Post-Conference field trip. (M. Moullade, Centre de Recherches Micropaléontologiques "Jean Cuvillier", Université de Nice, Parc Valrose, 06034 Nice, Cedex, France)

September 22 - 26, 1982

- **GEOLOGICAL SOCIETIES OF THE BRITISH ISLES**, (5th Meeting), Glasgow, Scotland. (W.E. Tremlett, Glasgow University, Glasgow G12 8QQ, U.K.)

September 23, 1982

- **FLUIDS IN METAMORPHISM**, (Meeting), Glasgow, Scotland. Sponsored by Metamorphic Studies Group of the Geological Societies of London and Mineralogical Society of Great Britain. (M. Brown, Dept. of Geology and Physical Sciences, Oxford Polytechnic, Headington, Oxford OX3 0BP, U.K.)

September 23 - 24, 1982

- **FOSSILS AND CLIMATE**, (Symposium), Glasgow, Scotland. (C.B. Cox, Department of Geology, University, Brownlow Street, Liverpool, U.K.)

September 23 - 25, 1982

- **THE CENTENNIAL OF THE SOCIETA GEOLOGICA ITALIANA**, (71st Congress and field excursions), Bologna, Italy. (Signora Helga Vai, c/o Istituto di Geologia e Paleontologia dell'Università, via Zamboni 63-67, 40127 Bologna, Italy)

September 23 - 24, 1982

- **PETROLEUM GEOCHEMISTRY AND EXPLORATION OF NW EUROPE**, (Petroleum Geochemistry Group Meeting), Glasgow, Scotland. (J. Brooks, Exploration Division, The British National Oil Corporation, 150 St. Vincent Street, Glasgow G2 5LJ, Scotland, U.K.)

September 26 - October 1, 1982

- **ASSOCIATION OF ENGINEERING GEOLOGISTS**, (25th Annual Meeting & Field Trips), Montreal, Canada. (Luc Boyer, AEG/Montreal 82, P.O. Box 18, Station N, Montreal, Quebec, Canada H2X 3M2)

September 26 - October 3, 1982

- **STRATIGRAPHY AND PALEOGEOGRAPHY OF THE CRETACEOUS OF SPAIN**, Albacete, Spain. (A.A. Millán, Fac. Ciencias Geológicas, Dep. estratigrafía, Madrid 3, Spain)

September 28 - 30, 1982

- **GEOLOGICAL EVOLUTION OF THE EASTERN MEDITERRANEAN**, (Meeting), Edinburgh, Scotland. (Dr. A.H.F. Robertson, Grant Institute

of Geology, University of Edinburgh, West Mains Road, Edinburgh EH9 3JW, Scotland, U.K.)

October 1982

- **BENEFICIATION OF TIN AND ASSOCIATED MINERALS**, (Seminar), Bangkok, Thailand. (Director, SEATRAD Center, 14 Tiger Lane, Ipoh, Malaysia)

October 1 - 2, 1982

- **QUANTIFICATION OF COAL GEOLOGY**, (Annual Geochautauqua), Urbana, Illinois, U.S.A. (C.J. Mann, Department of Geology, University of Illinois, 1301 W. Green St., Urbana, Illinois 61801, U.S.A.)

October 3 - 6, 1982

- **ASSOCIATION OF EARTH SCIENCE EDITORS**, (Annual Meeting), Williamsburg, Virginia, U.S.A. (J.C. Holoviak, American Geophysical Union, 2000 Florida Avenue NW, Washington, D.C. 20009, U.S.A.)

October 3 - 7, 1982

- **2nd BRAZILIAN CONGRESS ON PETROLEUM**, Rio de Janeiro, Brazil. (A/C Instituto Brasileiro de Petróleo, Av. Rio Branco, 156 - 10º andar-sala 1035, 20043 Rio de Janeiro - RJ, Brazil)

October 3 - 8, 1982

- **CODATA**, (8th International Conference), Kozubnik, Poland. (A. Bylicki, Institute of Physical Chemistry, Polish Academy of Sciences, ul. Kasprzaka 44/52, 01-224 Warsaw, Poland)

October 4 - 8, 1982

- **APPLIED ORE MICROSCOPY**, (12th Annual Short Course), Rolla, Missouri, U.S.A. To precede International Conference on Mississippi Valley-type Lead-Zinc Deposits in Rolla. (R.D. Hagni, Dept. of Geology and Geophysics, University of Missouri, Rolla, Missouri 65401, U.S.A.)

October 5 - 7, 1982

- **WILLISTON BASIN SYMPOSIUM**, (4th International), Regina, Saskatchewan, Canada. (Williston Basin Symposium, c/o Bob Davie, Saskatchewan Geological Survey, 1914 Hamilton Street, Regina, Saskatchewan S4P 4V4, Canada)

October 7 - 8, 1982

- **TALC**, Toulouse et Luzenac, France. (Société Française, Minéralogie et Cristallographie, Tour 16, 4 place Jussieu, 75 230 Paris Cedex 05, France)

October 7 - 9, 1982

- **RELATIONS BETWEEN ORGANISMS AND SEDIMENTS**, Perpignan, France. (M. Giresse, Université de Perpignan, avenue de Villeneuve, 66025 Perpignan, France)

October 7 - 10, 1982

- **D'HYDROLOGIE EN PAYS CALAIRE**, (3ième colloque), Neuchâtel, Switzerland. Post-Conference excursion. (A. Burger, Centre d'Hydrogéologie, Institut de Géologie, 1, Rue Emile Argand 11, CH-2000 Neuchâtel 7, Switzerland)

October 10 - 13, 1982

- **ROLE OF CLAY MINERALS IN HYDROCARBON EXPLORATION**, Santa Fe, New Mexico, U.S.A. (J. Hower, Department of Geology, University of Illinois, 245 Natural History Building, 1301 W. Green, Urbana, Illinois 61801, U.S.A.)

October 10 - 14, 1982

- **4th COLOMBIAN GEOLOGICAL CONGRESS**, (1st Symposium on Hydrogeology), Cali, Colombia. Sponsored by Sociedad Colombiana de Geología, INGEOMINAS and Universidad del Valle. Languages: Spanish and English. (IV Congreso Colombiano de Geología, Apartado Aéreo 2442 Cali - AP. Aéreo 32214, Bogotá, D.E., Colombia)

October 11 - 14, 1982

- **GEOTHERMAL ENERGY: TURN ON THE POWER**, (Annual Meeting and Technical Sessions, Geothermal Resources Council), San Diego, California, U.S.A. Pre-and post-Conference field trips. (Meetings Dept., Geothermal Resources Council, P.O. Box 98, Davis, California 95617, U.S.A.)

October 11 - 14, 1982

- **MISSISSIPPI VALLEY-TYPE LEAD-ZINC DEPOSITS**, (International Conference), Rolla, Missouri, U.S.A. Preceded by short course on Applied Ore Microscopy. Field trips. (G. Kisvarsanyi, Dept. of Geology & Geophysics, University of Missouri, Rolla, Missouri 65401, U.S.A.)

October 11 - 20, 1982

- **INTERNATIONAL COUNCIL FOR THE EXPLOITATION OF THE SEA**, (70th Statutory Meeting),

Coming Events ...

1983

- Copenhagen, Denmark. (General Secretary ICES, Palaegade 2-4, 1261 Copenhagen K, Denmark)
- October 16 - 21, 1982
HUMAN PALAEOLOGY. (1st International Symposium), Nice, France. Sponsored by UNESCO, Union Internationale des Sciences Préhistoriques et Protohistoriques et Conseil International de la Philosophie et des Sciences Humaines. (H. de Lumley, 1er Congrès International de Paléontologie Humaine, Institut de Paléontologie Humaine, 1, rue René Panhard, 75103 Paris, France)
- October 17 - 22, 1982
*** V LATIN AMERICAN GEOLOGICAL CONGRESS**. Buenos Aires, Argentina. Languages: Spanish, Portuguese, English, and French. (5th Congreso Latinoamericano de Geología, Avenida Santa Fé 1548-12° Piso, 1060 Buenos Aires, Argentina)
- October 18 - 21, 1982
GEOLOGICAL SOCIETY OF AMERICA. (Annual Meeting), New Orleans, U.S.A. (S.S. Beggs, Geological Society of America, P.O. Box 9140, 3300 Penrose Place, Boulder, Colorado 80301, U.S.A.)
- October 18 - 22, 1982
SOCIETY OF EXPLORATION GEOPHYSICISTS. (Annual Meeting), Dallas, U.S.A. (J. Hyden, Society of Exploration Geophysicists, Box 3098, Tulsa, Oklahoma 74101, U.S.A.)
- October 23 - 25, 1982
*** GEOMORPHOLOGY IN TROPICAL ENVIRONMENTS**, Manchester, U.K. (Geological Society, Burlington House, London W1V 03U, U.K.)
- October 25 - 27, 1982
MODERN APPROACH TO GROUNDWATER RESOURCES MANAGEMENT. (International Conference), Capri (Naples), Italy. Co-sponsored by IAHR Section on Water Resources Analysis. (Istituto di Idraulica, Politecnico di Milano, Piazza Leonardi da Vinci, 20133 Milan, Italy)
- October 27 - 29, 1982
NEW PATHS TO MINERAL EXPLORATION. (3rd International Symposium on Mineral Resources), Hannover, F.R.G. (R. Weber, Federal Institute for Geosciences and Natural Resources, Postfach 51 61 53, D-3000 Hannover 51, F.R.G.)
- November 1 - 6, 1982
*** IMPORTANCE OF MINING TO INDUSTRIAL DEVELOPMENT**. (Seminar), Bandung, Indonesia. Organized by RMRDC. (Director, RMRDC, Jalan Jenderal Sudirman 623, Bandung, Indonesia)
- November 8 - 14, 1982
*** 3rd CHILEAN GEOLOGICAL CONGRESS**. (Seminars & Field Trips), Concepcion, Chile. (L.L. Diaz, Dpto. Geociencias, Universidad de Concepcion, Apartado 10, Concepcion, Chile)
- November 10 - 13, 1982
AMERICAN INSTITUTE OF PROFESSIONAL GEOLOGISTS. (Annual Meeting), Pasadena, California, U.S.A. (American Institute of Professional Geologists, Box 957, Golden, Colorado 80401, U.S.A.)
- November 14 - 16, 1982
CRETACEOUS OF INDIA: PALAEOECOLOGY, PALAEOGEOGRAPHY AND TIME BOUNDARIES. (Symposium), Lucknow, India. Sponsored by the Indian Association of Palynostratigraphers. (H.P. Gupta, Organizing Secretary, Symposium on Cretaceous of India, 53 University Road, P.O. Box 106, Lucknow 226 007, India)
- November 14 - 19, 1982
COASTAL ENGINEERING. (International Conference), Cape Town, Republic of South Africa. (B.L. Edge, Coastal Engineering Research Council, Dept. of Civil Engineering, Clemson University, Clemson, South Carolina 29631, U.S.A.)
- November 17 - 19, 1982
OPHOLITES AND OCEANIC LITHOSPHERE. (Meeting), London, U.K. (S. Lippard, Dept. of Earth Sciences, Open University, Milton Keynes MK7 6AA, U.K.)
- November 17 - 24, 1982
*** PHOSPHORITES**. (Fifth International Field Workshop and Seminar), Kunming, China. (Wang Daxion, Secretary-General, Organizing Committee of the Fifth International Field Workshop and Seminar on Phosphorites, c/o Ministry of Geology, Beijing, China)
- November 22 - 26, 1982
*** 7th SOUTHEAST ASIAN GEOTECHNICAL CONFERENCE**. Hong Kong. (VII SEAGC, c/o Hong Kong Institution of Engineers, P.O. Box 13987, Hong Kong)
- November 22 - 23, 1982
*** THEORY, APPLICATION AND COMPARISON OF STRATIGRAPHICAL CORRELATION METHODS** (International Meeting), Geneva, Switzerland. Sponsored by IGCP Project 148. (F.P. Agterberg, Geological Survey of Canada, 601 Booth Street, Ottawa K1A 0E8, Canada.)
- November 24, 1982
APPLICATION OF ELECTRON MICROSCOPY IN METAMORPHIC AND STRUCTURAL GEOLOGY. (Meeting organized by Metamorphic and Tectonics Study Groups), London, U.K. (J.H. White, Dept. of Geology, Imperial College of Science and Technology, London SW7 2BP, U.K.)
- November 24 - 26, 1982
*** PETROLEUM GEOLOGY OF THE SE NORTH SEA**. (International Conference), The Hague The Netherlands. (Netherlands Congress Centre, P.O. Box 82000, 2508 EA The Hague, The Netherlands)
- November 29 - December 4, 1982
*** BIOGEOCHEMICAL MINERAL EXPLORATION IN TROPICAL RAINFOREST ENVIRONMENTS**. (Seminar), Bandung, Indonesia. Organized by RMRDC. (Director, RMRDC, Jalan Jenderal Sudirman 623, Bandung, Indonesia)
- December 1982
CONSTRUCTION PRACTICES AND INSTRUMENTATION IN GEOTECHNICAL ENGINEERING. (International Conference), Surat, India. Post-Conference tours. (M. Desai, Convenor, 1982 IGS Conference, S.V.R. College of Engineering and Technology, Surat 395007, India)
- December 1982
THE PALAEOENVIRONMENT OF EAST ASIA FROM THE MID-TERTIARY. (Conference), Hong Kong. (E.K.Y. Chen, Director, Centre of Asian Studies, University of Hong Kong, Hong Kong)
- December 1 - 2, 1982
*** SEDIMENTARY PROCESSES & STABILITY ON THE CONTINENTAL SLOPE**. (Meeting), London, U.K. Sponsored by the Geological Society. (N.H. Kenyon, Institute of Oceanographic Sciences, Wormley, Surrey GU8 5UB, U.K.)
- December 1 - 6, 1982
*** INTERNATIONAL ASSOCIATION OF ENGINEERING GEOLOGY**. (4th International Congress), New Delhi, India. Pre-and post-Congress excursions. Languages: English and French. (G. Pant, Associate Secretary, Geological Survey of India, 47 - 48, Pragati Bhawan, Nehru Place, New Delhi 110019, India)
- December 2 - 11, 1982
*** INTERNATIONAL COMMISSION FOR SCIENTIFIC EXPLORATION OF THE MEDITERRANEAN SEA** (28th Congress and Plenary Assembly), Cannes. (Secrétaire Général de la CIESM, 16 boulevard de Suisse, MC 98030 Monte-Carlo Cedex, Principauté de Monaco)
- December 5 - 10, 1982
MINERAL TECHNOLOGY IN THE SOUTHERN HEMISPHERE (1st Meeting), Rio de Janeiro, Brazil. (Brasenco, Assessoria de Congressos Ltda., Rua Almirante Cochrane, 202, CEP 20550 - Rio de Janeiro-RJ, Brazil)
- December 6 - 10, 1982
AMERICAN GEOPHYSICAL UNION. (Fall Meeting), San Francisco, U.S.A. (American Geophysical Union, 2000 Florida Ave. NW, Washington, D.C. 20009, U.S.A.)
- December 13 - 19, 1982
*** AFRICAN GEOLOGY** (7th Conference), Nairobi, Kenya. Sponsored by Geological Society of Africa. (C.A. Kogbe, GSA, c/o CIFEG, 103 rue de Lille, 75007 Paris, France)
- December 16 - 17, 1982
*** PALAEOGENE/NEOGENE** (4th Meeting), Milan, Italy. Sponsored by IUGS Commission on Stratigraphy Working Group on the Palaeogene Neogene Boundary. (F. Sleiner, Institute for Paleontology, University of Vienna, Universitaetsstr. 7/11, A-1010 Vienna, Austria)
- January 4 - 15, 1983
*** TILL MAURITANIA 83: WEST AFRICAN PALAEO-GLACIATIONS**. Nouakchott, Mauritania. 3-day conference and 8-day excursion sponsored in part by IGCP and INQUA. Languages: English and French. (M. Deynoux, Université de Poitiers, Lab. de Pétrologie de la surface, 40, Av. du Recteur Pineau, 86022 Poitiers Cedex, France)
- January 10 - 15, 1983
*** COMMISSION FOR THE GEOLOGICAL MAP OF THE WORLD**. (Plenary Assembly), Paris, France. (F. Delany, CGMW, 51 Boulevard de Montmorency, 75016 Paris, France)
- January 13 - 14, 1983
SULPHIDE MINERALOGY AND PETROLOGY (Meeting with special reference to metamorphic rocks), London, U.K. Sponsored by Mineralogical Society and Metamorphic Studies Group. (D.J. Vaughan, Dept. of Geological Sciences, University of Aston in Birmingham, Birmingham B4 7ET, U.K.)
- January 16 - 22, 1983
*** SOIL EROSION AND CONSERVATION**. (2nd International Conference), Honolulu, Hawaii, U.S.A. (S.A. El-Swaify, Department of Agronomy and Soil Science, College of Tropical Agriculture and Human Resources, University of Hawaii, 3190 Maile Way, Honolulu, Hawaii 96822, U.S.A.)
- January 24 - 25, 1983
*** DEVELOPMENT AND COORDINATION OF REGIONAL GEOLOGICAL ACTIVITIES IN DEVELOPING COUNTRIES** (IUGS Seminar), Bangkok, Thailand. (C.C. Weber, IUGS Secretary-General, Maison de la Géologie, 77 rue Claude Bernard, 75005 Paris, France)
- February 1 - 11, 1983
XV PACIFIC SCIENCE CONGRESS, Dunedin, New Zealand. (Secretary-General, 15th Pacific Science Congress, P.O. Box 6063, Dunedin, New Zealand)
- February 1 - 11, 1983
*** PACIFIC NEOGENE STRATIGRAPHY**. (3rd International Meeting), Dunedin, New Zealand. Sponsored by the Royal Society of New Zealand and IUGS. (A.R. Edwards, Secretary, N.Z. Geological Survey, P.O. Box 30 - 368, Lower Hutt, New Zealand)
- February 20 - 25, 1983
LITHOSPHERIC DYNAMICS AND EVOLUTION OF CONTINENTAL CRUST. (6th Convention), Canberra, Australia. (M.B. Duggan, Organizing Secretary, 6th Australian Geological Convention, P.O. Box 1923, Canberra City, ACT 2601, Australia)
- February 21 - 25, 1983
*** GEOLOGICAL SOCIETY OF TURKEY** (37th Scientific Congress) Special symposium on Geology of the Taurids, Ankara, Turkey. (Necdet Özgül, Türkiye Jeoloji Kurumu, Post Box 464, Kizilay, Ankara, Turkey)
- March 16, 1983
METAMORPHIC STUDIES RESEARCH IN PROGRESS. (Meeting), London, U.K. (M. Brown, Honorary Secretary, Metamorphic Studies Group, Dept. of Geology & Physical Sciences, Oxford Polytechnic, Headington, Oxford OX3 0BP, U.K.)
- April 10 - 15, 1983
*** ROCK MECHANICS** (5th International Congress), Melbourne, Australia. (Australian Geomechanics Society Institution of Engineers, Australia, 11 National Circuit, Barton, A.C.T. 2600, Australia)
- April 11 - 13, 1983
*** PROTEROZOIC '83**. (1st International Conference), Lusaka, Zambia. Field trips. Sponsored by Geological Survey of Zambia and GSA. Languages: English and French. (The Secretariat, Proterozoic '83, P.O. Box 50135, Lusaka, Zambia)
- April 11 - 15, 1983
BENTHOS '83. (2nd International Symposium on Benthonic Foraminifera), Pau, France. Sponsored by French Academy of Sciences and French Paleontological Association. (M. Hamaoui, SNEA(P), Direction Exploration, Centre Micoclaou, B.P. 65, 64018 Pau, France)
- April 17 - 20, 1983
AAPG and SEPM. (Joint Annual Meeting), Dallas, U.S.A. (AAPG, Box 979, Tulsa, Oklahoma 74101, U.S.A.)

Coming Events ...

April - May 1983

- ★ **INTERNATIONAL ASSOCIATION OF SEDIMENTOLOGISTS**, (4th European Meeting), Split, Yugoslavia. Pre- and post-Conference field trips. (V. Jelaska, Geoloski Zavod, Sachsova 2, 41000 Zagreb, Yugoslavia)

May 1983

- **SOIL MECHANICS AND FOUNDATION ENGINEERING**, (8th European Conference), Helsinki, Finland. (Secretary General, VIII ECSMF, c/o VTT/GEO, SF-02150 Espoo 15, Finland)

May 2 - 6, 1983

- ★ **METHODS AND INSTRUMENTS FOR THE INVESTIGATION OF GROUNDWATER SYSTEMS**, (International Symposium), Noordwijkerhout, The Netherlands. Co-sponsored by UNESCO, IHP, IAHS, and IAH. Languages: English and French. (Secretary, Organizing Committee, Congress Bureau of the Corporate, Communication Dept. TNO, 148, Juliana van Stolberglaan, 2595 CL The Hague, The Netherlands)

May 8 - 13, 1983

- **THE MESOZOIC OF MIDDLE NORTH AMERICA**, Calgary, Canada. Sponsor Canadian Society of Petroleum Geologists (D. Stott, Institute of Sedimentary and Petroleum Geology, 3303 -33 Street N.W., Calgary, Alberta, Canada T2L 2A7)

May 11 - 13, 1983

- **GEOLOGICAL ASSOCIATION OF CANADA** (Annual Meeting), Victoria, British Columbia. (G. McArthur, Room 418, 617 Government Street, Victoria, B.C. V8V 1X4, Canada)

May 16 - 18, 1983

- **THE ROLE OF HEAT IN THE DEVELOPMENT OF ENERGY AND MINERAL RESOURCES IN THE NORTHERN BASIN AND RANGE PROVINCE**, (Symposium), Reno, Nevada, U.S.A. (Meetings Dept., Geothermal Resources Council, P.O. Box 98, Davis, California 95617, U.S.A.)

May 24 - 31, 1983

- **EUROPEAN GEOLOGICAL SOCIETIES**, (3rd Meeting), Erlangen, F.R.G. (G. Lüttig, Institute of Geology and Mineralogy, 8520 Erlangen, Schlossgarten 5, F.R.G.)

May 26 - 31, 1983

- **AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE**, (Annual Meeting), Detroit, U.S.A. (American Association for the Advancement of Science, 1776 Massachusetts Ave. NW, Washington, D.C. 20036, U.S.A.)

July 18 - 22, 1983

- **INTERNATIONAL CONFERENCE ON PERMAFROST**, Fairbanks, Alaska, U.S.A. (L. DeGoes, Polar Research Board, National Academy of Sciences, 2101 Constitution Ave. NW, Washington, D.C. 20418, U.S.A.)

July 18 - 23, 1983

- **PALEOECOLOGY**, (1st International Congress), Lyon, France. (Secrét. 1^{er} Congrès int. de paléo-écologie, Université Claude-Bernard, Dépt. Sc. Terre. 27-43, bd. du 11-Novembre, 69622 Villeurbanne Cedex, France)

August 7 - 12, 1983

- **FOSSIL CORALS**, (Symposium), Washington, D.C. (W.A. Oliver, Jr., U.S. Geological Survey, E-305 Natural History Building, Smithsonian Institution, Washington, D.C. 20560, U.S.A.)

August 8 - 13, 1983

- ★ **INTERNATIONAL ASSOCIATION OF PLANETOLOGY**, (2nd International Conference and General Assembly), Brussels, Belgium. (R.J. Dejaiffe, Royal Observatory of Belgium, Avenue Circulaire 3, B-1180 Brussels, Belgium)

August 14 - 22, 1983

- **X GEOLOGICAL CONFERENCE ON THE CARIBBEAN**, Cartagena. (M. Hermelin, Sociedad Colombiana de Geología, A.A. 32214, Bogota, Colombia)

August 15 - 27, 1983

- **IUGG**, (18th General Assembly), Hamburg, F.R.G. (Local Organizing Committee, IUGG 1983, Hamburg Messe und Congress GmbH, Congress Organization, Postfach 30 23 60, D-2000 Hamburg 36, F.R.G.)

August 27, 1983

- **KRAKATAU ERUPTION**, (Centennial Symposium), Jakarta, Indonesia. (D.S. Sasrpradja, Indonesian Institute of Sciences, Box 250, Jakarta, Indonesia)

August 29 - September 1, 1983

- ★ **METHODS OF GEOCHEMICAL PROSPECTING**, (10th IGES and 3rd SMGP), Espoo, Finland. Sponsored by AEG and IAGC. Pre- and post-Symposium field trips to Scandinavia, Greenland and Soviet Karelia. (A. Björklund, 10th IGES - 3rd SMGP, Geological Survey of Finland, SF-02150 Espoo, Finland)

August 29 - September 8, 1983

- ★ **INTERNATIONAL ASSOCIATION OF GEOCHEMISTRY AND COSMOCHEMISTRY**, (4th International Symposium of Water-Rock Interaction), Misasa, Japan. Technical sessions and post-Symposium field trips. Sponsored by Institute for Thermal Spring Research, Geochemical Society of Japan, and Geothermal Research Society of Japan. (H. Sakai, Secretary-General, WRI-4, Institute for Thermal Spring Research, Okayama University, Misasa, Tottori-ken 682-02, Japan)

September 1983

- ★ **CORRELATION OF CALEDONIAN STRATABOUND SULFIDES**, (Symposium), Ottawa, Canada. Organized in collaboration with IGCP Project 60. Excursions to classic localities in Eastern Canada and New England. (D.F. Sangster, Geological Survey of Canada, Room 662, 601 Booth Street, Ottawa, Ontario, Canada K1A 0E8)

September 1983

- **ENGINEERING GEOLOGY AND UNDERGROUND CONSTRUCTION**, Lisbon, Portugal. (Sociedade Portuguesa de Geotecnia, c/o L.N.E.C., Av. Brasil, 101, 1799 Lisboa Codex, Portugal)

September 1983

- ★ **THE HERCYNIO-CALEDONIDE EVOLUTION OF MOROCCO**, Rabat, Morocco. Organized in collaboration with IGCP Project 27. (M. Bensaid, Colloque sur les Hercynio-Caledonides du Maroc, Direction de la géologie, Ministère de l'Energie et des Mines, Rabat, Morocco)

September 1983

- **GEOMATERIALS: ROCKS, CONCRETES, SOILS**, (Meeting), Evanston, Illinois, U.S.A. (Secretary-General IUTAM, Chalmers University of Technology, Fack, S-40220 Gothenburg 5, Sweden)

September 11 - 15, 1983

- **SOCIETY OF EXPLORATION GEOPHYSICISTS**, (53rd Annual Meeting), Las Vegas, Nevada, U.S.A. (J. Hyden, SEG, Box 3098, Tulsa, Oklahoma 74101, U.S.A.)

September 12 - 17, 1983

- **CARBONIFEROUS STRATIGRAPHY AND GEOLOGY**, (10th International Congress), Madrid, Spain. Languages: English, French, German and Spanish; English and Spanish preferred for oral presentations. (Comité Organizador del X Congreso Internacional de Estratigrafía y Geología del Carbonífero, Instituto Geológico Minero de Espana, Rios Rosas, 23-Madrid-3, Espana)

September 19 - 23, 1983

- **WORLD ENERGY**, (12th Conference), New Delhi, India. (E. Rutledge, World Energy Conference, 34 St. James Street, London SW1A 1HD, U.K.)

September 19 - 24, 1983

- **QUATERNARY**, (6th Meeting), Galicia, Spain. (Sr. Secretario del Grupo Espanol de Trabajo del Cuaternario, Instituto de Edafología y Biología Vegetal, Serrano, 115 duplicado, Madrid - 6, Spain)

September 25 - 30, 1983

- **ICSOBA**, (5th International Congress), Zagreb, Yugoslavia. Post-Congress field trips. Sponsored by the Yugoslav Academy of Sciences and Arts. (O. Lahodny-Sarc, Secretary General of ICSOBA, Yugoslav Academy of Science and Arts, Zrinski trg 11, 41000 Zagreb, Yugoslavia)

October 1983

- **INTERNATIONAL COUNCIL FOR THE EXPLORATION OF THE SEA**, (71st Statutory Meeting), Göteborg, Sweden. (General Secretary ICES, Palaegade 2-4, 1261 Copenhagen, Denmark)

October 3 - 5, 1983

- **NEW TECHNOLOGY AND FUTURE DIRECTIONS FOR POTASH PRODUCTION**, (1st International Conference), Saskatoon, Saskatchewan. Sponsored by Saskatchewan Mining Association, University of Saskatchewan and Saskatchewan Research Council. (J. Lubenow, Conference Secretary, c/o SEDCO, 241 Second Ave. S., Saskatoon, Saskatchewan, Canada S7K 1K8)

October 18 - 21, 1983

- **CRETACEOUS STAGE BOUNDARIES** (Symposium), Copenhagen, U.S.A. Technical sessions, optional field trips. (The Secretariat, Institute of Historical Geology, Øster Voldgade 10, DK-1350 Copenhagen K, Denmark)

October 23 - 27, 1983

- **GEOHERMAL RESOURCES COUNCIL**, (Annual Meeting), Oregon, U.S.A. Technical sessions, optional field trips. (Meetings Dept., Geothermal Resources Council, P.O. Box 98, Davis, California 95617, U.S.A.)

October 30 - November 3, 1983

- **SOCIETY OF EXPLORATION GEOPHYSICISTS**, (Annual Meeting), Washington, D.C., U.S.A. (J. Hyden, SEG, Box 3098, Tulsa, Oklahoma 74101, U.S.A.)

October 31 - November 3, 1983

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

December 1983

- ★ **GROUNDWATER '83**, (IAH Symposium), Sydney, Australia. (W. Williamson, Ibis House, 201/211 Miller St., P.O. Box 952, North Sydney, N.S.W. 2060, Australia)

December 1983

- **GEOLOGY OF SOMALIA**, Mogadishu, Somalia. Languages: Somali, Arabic, English, Italian, French and Russian. (The Dean, Faculty of Geology, Somali National University, P.O. Box 1081, Mogadishu, Somali Democratic Republic)

December 5 - 9, 1983

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

1984

March/April 1984

- **GEOLOGY, MINERAL AND ENERGY RESOURCES OF SOUTHEAST ASIA**, (GEOSEA V), Kuala Lumpur, Malaysia. (T.T. Khoo, Dept. of Geology, University of Malaya, Kuala Lumpur 22-11, Malaysia)

March 26 - 30, 1984

- **COMPUTER APPLICATIONS IN THE MINERAL INDUSTRIES** (18th International Symposium), London, U.K. Organized by the Institution of Mining and Metallurgy. (The Conference Office, Institution of Mining and Metallurgy, 44 Portland Place, London W1N 4BR, U.K.)

May 1984

- **GEOLOGICAL ASSOCIATION OF CANADA**, (Annual Meeting), London, Canada. (A.V. Morgan, Dept. of Earth Sciences, University of Waterloo, Waterloo, Ontario, Canada N2L 3G1)

May 20 - 23, 1984

- **AAPG and SEPM**, (Joint Annual Meeting), San Antonio, Texas, U.S.A. (AAPG, Box 979, Tulsa, Oklahoma 74101, U.S.A.)

May 24 - 29, 1984

- **AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE**, (Annual Meeting), New York, U.S.A. (AAAS Headquarters, 1776 Massachusetts Ave., NW, Washington, D.C. 20036, U.S.A.)

July 21 - 28, 1984

- **EARTHQUAKE ENGINEERING**, (8th World Conference), San Francisco, U.S.A. (R.B. Matthisen, Chairman - 8WCEE, Earthquake Engineering Research Institute, 2620 Telegraph Ave., Berkeley, California 94704, U.S.A.)

August 4 - 14, 1984

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

August 9 - 18, 1984

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

August 24 - 30, 1984

- ★ **6TH INTERNATIONAL PALYNOLOGICAL CONFERENCE**, Calgary, Canada. Sponsored by

Coming Events ...

ICP, CAP, CSPG, the University of Calgary, and Arctic Institute of North America. Pre- and post-Conference excursions. (L. Kokoski, Conference Office, Faculty of Continuing Education, Education Tower Room 102, Calgary, Alberta, Canada T2N 1N4)

August - September 1984

25TH INTERNATIONAL GEOGRAPHICAL CONGRESS (and meeting of the International Committee of the 16th General Assembly of the International Geographical Union), Paris, France. Sponsored by Académie des Sciences, Deutsche Forschungsgemeinschaft and Société de Géographie de Paris. Pre- and post-Congress ex-

cursions. Languages: French, English, German and Italian. (Comité d'Organisation du Congrès International de Géographie, 19, rue Isidore-Pierre, 14000 Caen, France)

September, 1984

★ **CALEDONIDE OROGEN**, (IGCP Project 27, Working Group Meeting), Edinburgh, Scotland. Pre-Meeting excursions in Ireland, Scotland, England and Wales. (A.L. Harris, The University of Liverpool, Jane Herdman Laboratories of Geology, Brownlow Street, P.O. Box 147, Liverpool L69 3BX, U.K.)

November 5-8, 1984

GEOLOGICAL SOCIETY OF AMERICA, (Annual Meeting), Reno, U.S.A. (S.S. Beggs, Geological

Society of America, P.O. Box 9140, 3300 Penrose Place, Boulder, Colorado 80301, 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, Oklahoma 74101, U.S.A.)

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