Meetings

FORTHCOMING MEETINGS

The VIII International Congress of INQUA, Paris, 1969.

The International Union for Quaternary Research will hold its Congress in Paris from 30th August to the 5th September 1969, under the patronage of the Academy of Science. Amongst several excellent technical sessions, the following symposia will be held: (1) World sea levels during the past 11, 000 years; (2) the stratigraphy of Great Deeps; (3) the Neotectonics in Europe (Atlantic and Mediterranean regions), and in the Pacific regions; (4) Problems raised by the method of lithogenetic study of continental Quaternary deposits; and (5) the absolute age of Quaternary deposits. Information may be obtained from: Dr. Henri Elhai,
Secretary General,
8th Congress of INQUA,
191 rue Saint-Jacques,
Paris-5e, France.

Fourth Canadian Probe Users Meeting, Department de Genie géologique de l'Ecole Polytechnique, Université de Montréal, Montréal, Québec, Canada, June 3, 1969.

The Canadian Probe Users Group has been established to promote interlaboratory co-operation and to contribute to the advancement of Electron Microprobe Analysis. The first meeting of the Group was held at Ottawa in 1966, and subsequent annual meetings have been held at Toronto in 1967, and Hamilton in 1968.

The informal basis on which the meetings of the Group are planned, enables the participants to discuss their own analytical interests. However, the participants are also invited to present short papers which represent recent progress in microprobe analysis. This format will be maintained for the Montreal meeting, but contributions are especially invited in the field of standardization of quantitative analytical procedures. These results will provide a focal point for further relations with other organizations involved in similar work.

It is hoped that the close provimity of dates for this meeting and those of the Geological Association of Canada and the Mineralogical Association of Canada, which will be held at Université de Montréal, may alleviate some of the difficulties caused by distance and encourage new personal contacts between people interested in electron microprobe analysis.

For information on reservations please contact: R. Coy-Yll,
Ecole Polytechnique,
2500, av. Marie-Guyard,
Montréal 250, Québec, Canada.

Annual Meeting of the Geological Association of Canada and Mineralogical Association of Canada, University of Montreal, Montreal, Quebec, Canada, June 5, 6, and 7, 1969.

This program will include the following technical sessions:

I Economic Geology - Chairman - L. A. Clark, McGill University
II Mineralogy and Crystallography - Chairman - A. J. Frueh, McGill University
III Geochemistry and Petrology - Chairman - B. M. Gunn, Université de Montréal
IV Geomorphology, Hydrogeology, and Quaternary Geology - Chairman - J. A. Elson, McGill University
V Geophysics and Structural Geology - Chairmen - R. Doig, McGill University and J. Martignole, Université de Montréal
VI Stratigraphy, Paleontology and Sedimentology - Chairman - B. Mamet, Université de Montréal
VII Engineering Geology - Chairman - H. Greice, McGill University
VIII Symposium: "Alkaline rocks: Monteregian Hills" - Chairman - G. Perrault, Ecole Polytechnique
IX Symposium: "Flysch Sedimentology in North America" - Chairman - J. Lajoie, Université de Montréal

Field trips of immediate interest to the sedimentary geologists are: (1) Flysch sediments, (2) City of Montreal New Control and Research Laboratory, (3) Quaternary Geology of the Lac St-Jean area, (4) Structural Geology of the Sherbrooke area, and (5) Stratigraphy of the St. Lawrence Lowlands.

For further information write Professor Jacques Béland, Chairman,
GAC-MAC Mtg. 1969,
Département de Géologie,
Université de Montréal,
C. P. 6128, Montréal,

REPORTS ON RECENT MEETINGS

Biostratigraphic Seminar, University of Montreal, Montreal, Quebec, 28th November, 1968.

This seminar, aside from the fine technical content of the program, was highly successful from the standpoint of consumable sea food. This appeared to be in keeping with the meeting. The invited papers and discussions were given as follows.

A. J. Boucot (University of Pennsylvania) - "Lower Devonian brachiopod zoogeography and zonations"

M. Gordon (U. S. Geological Survey) - "Macrofaunal zonations of the Carboniferous"

C. W. Stearn (McGill University) - "Life on a Devonian reef margin"

E. T. Tozer (Geological Survey of Canada) - "Ammonoid zonation of the Triassic and some general implications"

E. W. MOUNTJOY

Offshore Information Seminar, Bedford Institute, Dartmouth, Nova Scotia, January 29-30, 1969.

The main objective of this seminar was to acquaint the offshore permit holders with the capability along the east coast for assisting offshore exploration and development. It was aimed specifically at the oil industry in view of the fact that most of the acreage has been filed by oil companies, and the bulk of our offshore activity is in this area. However mining companies were interested in the proceedings, as well as other industries such as the fisheries, sand and gravel companies, engineering firms and those interested in furthering the economic and social development of the area.

At the meetings, which lasted for two days, a review was given on the state of the various arts as practised at the Bedford Institute, with outside speakers adding to this information. One session covered hydrographic charting, navigation and the oceano raphic setting. The Department of Transport discussed ice movements and services on weather reporting at sea. Another session dealt with the marine geophysical and geological program at the Bedford Institute and was presented entirely by Bedford Institute scientists. A third session dealt with geology and geophysics as carried out by the Dominion Observatories and Geological Survey of Canada, Ottawa, and the Atlantic Provinces Universities and the Nova Scotia Research Foundation. Two representatives from the Department of Energy, Mines and Resources gave specific information to operators and others interested in developing the area.

This whole program represents a three-fold interest or partnership on development of the area. The university, industry and government met to disseminate some of the information at hand and to indicate where further information and services could be obtained. As such this is a service to the community which, it is hoped, will have both a regional and national beneficial effect.

Wednesday, 29 January, 1969

Opening remarks by seminar co-ordinator, and welcome address by Dr. Wm. L. Ford, Director, Atlantic Oceanographic Laboratory, Bedford Institute.

HYDROGRAPHY, NAVIGATION, AND OCEANOGRAPHY - Sessional Chairman, Dr. A. E. Collin,

Dominion Hydrographer, Marine Sciences Branch, Department of Energy, Mines and Resources, Ottawa.

Hydrographic Charting and Navigational Aids: R. C. Melanson, Regional Hydrographer, AOL, Bedford Institute.

Satellite Navigation: D. E. Wells, Instrument Development Canadian Hydrographic Service, AOL, Bedford Institute.

Ice Movement: W. E. Markham, Ice Forecasting Centre, Department of Transport, Halifax.

Question Period: Panel of R. C. Melanson, D. E. Wells, W. E. Markham, J. G. Stegall (Motorola Inc., Government Electronics Division, Scottsdale, Arizona), and G. H. Washburn (General Weather Services, Department of Transport, Moncton, New Brunswick).

Physical Oceanographic Setting: W. Bailey, Environmental Oceanography, Bedford Institute.

Waves and Swells and their Effects on Moorings and Structures: H. G. A. Neu, Applied Oceanography, Bedford Institute.

Question Period: Panel of Bedford Institute Oceanographers: W. Bailey, H. G. A. Neu, and W. Forrester.

EARTH SCIENCES PROGRAM, ATLANTIC OCEANOGRAPHIC LABORATORY, BEDFORD INSTITUTE - Sessional Chairman, Dr. C. D. Maunsell, Senior Oceanographer, AOL, Bedford Institute.

Geophysical Operations: D. I. Ross, Marine Geophysics, AOL, Bedford Institute.

Geophysical Maps: G. N. Ewing, Marine Geophysics, AOL, Bedford Institute.

Magnetotelluric Studies on Continental Margin and Relationship to Oil Exploration: S. Srivastava, Marine Geophysics, Bedford Institute.

Question Period: Panel of Bedford Institute geophysicists, D. I. Ross, G. N. Ewing and S. Srivastava.

Seismic Reflection Profiling on Continental Shelf and Slope off Labrador and Northeast Newfoundland: A. C. Grant, Marine Geology, AOL, Bedford Institute.

Geology of the Scotian Shelf and adjacent Slope: L. H. King and J. I. Marlowe, Marine Geology, AOL, Bedford Institute.

Geological Report on Grand Banks Drill Cores: G. A. Bartlett, Marine Geology, AOL, Bedford Institute.

Question Period: Panel of Bedford Institute geologists; A. C. Grant, L. H. King, J. I. Marlowe and G. A. Bartlett.

Thursday, 30 January, 1969

EARTH SCIENCES PROGRAM OF THE DOMINION OBSERVATORIES AND GEOLOGICAL SURVEY OF CANADA, OTTAWA, THE NOVA SCOTIA RESEARCH FOUNDATION AND THE ATLANTIC PROVINCES UNIVERSITIES - Sessional Chairman, Dr. E. Blanchard, President, Nova Scotia Research Foundation, Halifax, N. S.

Dominion Observatories Geophysical Program: A. K. Goodacre, Dom. Obs. Gravity Division Department of Energy, Mines and Resources, Ottawa.

Geological Survey of Canada Seismic Program: G. D. Hobson, G. S. C. Geophysics Division (Seismic), Department of Energy, Mines and Resources, Ottawa.

Geological Survey of Canada Aeromagnetic Program: P. J. Hood, G. S. C. Geophysics Division (Magnetics), Department of Energy, Mines and Resources, Ottawa.

Question Period: Panel of Ottawa (DEMR) geophysicists, A. K. Goodacre, G. D. Hobson and P. J. Hood.

Nova Scotia Research Foundation Program in Earth Sciences: D. E. T. Bidgood, NSRF, Halifax, N. S.

Atlantic Provinces University Program in Earth Sciences: M. J. Keen, Chairman, Department of Geology, Dalhousie University, Halifax, N. S.

Question Period: Panel of D. E. T. Bidgood and M. J. Keen, H. Williams, Department of Geology, Memorial University of Newfoundland, St. John's.

DEPARTMENTAL INFORMATION PROGRAM TO OFFSHORE OPERATORS - Opening remarks by seminar co-ordinator.

Disposition of Natural Resources Charts: A. E. Collin, Dominion Hydrographer, Marine Sciences Branch, Departm nt of Energy, Mines and Resources, Ottawa.
Availability of Industry Reports to Government: M. Bell, Conservation Engineer, Resource Administration Division, Department of Energy, Mines and Resources, Ottawa.

Closing remarks, seminar co-ordinator
Writing hours

B. R. PELLETIER
Seminar Co-ordinator

Symposium on Recent Crustal Movements, Camsell Hall, Ottawa, Ontario, March 17 and 18, 1969.

Symposium Chairman: J. G. Fyles, Chief, Division of Quaternary Research and Geomorphology, Geological Survey of Canada, Department of Energy, Mines and Resources, Ottawa, Ontario.

This Symposium was sponsored by the Committee on Recent Crustal Movements and Seismic Regionalization, an inter-branch committee of the Department of Energy, Mines and Resources. This committee was set up originally to co-ordinate studies that might cast light on the pattern and causes of Canadian earthquakes; its interests were later extended to include all aspects of recent crustal movements observed in Canada. The committee hopes that the symposium will serve to extend this co-ordination throughout Canada and adjacent areas of the United States. Proceedings will be published by the Canadian Journal of Earth Sciences

Symposium Program

WELCOME - K. Whitham, Chief, Seismology Division, Observatories Branch, Ottawa, Ontario.
OPENING ADDRESS - The development of the theory of recent crustal movements with special reference to faults with large horizontal displacements - J. Tuzo Wilson, University of Toronto, Toronto, Ontario.
POST-TERTIARY TECTONISM
Session Chairman: R. J. W. Douglas, Geological Survey of Canada, Ottawa, Ontario.

Today's topography and tectonics in northeastern Canada: J. Wm. Kerr, Geological Survey of Canada, Calgary, Alberta.
Notes and discussion, eastern Canada (Invited contributors)
Recent crustal movements on Labrador Shelf: A. C. Grant, Atlantic Oceanographic Laboratory, Bedford Institute, Dartmouth, Nova Scotia.
Discussion of negative evidence of Recent crustal movement over Scotian Shelf: L. H. King, Atlantic Oceanographic Laboratory, Bedford Institute, Dartmouth, Nova Scotia.
Volcanism and its relationship to recent crustal movements in the Canadian Cordillera: J. G. Souther, Geological Survey of Canada, Vancouver, British Columbia.
Notes and discussion, western Canada (Invited contributors)

MEASUREMENT, SEISMICITY, AND ENGINEERING IMPLICATIONS
Session Chairman: A. C. Hamilton, Surveys and Mapping Branch, Ottawa, Ontario.

Postglacial faulting and seismicity in New York and Quebec: J. F. Oliver, Tracy Johnson, James Dorman, Lamont Geological Observatory, Palisades, New York.
Canadian seismicity and microearthquake research in Canada: W. B. Milne, W. E. T. Smith, G. C. Rogers, Observatories Branch, Victoria, British Columbia, and Ottawa, Ontario.
Crustal deformation due to loading by the ocean tide: D. R. Bower, Observatories Branch, Ottawa, Ontario.
Geodetic observations for the detection of crustal movement: L. A. Gale, Surveys and Mapping Branch, Ottawa, Ontario.
The assessment and presentation of tides and water level records for geophysical investigations: G. C. Dohler, Marine Sciences Branch, Ottawa, Ontario.
Some implications of crustal movement on engineering planning: R. H. Clarke, N. P. Persoage, Inland Waters Branch, Ottawa, Ontario.

POSTGLACIAL UPLIFT AND TILTING

Session Chairman: W. H. Mathews, University of British Columbia, Vancouver, British Columbia and O. L. Hughes, Geological Survey of Canada, Calgary, Alberta.

Construction of a time-uplift curve for postglacial marine levels, with particular reference to southwestern Hudson Bay: B. G. Craig, Geological Survey of Canada, Ottawa, Ontario.

Pumice, radiocarbon dates, and differential postglacial uplift in the eastern Queen Elizabeth Islands, Arctic Canada: Weston Blake, Jr., Geological Survey of Canada, Ottawa, Ontario.

Rate and form of postglacial uplift in the Huron Basin: C. F. M. Lewis, Geological Survey of Canada, Burlington, Ontario.

Recent submergence, Maritime Provinces: D. R. Grant, Geological Survey of Canada, Ottawa, Ontario.

Postglacial land movements in southwestern British Columbia: W. H. Mathews, University of British Columbia, Vancouver, British Columbia.

ISOSTASY

Session Chairman: O. H. Løken, Inland Waters Branch, Ottawa, Ontario, and G. D. Garland, University of Toronto, Toronto, Ontario.

Present and late-glacial rates of uplift for eastern and northern North America derived from glacio-isostatic uplift curves: J. T. Andrews, University of Colorado, Boulder, Colorado.

Isostatic response to loading of the crust in Canada: R. I. Walcott, Observatories Branch, Ottawa, Ontario.

Panel discussion: A. L. Bloom, Cornell University, Ithaca, New York; M. D. Crittenden, Jr., United States Geological Survey, Menlo Park, California; R. K. McDonnell, Jr., A. D. Little Co., Cambridge, Massachusetts; W. S. Broecker, Lamont Geological Observatory, Palisades, New York.

A. C. GRANT

Geological Society of America, Northeastern Section, Albany, New York, March 13-15, 1969.

A record number of people attended the fourth annual meeting of this branch of the G. S. A. The highlight of the meeting and of particular interest to Canadian listeners was a symposium on the Chronological Evolution of the Eastern Canadian shield. A large number of the other papers presented reported the results of stratigraphic and paleontological field work in New York and adjacent areas. Of most interest to eastern sedimentologists were probably the session on Pleistocene and the second session on Sedimentology where several excellent papers on Recent sediments were presented.

Selected Titles of papers presented at the conferences:

Sediments of the Continental Shelf off Long Island, New York: F. McKinney and G. M. Friedman.

Position of the Siluro-Devonian Boundary in the Appalachian Province: A. J. Boucot and J. G. Johnson.

Sedimentary Structures and their Environmental Significance in the Marine Catskill Delta of New York: Robert G. Sutton.

Recognizing Tidal Environments in Carbonate Rocks with Particular Reference to those of the Lower Paleozoics in the Northern Appalachians: Gerald M. Friedman.

The End Moraine of the Lower Wright Glacier, McMurdo Sound, Antarctica: Robert L. Nichols.

Sediment Size Parameters and Mineral Composition as a Supplement to Field Identification of Glacial Deposits: Hugo F. Thomas.

Antidunes as Trochoid Waves: Bryce M. Hand.

Lower Continental Rise Hills off Cape Hatteras: Peter A. Rona.

Syndepositional Deformational Structures at Sand/Mud Interfaces: John E. Sanders.

Underwater Television as a Tool for Mapping the Outer Continental Margin: Daniel J. Stanley, Peter Fenner, Gilbert Kelling and Donald Swift.

Stratigraphic Evidence for Magnitude of Movement on the Champlain Thrust: A. R. Palmer.

Quaternary of the Hudson River Estuary: A Preliminary Report: Walter S. Newman, H. S. Zeiss, D. L. Thurber and Allan Rokach.

KATE KRANCK