

## Meetings

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## Meetings

### FORTHCOMING MEETINGS

#### The GAC-MAC 1969 meeting, Montreal, Quebec.

The GAC-MAC 1969 meeting will be held in Montreal, Canada. A symposium on flysch sedimentology will be organized for this meeting. Further information will be published as a later date but immediate enquiries may be directed to Professor Jean Lajoie, Department of Geology, Université de Montreal, Montreal, Quebec, Canada.

#### The VIII Congress of INQUA, 1969, Paris.

The VIII International Congress will take place in Paris from 30th of August to the 5th of September, 1969, under the patronage of the Academy of Science.

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

A symposium on recent crustal movements sponsored by the Committee on Recent Crustal Movements and Seismic Regionalization, Department of Energy, Mines and Resources will be held in Camsell Hall, 588 Booth Street, Ottawa, on March 17 and 18, 1969. Interested scientists are invited to attend a 2-day symposium on Recent Crustal Movements, designed to focus attention on the present state of knowledge of this subject in Canada. The program of invited papers by specialists in geology, geography, geophysics, hydrography, and geodesy will deal largely with vertical movement and will concentrate on (1) geologic-geomorphic deduction of movement from the past record, (2) measurement of present movement, (3) analyses and interpretation of movement in the light of geophysical concepts, (4) engineering implications of recent movement.

Further information on the symposium including a list of speakers and topics will be mailed later.

Inquiries: Dr. J. G. Fyles,  
Geological Survey of Canada,  
Department of Energy, Mines and Resources,  
601 Booth Street,  
Ottawa, Ontario.

#### Offshore Information Seminar to Canadian Oil Industry operating on Atlantic Seaboard, January 29 and 30, 1969, Bedford Institute, Dartmouth, N. S.

This seminar, held under the auspices of the Director, Atlantic Oceanographic Laboratory, will be by invitation due to the limited capacity of the lecture hall at the Bedford Institute. Its purpose is to outline to industry the capability existing in the area for rendering assistance to the Canadian Oil industry operating on filed acreage along the eastern seaboard of Canada. The program will review the following state of the arts as they exist at the Bedford Institute: hydrography and navigational aids, satellite navigation, ice movement, oceanographic setting, currents and tides, air-sea interaction studies, geophysical and geological summaries of Bedford Institute program, summary of oil and gas acreage, work commitments and regulations to operators, summary of Dominion Observatories geophysical program, summary of Geological Survey of Canada's geophysical program, Nova Scotia Research Foundation's program in geophysics and geology, and Atlantic Provinces University program in geophysics and geology.

Dr. B. R. Pelletier, Co-ordinator,  
Atlantic Oceanographic Laboratory,  
Bedford Institute,  
Dartmouth, N. S.

REPORTS ON RECENT MEETINGSSeminar on the operations of Panarctic Oils Ltd.

This seminar was held in Ottawa, Canada, and was arranged for government officials and Panarctic representatives by the Oil and Mineral Division of the Resource and Economic Development Group of the Canadian Department of Indian Affairs and Northern Development. Consisting of a syndicate of several companies as one partner and the government of Canada as another, Panarctic was formed to explore for petroleum in a large portion of the Sverdrup Basin in the Canadian Arctic Archipelago. The work involves surface mapping, geophysical surveying, and drilling. The seminar presented background material on the forming of Panarctic, the history of geological exploration in the Arctic, drilling problems, transportation and equipment logistics, screening of "Arctic Wildcat" film, and a talk and film on the Alexbow which is an invention by Scott Alexander for breaking ice by means of a plough that lifts and breaks the ice. The program of the meeting was as follows:

Introduction by Dr. H. W. Woodward, Administrator, Oil and Gas Section, Department of Indian Affairs and Northern Development, Ottawa.

Welcome Address by Mr. J. A. MacDonald, Deputy Minister of the Department of IA and ND, Ottawa.

Background Paper on Panarctic Oils Ltd. by Mr. A. D. Hunt, Director of the Resource and Economic Development Group, Department of IA and ND, Ottawa.

Panarctic Oils Operation - 1968 by Mr. J. Andriuk, Exploration Manager, Dome Petroleum Limited, Calgary, Alberta.

Drilling Problems, Transportation and Equipment Logistics by Mr. E. Tovell, Drilling Superintendent, Dome Petroleum Limited, Calgary, Alberta.

Preliminary Planning and Government Liaison by Mr. A. Bryant, Chief Geologist, Panarctic Oils Limited, Calgary, Alberta.

Introduction of Alexbow by Mr. J. Godfrey, Vice President, Land Department, Dome Petroleum, Calgary, Alberta.

Alexbow by Mr. S. E. Alexander, General Manager, Alexbow Limited, Montreal, Quebec.

Alexbow Tests by Commodore Robertson, Manager Marine Operations, Panarctic Ltd.

Arctic Islands Exploration by Mr. S. A. Kanik, Operations Geologist, Resources Management Division, Department of IA and ND, Ottawa.

B. R. PELLETIER

International Geological Congress, Prague, August, 1968.

The 23rd Session of the International Geological Congress in Prague was just getting off to a promising start when the Russian-led invasion of Czechoslovakia, on the morning of 21st August, brought it slowly to a halt.

Despite the Czech's intention to carry on as if the Russians were not there, the attendance at technical sessions grew less and less from Wednesday through to Friday. This was due, in part, to lack of public transport to the university; but also the acceleration of the exodus of geologists and their families as the week wore on. The departure of the majority of speakers no doubt added to the chaos. What had started as perhaps the most promising of all International Geological Congresses was, therefore, sadly and very reluctantly brought to a close after lunch on Friday, 23rd August.

The Atlantic Provinces were well represented at the Congress. W. D. Brueckner and M. M. Anderson of Memorial University, J. C. G. Moore and Laing Ferguson of Mount Allison University, Hugo Greiner and A. L. McAllister of the University of New Brunswick, Q. Siddiqui of St. Mary's University, and J. P. Nowlan, Deputy Minister of Mines for Nova Scotia were in attendance.

L. FERGUSON

Meeting on the Quaternary of Quebec, Chicoutimi, September 5-7, 1968.

The first meeting on the Quaternary of Quebec, organized jointly by the Geomorphology and Quaternary Section of ACFAS (l'Association canadienne - française pour l'avancement des Sciences) and the Department of Natural Resources of Quebec was held September 5-7, 1968 at Chicoutimi, Quebec. Some 40 scientists from Canada and the United States attended. Papers presented were as follows:-

1. Le retrait de la calotte glaciaire de Scheffer: du Témiscamingue au Nouveau-Québec - C. Laverdière, Université de Montréal, Montréal.
2. Some aspects of glacial geology and geomorphology of Southern Quebec - N.R. Gadd, Geological Survey of Canada, Ottawa.
3. Quaternary marine submergence of Quebec - J. A. Elson, McGill University, Montreal.
4. Aspects géomorphologiques du Nouveau-Québec - B. Robitaille, Ministère des Richesses naturelles, Québec.
5. De Geer moraines of Quebec - H. A. Lee, Geological Survey of Canada, Ottawa.
6. Mineral dispersal patterns in the Gulf of St. Lawrence - D. H. Loring, Bedford Institute, Dartmouth.
7. La repopulation post-glaciaire du Québec par les mollusques extra-marins - A. La Rocque, Ohio State University, Columbus.
8. Illustrated check-list of Pleistocene invertebrate fossils of Quebec - F. J. E. Wagner, Bedford Institute, Dartmouth.
9. Quaternary palynology in Quebec: a review and future prospects - J. Terasmae, Geological Survey of Canada, Ottawa.
10. Review and assessment of archaeological studies in Quebec and Labrador - C. A. Martijn, University of Wisconsin, Madison.
11. Permafrost investigations in the Snowy Lake area, Northern Quebec - B. G. Thom, McGill Sub-Arctic Research Laboratory, Schefferville.
12. Ground temperatures in the Schefferville region - C. E. Thorn, McGill Sub-Arctic Research Laboratory, Schefferville.
13. Bibliographie du périglaciaire du Québec et documentation photographique sur les fentes de gel dans le sud-est du Québec - J.-C. Dionne, Ministère des Forêts et du Développement rural, Québec.
14. Le glacier des côtes du Saint-Laurent et bibliographie du glacier - J.-C. Dionne, Ministère des Forêts et du Développement rural, Québec.
15. Aperçu général de la géologie Quaternaire du Lac Saint-Jean - P. Lasalle, Ministère des Richesses naturelles, Québec.

Field excursions, conducted by Pierre Lasalle, were held in the Chicoutimi - Lake St. John area on the 6th and 7th. Glacial, glacio-fluvial, lacustrine and marine deposits were examined.

FRANCES J. E. WAGNER

Symposium on Marine Subbottom Exploration methods, Dartmouth, N.S., October 17-19, 1968.

This symposium was sponsored by the subcommittee on exploration geophysics of the associate committee on geodesy and geophysics, National Research Council of Canada. It was held at the Atlantic Oceanographic Laboratory, Bedford Institute, Dartmouth, Nova Scotia. Participants and delegates came from industry, government and university and included representatives from both Canada and the United States. The symposium reviewed shallow, intermediate and deep methods for exploring subbottom geological and geophysical features, and included papers on seismic reflection and refraction techniques, seismic data processing, coastal magnetism and gravity, and instrumentation for marine geophysical work. A one-day cruise on CSS HUDSON was carried out with demonstrations of commercial equipment as well as that of the Bedford Institute. The program was as follows:

SESSION I - Shallow Methods - Chairman: N. R. Paterson

- L. H. King (Atl. Ocean. Lab.) - Use of acoustical data in the detailed regional mapping of the Scotian Shelf.  
 J. W. Prior (Huntec) - Marine geophysics applied to civil engineering.

D. E. T. Bidgood (N. S. Res. Found.) - Subbottom profiling in Nova Scotian coastal waters.  
 E. P. Meisburger and D. B. Duane (Coastal Eng. Res. Center) - Seismic subbottom exploration for sand resources on the nearshore Continental Shelf.

SESSION II - Intermediate Methods - Chairman: George D. Hobson

G. D. Hobson (G. S. C.) - Marine Seismic sources.  
 P. J. Savage (Can. Mag. Reduction) - Trans Atlantic reflection profile.  
 A. C. Armstrong (Gulf R. & D.) - Marine seismic data processing.  
 L. M. Godfrey (Geoph. Service Inc.) - Marine digital seismic system using air gun source.

SESSION III - Deep Methods - Chairman: J. E. Blanchard

M. Keen (Dalhousie Univ.) - Seismic studies at sea.  
 B. D. Loncarevic (Atl. Ocean. Lab.) - Crustal magnetics and gravity.  
 G. F. West (Univ. of Toronto) - Single ship sonobuoy methods for seismic refraction surveying.  
 P. A. Rona (Hudson Labs. Columbia) - Continental margins off Cape Hatteras.

SESSION IV - General - Chairman: B. D. Loncarevic

R. W. Hutchins (Huntec) - An investigation of underwater sparks as seismic sources for high resolution reflection profiling.  
 A. R. Barringer (Barringer Research) - A new oceanographic magnetometer.  
 R. L. G. Gilbert (Atl. Ocean. Lab.) - Some developments in marine geophysical instrumentation.  
 I. Thomson and J. B. Bremner (Comp. Dev. of Canada) - Navigation methods for offshore exploration.

Closing remarks: Dr. L. W. Morley, Chairman, Subcommittee on Exploration Geophysics.

B. R. PELLETIER

Maritime Universities Geological Societies Conference, Sackville, N. B., November 1-3, 1968.

The annual conference of the Geological Societies of Maritime Universities was held November 1-3rd at Mount Allison University, Sackville, N. B., under the auspices of the Gesner Geological Society.

One hundred and twenty people registered at the conference, and it was a pleasure to note that they came from as far afield as Ricker College, Maine and Memorial University in Newfoundland. In addition to students and faculty from all the participating Universities, there was a fair turnout of geologists from Industry and Government.

The evening of Friday, 1st November, was devoted to Registration and a very successful Smoker. Student papers were delivered throughout Saturday. The after dinner address was given by A. D. Stephenson, Officer-in-Charge of the Regional Laboratory of the Inland Waters Branch of the Department of Energy, Mines and Resources in Moncton, N. B. Mr. Stephenson talked on the "Coriolis Effect".

Sunday was devoted to talks and demonstrations on geophysical prospecting by representatives of the Barringer Research Co. Limited.

L. FERGUSON