

MEETINGS

FORTHCOMING MEETINGS

AA PG - SEPM - Oklahoma - April

Geological Association of Canada, Vancouver, April 22 - 24.

The Geological Association of Canada, the Mineralogical Association of Canada, and the Canadian Institute of Mining and Metallurgy will jointly hold their annual meetings at the Hotel Vancouver from April 22-24 with both pre- and post-convention field trips. Abstracts of the papers to be presented will be published in the CIMM Bulletin. The GAC symposium in the Structure of the Southern Canadian Cordillera will be published later as GAC Special Paper No. 6. Further information can be obtained from:

Dr. A. C. Skerl - G. A. C. Programme Chairman, 1758 Western Parkway, Vancouver 8, B. C.

Dr. K. C. McTaggart - G. A. C. Field Trip Chairman, Dept. of Geology, University of British Columbia, Vancouver 8, B. C.

Dr. J. O. Wheeler - G. A. C. Symposium Chairman, G. S. C., 326 Howe St., Vancouver 1, B. C.

Dr. J. E. Armstrong - C. I. M. M., Geology Division, Vice-Chairman, G. S. C., 326 Howe St., Vancouver 1, B. C.

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

A symposium on the Quaternary of Quebec, organized by the section of Geomorphology and Quaternary of the ACFAS, and the Department of Natural Resources of Quebec, will be held in Chicoutimi, on the 5th, 6th and 7th of September 1968. A field-trip within the Lake Saint-Jean /Saguenay area will be under the direction of Dr. Pierre Lasalle.

Those who expect to present a paper at this meeting must inscribe it in the following sections: 1. Glacial Quaternary; 2. Marine and lacustrine Quaternary; 3. Periglacial; 4. Palaeontology and palynology; 5. Pedology - ecology - climatology; 6. Archaeology. Titles and abstracts must be sent to the Secretary before May 31, 1968. To avoid confusion and to facilitate the planning of the meeting, it will be useful to know, as soon as possible, the intent of the scientists to present a paper and attend the meeting. The Organizing Committee: Jean-Claude Dionne; Benoit Robitaille; Pierre Lasalle and Robert Bergeron.

Send all correspondence to: J. C. Dionne, C. P. 35, Sillery, Quebec.

REPORTS OF MEETINGSAtlantic Universities Geological Conference, Antigonish, Nova Scotia.

This annual conference, organized and carried out by geology students in the universities of the Atlantic provinces, featured field trips and a technical session. Each member university presented a paper on one aspect of the work of their department, or a paper was given by a student on his recent field or laboratory project. The program is summarized below.

1. A program of education in geochemistry, by Marilyn Litz, Bailey Geological Society, University of New Brunswick.
2. Gravity and magnetic measurement at sea and the testing of a VLF (Very Low Frequency) Navigation System, by Donald Stephenson, Gesner Geological Society - Mount Allison University.
3. Mining and milling operation of Gaspé copper, by David Cormier, Faribault Geology Club, St. Francis Xavier University.
4. A general description of exploration for petroleum in Saskatchewan and Alberta, by Driffield Cameron, Fletcher Geology Club, Acadia University.
5. Geology of the Nemeiben Lake - Trade Lake Area, Lac La Ronge region of northern Saskatchewan, with particular emphasis on the economic geology of major mineral occurrences, by Howard Coates, Alexander Murray Geology Club, Memorial University of Newfoundland.

6. Uranium ores of Elliot Lake (Ontario), by Edward Sangster, Mining and Metallurgical Society, Nova Scotia Technical College.
7. Shore platform development, North Auckland, New Zealand, by Murray Gregory, The Dawson Geological Club, Dalhousie University.

Dr. David Benson of the Geological Survey of Canada was guest speaker at the annual banquet and gave a talk entitled: "Geology of the Antigonish Highlands". The field trip this year was to the Windsor Salt company at Pugwash, Nova Scotia. Dr. N. Goodman gave a short talk on evaporites before leading the trip down the mine.

Canadian Centennial Conference on Mining and Groundwater Geophysics, Niagara Falls, Ontario.

This was the first conference of its kind and was an outstanding success. Representatives from 50 countries attended the meeting.

Halifax Geotechnical Group, Halifax, Nova Scotia.

This group has been organized to promote the exchange of information and ideas among soil mechanics and foundation engineers, geologists, geophysicists, structural engineers and architects and those active in other earth sciences or engineering. Two topics have already been discussed: (1) "Recent developments in Pile Foundations" by Dr. G. G. Meyerhof, Dean of Engineering, Nova Scotia Technical College; (2) "The geological history of the Halifax area as it influences the mechanical character and properties of the rocks and surface materials", by Dr. G. C. Milligan, Professor, Department of Geology, Dalhousie University.

Earth Sciences Symposium on Hudson Bay, Ottawa, Canada.

This symposium was sponsored by the National Research Councils' associate committee on geodesy and geophysics, and the National Advisory Committee on research in the geological sciences. This program was under the chairmanship of Peter Hood of the Geological Survey of Canada and co-ordinated by his departmental associates, George Hobson in Ottawa and Bernard Pelletier in Dartmouth, Nova Scotia. Most of the papers were based on two federal oceanographic programs in 1961 and 1965, a seaborne geological-geophysics program by the Atlantic-Richfield company, and an extensive geological mapping and stratigraphic project in 1967, of the Hudson and James Bay Lowlands carried out by officers of the Geological Survey of Canada. Aeromagnetic programs were also carried out by the Atlantic Richfield Company and the Geological Survey of Canada. The technical session of the symposium included studies on raised beaches and glacial rebound around Hudson Bay, submarine physiography, bottom sediments, bedrock geology, the sedimentary column and the crust of the earth down to the Mohorovicic discontinuity. Papers given at the meeting were as follows:

1. Introduction to History of Exploration in Hudson Bay - L. H. Neatby (University of Saskatchewan)
2. Faunal Study, Hudson Bay and Tyrrell Sea - Frances J. E. Wagner (Bedford Institute, Dartmouth, N. S.)
3. The Pattern and Interpretation of Restrained, Postglacial, and Residual Glacial Rebound in the area of Hudson Bay - John T. Andrews (University of Colorado)
4. Quaternary Geology of the Hudson Bay Region - Bruce C. Craig and B. C. McDonald (Geological Survey of Canada)
5. Submarine Physiography and Recent Sediments of Hudson Bay - B. R. Pelletier (Bedford Institute, Dartmouth, N. S.)
6. Some Aspects of the Bedrock Geology of Hudson Bay as interpreted from Continuous Seismic Reflection Profiles - A. C. Grant (Bedford Institute, Dartmouth, N. S.)
7. Hudson Bay Lowland River Systems - L. M. Cumming (Geological Survey of Canada)
8. Palaeozoic and Mesozoic Geology of the Hudson Bay Lowlands - A. W. Norris and B. V. Sanford (Geological Survey of Canada)
9. Precambrian Sedimentary Rocks of the Hudson Bay Lowlands - H. H. Bostock (Geological Survey of Canada)
10. Sogepet/Aquitaine's Kaskattama Province No. 1 Well, Hudson Bay Lowland, Manitoba - Ronald D. Johnson (Consultant, Calgary) and Samuel J. Nelson (University of Calgary)

11. Seismic Refraction Results from the Hudson Bay Region - George D. Hobson (Geological Survey of Canada)
12. Reconnaissance Seismic and Magnetic Surveys in Hudson Bay - J. Hodgkinson (Atlantic Richfield)
13. Gravity Investigations in Hudson Bay - J. R. Weber (Dominion Observatory)
14. Magnetic Surveys in Hudson Bay - Peter Hood, Margaret E. Bower (Geological Survey of Canada) and E. A. Godby (National Aeronautical Establishment)
15. An alternative interpretation of the 1965 Hudson Bay Crustal Seismic Data - A. Overton and George D. Hobson (Geological Survey of Canada)
16. Investigation of the Crust in the Hudson Bay Region - A. S. Ruffman (Dalhousie University, Halifax, N. S.)
17. Curvature Effects on Hudson Bay Seismic Refraction Results - R. F. Mereu (University of Western Ontario)
18. Isostatic Evaluation of Crustal Models under Hudson Bay - D. H. Hall (University of Manitoba)
19. A Two-Layer Model for the Earth's Crust under Hudson Bay - Z. Hajnal (University of Manitoba)
20. Observation of the Hudson Bay Shots at Standard Seismographic Stations - K. G. Barr (Dominion Observatory)

A volume, published by the Geological Survey of Canada, will incorporate these topics.

Northeast Section of the Geological Society of America, Washington, D. C.

The third annual meeting of the Northeast Section of the Geological Society of America was held from February 15-17, 1968 in Washington, D. C. An informal pre-session symposium on Geologic Aspects of Coastal Engineering Research was held at the Coastal Engineering Research Center of the Department of the Army. D. B. Duane and C. J. Galvin led this meeting of approximately 50 geologists. Three papers by Duane, Galvin, and M. O. Hayes (University of Massachusetts) illustrate some research programs active at or through the Center. A tour of the facilities was quite impressive - especially the huge tanks capable of generating waves up to 6 feet high.

On the evening of the 14th, the Geological Society of Washington hosted a very large number of registrants to another symposium at the Cosmos Club. C. L. Drake, Read, R. S. Deitz, and R. H. Dale presented papers on the structure of the Atlantic continental shelf.

The meeting of the Northeast Section consisted of two simultaneous sessions. Besides the usual sections, an interesting series of papers on remote sensing and also financing of earth sciences had been organized. Some papers of specific interest to our area are listed below. Abstracts are available in the programs.

Riva, John: Graptolite faunas from Trenton, Utica, and Lorraine Shales of the St. Lawrence Lowland and Anticosti, Quebec.

Horne, G. S.: Chaotic clastic deposits of Early-Medial Ordovician age in central mobile belt of northeastern Newfoundland.

Rankin, D. W.: An island-arc of Early Devonian age in north-central Maine.

Gerencher, J. J., and Gold, D. P.: The significance of some dike swarms along the north shore of the Gulf of St. Lawrence in eastern Quebec.

Brown, J. D. Jr., and Cronin, J. F.: Multispectral photographic study of red-bed facies, Minas Basin, Nova Scotia.

Bird, J. M.: Evidence of a complete Cambrian section in the Taconic Sequence, Columbia County region, New York.

Zen, E-an: Middle Ordovician gravity slides along "Logan's Line".

Popper, G. H. P.: Tectonic framework of Carboniferous deformation in west-central Newfoundland.

Stanley, D. J.: Color of sediments on the Atlantic continental margin of the United States and southeastern Canada.

Helwig, J.: Stratigraphic development of New Bay area, northernmost Appalachians (Newfoundland)

Laub, M. G., and Klein, G. deV.: Gravel bars in the intertidal zone (Bay of Fundy).

On the evening of February 16 the Smithsonian Institute held a very enjoyable reception and open house in the Museum of Natural History. The Paleontology and Mineralogy Exhibit Halls, the Gem Hall, and the research facilities were open to members of the Section. D. J. Stanley conducted several of us through the facilities of the Division of Sedimentology. The meeting was a great success and is the major convention in our area.