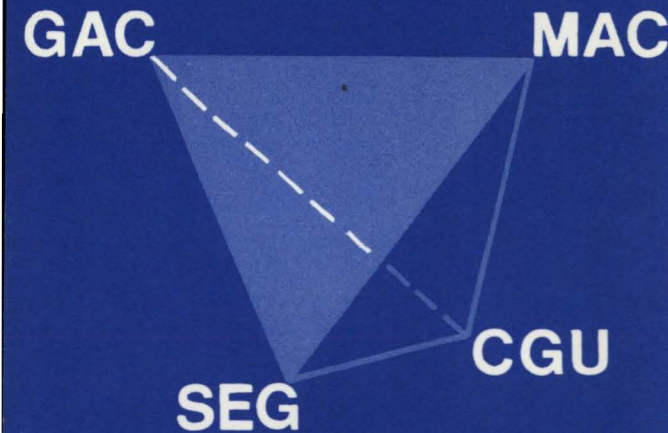


Geological Association of Canada
Mineralogical Association of Canada
Society of Economic Geologists
Canadian Geophysical Union

001615



Annual Meetings

Vancouver, Canada
April 25-27, 1977

Technical Program

Symposia and Special Sessions

Regional Overview of the Northeast Pacific and Margin

Regional analyses of geological, geophysical, geochemical and tectonic data of the northeastern Pacific Ocean basin and western Cordillera.

Thermal Structure and History of the Cordillera

The nature, age, and distribution of thermal events in the Cordillera including regional, geological, and geophysical syntheses, studies of processes of heat generation and transfer, volcanism, high-level plutonism, and hydrothermal systems.

Geothermal Energy

Geothermal energy research and development in the Northern Cordillera with emphasis on geological environments, exploration techniques, regional potential, and utilization.

Structural Geology of the Northern Cordillera

Structural and tectonic features of regional significance in the geological evolution of northwestern British Columbia, southwestern Yukon and southern Alaska.

Possible Large-scale Displacements in the Northern Cordillera

The nature and age of zones in the Northern Cordillera and adjacent Pacific Ocean along which major movements may have occurred.

Resources for the Future

Plate tectonic and other models of mineral resource forecasting, techniques of resource and reserve estimation, world distribution of mineral resources, and future trends in supply and demand.

Research in Sulphide Geochemistry and Mineralogy - Experiment and Application

Laboratory and field studies of sulphide mineralogy and geochemistry and their application to economic geology.

Hydrothermal Systems and Ore Deposition

Field and theoretical studies of water-rock interaction, chemistry and physical environment of ore-forming brines, processes of metal transport and deposition, and the nature of ore-forming hydrothermal systems related to high-level plutons, volcanos, and deep aquifers.

Subgreenschist Metamorphism and Hydrothermal Alteration

Field, theoretical, and experimental studies of diagenesis, alteration, and low grade metamorphism.

Geothermometry and Geobarometry of Mineral Deposits

Field, theoretical, or experimental studies of the physical and chemical environment of deposition and subsequent alteration of mineral deposits.

M.Y. Williams' Symposium: Cordilleran Paleontology

A geographic rationale to Cordilleran paleontology which is widely fragmented in scientific literature.

Pre-Carboniferous Sedimentary Basins of the Cordillera

New data, interpretations, and attempts to relate mineral deposits to basin configuration and basin history.

Stratabound Pb-Zn Deposits of the Cordillera

Setting and distribution of mineralization within the regional and stratigraphic framework, along with concepts and models that relate to migration and emplacement of lead and zinc within the Cordillera.

Volcanic Ore Deposits of the Northern Cordillera

Regional syntheses and details of volcanogenic, massive sulphide deposits in the Cordillera.

Alkalic Magmatism in the Cordillera and Related Ore Deposition

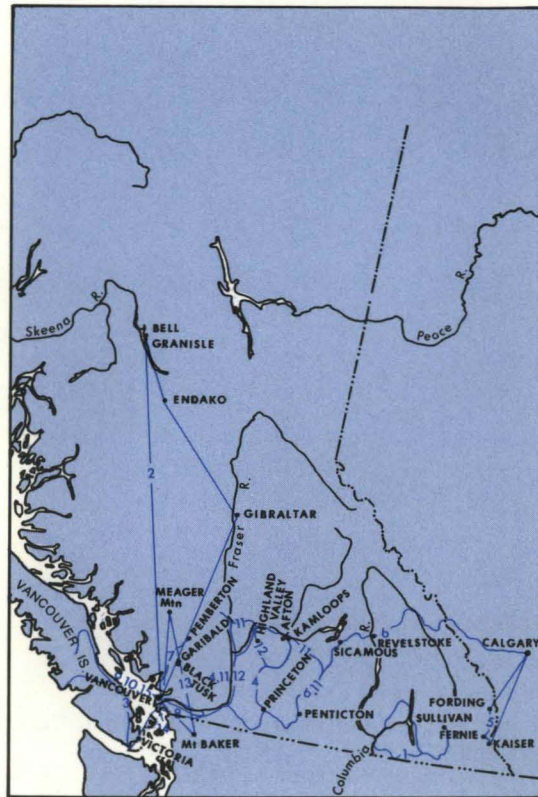
Subvolcanic and volcanic rocks of the Cordillera and associated ore deposits with special attention to the Upper Triassic of the Intermontane Belt.

Seismology and Rock Magnetism Workshops

Presentations and adequate discussions to emphasize current state-of-the-art and validity of available data.

General Sessions

ECONOMIC GEOLOGY, ENVIRONMENTAL AND URBAN GEOLOGY, GEOPHYSICS, MINERALOGY, OCEANOGRAPHY, PETROLOGY, STRUCTURAL GEOLOGY.



Field Trips

1. LEAD-ZINC DEPOSITS OF SOUTHEASTERN BRITISH COLUMBIA: Setting of Kootenay deposits and a visit to the Sullivan Mine (three days before).
2. PORPHYRY COPPER AND MOLYBDENUM DEPOSITS OF NORTH-CENTRAL BRITISH COLUMBIA: Geological setting and details of four open-pit copper-molybdenum mines; Gibraltar (Cu, Mo), Endako (Mo) and Granisle and Bell (Cu) (4 days before).
3. EUGEOSYNCLINAL SEQUENCES OF THE INSULAR BELT, VANCOUVER ISLAND: Paleozoic, Mesozoic, and Tertiary eugeosynclinal cycles and related intrusions (3 days before or 4 days before).

4. NICOLA VOLCANICS, PLUTONS AND MINERAL DEPOSITS: Upper Triassic Nicola Group from Princeton to Kamloops stressing cogenetic volcanic and plutonic rocks and mineral deposits (4 days after).
5. COAL DEPOSITS OF CROWSNEST COALFIELD: Stratigraphy, structure and coal chemistry of Fernie Basin and Elk Valley coalfield; Kaiser Resources and Fording Coal Ltd. (3 days before).
6. SOUTHERN CANADIAN CORDILLERA — CALGARY TO VANCOUVER: Geology of the southern Canadian Cordillera as exposed between Calgary, Sicamous, Penticton, Princeton, Vancouver (5 days before).
7. SOUTHERN END OF THE COAST PLUTONIC COMPLEX: Plutonic rocks, pendants and Recent volcanics of the Coast Mountains - Vancouver to Pemberton (2 days before).
8. QUATERNARY STRATIGRAPHY OF FRASER LOWLAND: Quaternary geology in the Fraser Lowland; Late Wisconsin sediments, particularly glaciomarine and nonglacial sediments (2 days after).
9. VANCOUVER GEOLOGY: Coast Plutonic Complex, septa and onlapping Tertiary and Quaternary (1 day before - April 24).
10. GEOLOGY RELATED TO ENGINEERING ACTIVITIES: Slope stability problems and current engineering projects - Howe Sound and Fraser Valley areas (2 days before).
11. VOLCANIC SUITES OF SOUTHWESTERN BRITISH COLUMBIA: Stratigraphic, structural, petrologic and metamorphic contrasts of Paleozoic, Mesozoic and Tertiary volcanics (4 days after).
12. GUICHON CREEK BATHOLITH AND MINERAL DEPOSITS: Petrology, setting and mineral deposits of Highland Valley (3 days after).
13. VOLCANO FLY BY: Quaternary to Recent Cascade volcanism in southern British Columbia and northern Washington; Mt. Baker, Mt. Garibaldi, Black Tusk and Meager Mtn. from the air (5 to 7 PM 1 day during).
14. FRASER DELTA: Field trip and illustrated lecture about local deltaic environments and the impact of urbanization and industrialization (1 day before).
15. SUBMERSIBLE TECHNOLOGY: Tour of a submersible construction facility and vehicles used in underwater exploration and research; Vancouver, world centre for production of submersibles (5 - 7 PM - 1 day during and 1 day after).

First Circular

Geological Association of Canada
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30th Annual Meeting
 22nd Annual Meeting
 Spring Annual Meeting
 4th Annual Meeting

Call for Papers

Authors are invited to present original papers at the symposia and sessions outlined overleaf. Authors of abstracts accepted by the Technical Program Committee normally will be allowed 15 minutes for presentation and 5 minutes for discussion of their papers. Only 35 mm slides will be acceptable for projection.

Abstracts

Abstracts must be prepared on the GAC-MAC abstract form according to the instructions on the form. Additional information, copies of circulars and abstract forms may be obtained from:

H.C. Morris
 Program Chairman
 P.O. Box 309
 Station 'A',
 Vancouver, B.C. V6C 2M7
 Canada
 (Cominco) Telephone (604) 682-0611
 Telex No. 04-507730

OR:

A.V. Morgan
 Secretary-Treasurer,
 Geological Association of Canada,
 Department of Geology
 University of Waterloo
 Waterloo, Ont.

Abstracts will be accepted for consideration until January 1, 1977. Notification of acceptance or rejection of abstracts will be given by March 1, 1977.

Field Trips

Pre- and post-meeting field trips will investigate aspects of plutonism, volcanism, sedimentation, structure and mineral deposits and their environments in southern British Columbia. Trips range from 1 to 5 days in duration and are described more fully overleaf. Please indicate your interest and choice on the accompanying "Notification of Intent".

Registration:

Please fill in the attached "Notification of Intent" to indicate your interest in the meeting and field trips and your wish to receive further circulars.

Registration forms will be attached to the Second Circular to be mailed in October, 1976.

Venue

The annual general meetings will be held at the Hyatt Regency Hotel, Vancouver, British Columbia.

Non-Technical Program

A variety of social functions and a full program for ladies are scheduled to accompany the meetings.