

Abstract?

Time:

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GEOLOGICAL ASSOCIATION OF CANADA  
CORDILLERAN SECTION

Annual Symposium on

"INTRUSIVE ROCKS AND RELATED MINERALIZATION  
IN THE CANADIAN CORDILLERA"

on 7th and 8th February, 1975

at Bayshore Inn, Vancouver, B.C.

This is the sixth of a series of annual symposia on various facets of Cordilleran geology and economic mineral deposits. Themes for previous years were plate-tectonics, metamorphism, faults and fractures, sedimentary rocks and volcanic rocks. The theme this year is intrusive rocks and related mineralization in the Canadian Cordillera and contiguous parts of the United States, with a brief review of recent thinking on processes responsible for these rocks and associated mineral deposits by way of introduction.

The programme is outlined below. Papers are mainly 15 to 20 minutes in length. Opportunities for questions will be provided at the end of each session.

PROGRAMME

Principles and processes

The setting and origin of intrusive rocks. (P.J. Wyllie, U. of Chicago).

The genesis of silicate melts. (H.J. Greenwood, U. of British Columbia).

Mass transfer and mineral deposits in hydrothermal systems. (T.H. Brown, U. of British Columbia).

Mechanics of emplacement of intrusive rocks \*. (N. Rast, U. of New Brunswick).

Regional Setting

Circum-Pacific plutonic rocks - a review. (P.C. Bateman, U.S.G.S.).

Tectonic setting of intrusive rocks in the Canadian Cordillera. (H. Gabrielse, G.S.C.).

Ultramafic and mafic rocks

Three Alpine ultramafites of British Columbia. (K.C. McTaggart, U. of British Columbia).

Polaris and Axelgold intrusions, Omineca Mountains, British Columbia \*. (T.N. Irvine, Geophys. Lab., Carnegie Inst.).

Setting of the Giant Mascot Ultramafite and Ni-Cu Mineral Deposits. (P.A. Christopher, B.C. Dept. of Mines and J.A. McLeod, U. of British Columbia).

Silicate, oxide and sulphide petrology of the Turnagain River ultramafic complex. (T. Clark, Queen's University).

3:00  
3:20

Ages of plutonic rocks

Plutonism in western U.S. and Alaska - an overview of geochronology and isotopic studies (M.A. Lanphere, U.S.G.S.).

405-425 Age of intrusive rocks and related mineral deposits in the Canadian Cordillera. (N.C. Carter and P.A. Christopher, B.C. Dept. Mines).

Plutonic debris in Cordilleran clastic basins. (G.H. Eisbacher, G.S.C.).

Granitic and alkalic rocks

Insular Belt

Granitic rocks and ore deposits of Vancouver Island.\* (D.J.T. Carson, Noranda Expl., J.E. Muller, G.S.C. and K.E. Northcote, B.C. Dept. Mines).

Intrusive rocks of the Chugach and Saint Elias Mountains, southern Alaska. (T. Hudson, and G. Plafker, U.S.G.S.).

Coast Plutonic Complex

Plutonic rocks and mineral deposits, southern and central Coast Mountains. (G. Woodsworth, G.S.C.).

Eastern margin of Coast Plutonic Complex and adjacent satellite intrusions: tectonic environment, relations and mineralization. (E.W. Grove, B.C. Dept. Mines).

Potassium/argon evidence on timing and metamorphism in the Coast Mountains near Ketchikan, Alaska. (J.G. Smith, U.S.G.S.).

Intermontane Belt and Omineca Crystalline Belt

Relationships of plutonic rocks in the Yukon Crystalline Terrane. (D.J. Tempelman-Kluit, G.S.C.).

Nature and distribution of porphyry-type deposits in the Cordillera. (A.E. Soregaroli and R.V. Kirkham, G.S.C.).

Alkalic rocks of the interior of British Columbia \*. (P.E. Fox, Consultant, Kamloops).

The nature and significance of alkaline intrusive rocks in the Canadian Cordillera. (K.L. Currie, G.S.C.).

Mineral deposits of the pneumatolitic suite (F, Li, Be, Sn, W, Mo). (J.R. Woodcock, Consultant, North Vancouver).

Geochemistry and mineralization of the Mount Thoen pluton, British Columbia. (G. Keevil and R. St.J. Lambert, U. of Alberta).

Guichon batholith \*. (J.M. Allen, Cominco).

The three dimensional structure of batholiths as deduced from gravity data. (C.A. Agar, Consultant, Richmond).

A geochemical reconnaissance of Triassic batholiths. (R.W. Hodder, J.A. Kerswill, H.B. Meade and D. Macintyre, U. of Western Ontario).

Summary and conclusions \*. (D.F. Strong, Memorial U.).

(\* Provisional title)

CORDILLERAN SECTION

THE GEOLOGICAL ASSOCIATION OF CANADA

SYMPOSIUM

**INTRUSIVE ROCKS AND RELATED MINERALIZATION  
IN THE CANADIAN CORDILLERA**

February 7 and 8, 1975 at the Bayshore Inn, Vancouver, B.C.

**THIS ACKNOWLEDGES RECEIPT OF YOUR REGISTRATION  
AND INFORMS YOU OF FURTHER DETAILS OF THE MEETING**

**Registration:**

Delegates may pick up their registration, receipts and programmes with abstracts on either Thursday evening or Friday morning.

**Thursday evening (6th February):** - Discovery Room - 7:30 - 9:00 p.m. (see location of rooms, below). Delegates from the Vancouver area are urged to register at this time to alleviate Friday morning's registration crush. A bar will be available and complimentary ticket provided for persons registering at this time.

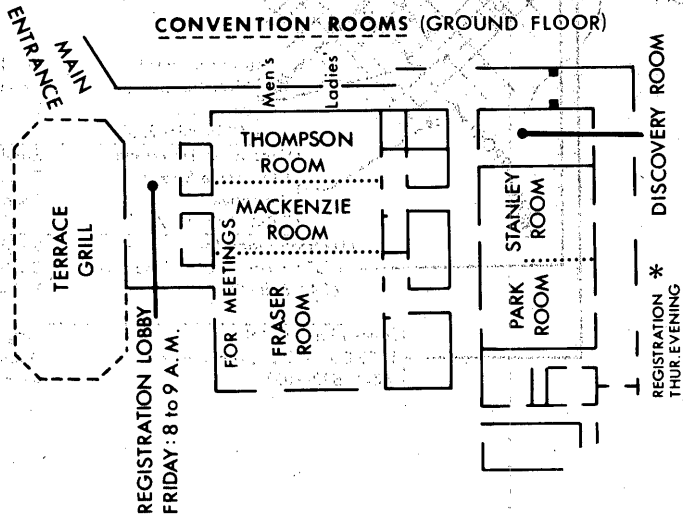
**Friday morning (7th February)** in foyer in front of Thompson and Mackenzie Rooms - registration crush - 8:00 - 9:00 a.m.

**Meetings:**

The formal sessions on Friday and Saturday will be held in the combined Fraser and Mackenzie Rooms. Coffee during these sessions will be served in the Thompson Room and foyer.

**Parking:**

There is normally ample free parking at the Bayshore Inn.

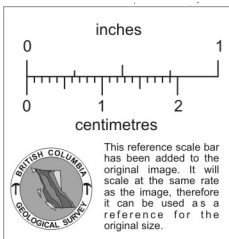


## HOTEL ACCOMMODATION

This list of hotels is supplied for the convenience of out-of-town delegates. Please contact the hotel of your choice directly for reservations. The accompanying sketch shows locations relative to the Bayshore Inn, the Symposium center.

For the Symposium, we have negotiated a special rate with the Bayshore Inn. There is no charge for parking.

<b>Bayshore Inn</b> 1601 W. Georgia St., Vancouver (604) 682-3377	Single \$24.00 - 31.00 Double \$30 - 37.00 Suites start at \$65.00 and up
Has convenient outside parking.	
<b>Georgian Towers Hotel</b> 1450 W. Georgia St., Vancouver (604) 681-4321	Single \$16.00 - 20.00 Double \$20.00 - 24.00 Twin )
<b>Blue Horizon</b> 1225 Robson St., Vancouver (604) 688-1411	Single \$20.00 - 24.00 Double \$24.00 - 28.00 Twin )
<b>Abbotsford Hotel</b> 921 W. Pender St., Vancouver (604) 681-4335	Single \$12.50 - 14.00 Double \$14.00 - 15.50 Twin \$16.50
Note: Please stipulate if room with shower is desired. Parking is slightly inconvenient because it is located about one block away.	
<b>Burrard Motel</b> 1100 Burrard St., Vancouver (604) 681-2331	Single \$15.00 Double \$18.90 - 21.00 Twin )
<b>Vancouver Travelodge</b> 1304 Howe Street, Vancouver (604) 682-2767	Single \$15.00 Double \$19.00 Twin \$23.00
<b>Denman Place Inn</b> 1733 Comox Street, Vancouver (604) 688-7711	Single \$25.00 Double \$29.00 Twin \$22.00 1 person \$26.00 2 persons
<b>Sands Motor Hotel</b> 1755 Davie St., Vancouver (604) 682-1831	Single \$18.50 Double \$22.50 Twin \$26.00



Cordilleran Section

THE GEOLOGICAL ASSOCIATION OF CANADA

100 WEST PENDER STREET  
VANCOUVER 3, B.C.  
CANADA

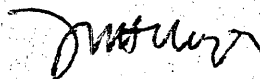
December 13, 1974

Speakers,  
G.A.C.,  
Cordilleran Section Symposium,  
Vancouver, B.C.

February 7 and 8, 1975

This is just an advance warning to let you know what you are in for! The programme is more-or-less finalized and looks pretty good to me. Details on times and lengths of talks, how to get there and so on will follow in January.

PLEASE LET ME HAVE ABSTRACTS BY JANUARY 7, 1975 at the latest, and also let me know if you need equipment other than 35 mm. slides for your talk.



J.W.H. Monger  
Secretary-Treasurer

Refer,

If you can keep this to 15 minutes  
I'd appreciate it ——— André will explain!

Jim M.

"INTRUSIVE ROCKS AND RELATED MINERALIZATION IN THE CANADIAN CORDILLERA"

The annual Cordilleran Section symposium will be held at the Bayshore Inn, Vancouver, on the 7th and 8th of February, 1975. The scientific programme is given below. The meeting gives not only an overview of intrusive rocks and related mineralization in the Canadian Cordillera, but also reviews of some recent thinking on processes responsible for these rocks and associated mineral deposits. Further details can be obtained by writing or phoning:

J.W.H. Monger, Secretary-Treasurer,  
Cordilleran Section, Geological Association of Canada,  
8th Floor, 100 West Pender Street,  
VANCOUVER, B. C. V6B 1R8 Phone (604) 666-6743

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