

Geoscience Canada



Secretary's Report

Christopher R. Barnes

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May 1, 1974

Membership

Membership of the Association as of May 1st, 1974 is:	
Honorary Members and Patron	10
Fellows, including 4 Life Members	1,568
Associates	427
Total	2,005

The geographic distribution of Membership (Fellows and Associates) is:	
Newfoundland	73
Nova Scotia	53
New Brunswick	28
Quebec	193
Ontario	736
Manitoba	49
Saskatchewan	31
Alberta	213
British Columbia	356
North West Territories and Yukon	22
United States	155
Australia - New Zealand	27
South and Central America	8
Africa and Asia	17
Europe	43
Total	2,005

The 272 members elected since May 1, 1973 are as follows:

Fellows:

N. J. Allman	C. P. Gravenor
L. J. Anderton	R. Green
G. L. Andrews	J. Grenier
G. Archambault	P. H. Grimley
R. L. Armstrong	D. H. Hall
J. Azuelos	E. C. Halstead
E. A. Babcock	A. C. Hamilton
R. G. Bagshaw	J. M. Hamilton
N. W. Bliss	I. M. Harris
G. Boggaram	J. E. Harrison
W. G. Botel	M. R. Hegge
I. A. Brookes	J. N. W. Helsen
V. A. Carlson	Y. Heroux
J. L. Caty	C. W. Hickcox
M. A. Carrigy	B. Hitchon
F. W. Chandler	M. Hocq
D. H. Christie	P. Hoffman
J. -J. Coulomb	D. Hohoff
J. D. Cook	K. Howells
P. Cloud	R. D. Hyndman
K. D. Collerson	R. S. James
W. J. Crawford	B. E. Jones
J. R. Deighton	L. M. Jones
G. J. Dickie	N. Kacira
C. W. Drew, Jr.	S. A. Kissin
C. E. Dunn	E. J. Krakiwsky
L. S. Eliuk	C. M. Lalonde
R. M. Ellis	K. B. Larsen
D. S. Evans	M. G. Laub
R. B. Farquharson	P. K. Lee
J. R. Forsythe	D. H. Lennox
E. O. Frind	T. Lewis
Y. Fojiwara	B. E. Lowes
E. H. S. Gaucher	J. A. Mair
R. G. Gifford	D. C. Malcolm
A. K. Goodacre	A. Matheson
D. W. Goodbrand	A. Matulich

A. B. Mawer	F. Saenz de Santa Maria
R. E. McArthur	R. P. Sage
D. R. McCreath	N. Saracoglu
G. D. McKenzie	G. Sassano
R. H. McNutt	W. J. Scott
A. V. Morgan	W. F. Slawson
J. R. Morgan	M. E. Smith
I. F. Morton	R. A. Stacey
J. S. Mothersill	B. G. Stone
S. O. Orajaka	D. F. Stott
R. C. Ostry	D. T. A. Symons
A. T. Ovenshine	M. Tauchid
G. Ozoray	P. G. Telford
Y. -S. Pan	R. I. Thompson
R. C. Parsons	J. F. Touborg
D. E. Pearson	W. B. Travers
G. R. Peatfield	H. Ueno
P. Plicka	P. Vanicek
G. L. Pliva	H. Veerman
M. Posavec	R. I. Walcott
W. S. Price	W. G. Wegenast
S. G. Quirt	G. E. G. Westermann
R. G. Roberts	N. D. S. Westoll
W. J. Roberts	K. Whitham
W. E. Roscoe	G. A. Whiton
D. I. Ross	
N. A. Rukavina	

Associates:

G. R. Alther	J. R. Dawson
H. Ambach	P. L. Dean
K. C. M. Andrews	M. W. Delich
J. R. Atkinson	G. D. Deschamps
J. P. N. Badham	J. L. Douglas
J. -P. Barabe	P. J. Doyle
P. J. Barnett	A. S. Dyke
F. W. Baumann	G. W. Einarson
M. Beaupre	W. D. Ewert
P. J. Bennett	J. S. Falloon
W. -D. Birk	M. M. Fenton
R. F. Blackwood	J. E. Fisher
N. E. Brewster	C. N. Forster
B. E. Broster	P. A. Goetz
E. W. Brown	J. R. Goodwin
P. A. Brown	B. E. Gorman
R. E. Brown	C. L. B. Grant
W. R. Bulmer	D. B. Grant
W. D. Burstow	G. E. Grisak
R. B. Butler	A. E. Guthrie
B. D. Calder	W. S. Hamilton
R. M. Callander	P. J. F. Hannon
T. J. Carew	V. L. Hannon
J. F. Chappell	D. R. Hawke
L. B. Chorlton	M. P. Henrick
D. Chow	S. R. Hicock
M. E. Chute	A. C. Hitchins
J. Clark	A. L. Hodge
B. D. Chapman	G. D. Hodgson
J. Clue	D. B. Hoggan
D. W. Constable	N. W. Holton
G. Cordahi	W. N. Houston
G. S. Cordiner	D. G. Hughes
M. T. Corkery	P. Huzhold
J. R. R. Couillard	W. J. Iams
J. G. E. Cubitt	D. G. Innes
A. D'Aragon	P. E. Isaacson
R. J. Davidson	C. W. Jesseau

A. G. Johnson	N. Rioux
G. W. Jordan	A. B. Ryan
B. F. Kean	T. L. Sadlier-Brown
M. K. Kearney	J. M. Savelle
H. K. Keats	S. Serra
J. N. Keir	D. E. Shaw
G. C. Kimberlie	J. T. Shearer
J. R. Kyle	M. G. Sheppard
P. G. Lalande	K. W. Shewbridge
L. Laliberte-Malo	L. A. Smith
B. P. Laporte	D. I. Speirs
G. R. Lawrence	V. Z. Sterenberg
S. R. Leggett	W. W. Stoeterau
H. Lohse	P. R. Teal
P. Marchand	R. W. Thompson
C. D. Martin	A. Thomas
J. R. Martin	G. R. Thomson
R. Maurice	J. G. Thurlow
G. F. McGrath	R. A. Toth
D. C. McLean	D. L. Trueman
D. H. Morton	C. M. Tucker
I. A. Newman	J. van der Leeden
G. Nolin	D. F. Vandine
G. D. Nordin	B. D. Vasselsue
P. A. Palonen	P. I. Wallace
F. Payette	H. Wallace
M. J. Perkins	D. F. Walsh
J. H. Perry	J. J. Walkins
R. J. Perry	P. Wielezynski
B. N. Peterson	M. A. Wilson
R. K. Phelps	S. W. Wilson
J. M. Plecash	R. F. Winn
I. Poyntz	P. J. Wojdak
F. C. Racicot	E. R. Wozniak
P. L. Reeves	D. B. Wright

Transfer from Associate to Fellow:

R. H. Blunden	R. M. Nickerson
W. R. Cowan	N. D. O'Donnell
R. W. Forester	I. A. Paterson
D. A. Jewett	B. J. Price
J. W. Kramers	J. W. Simpson
R. W. May	F. M. Smith
K. B. McHale	R. D. Thomas
C. C. McLeod	J. G. Wade
R. S. Middleton	D. G. Wasylyk
M. W. Milner	A. Woerasinghe
R. C. Mummary	B. R. Whitehead
I. Munro	P. D. Zakus

An additional 205 applications for membership plus 10 applications for "transfer" are presently being processed by the Secretary's office.

Adjustments in the total membership resulted from the following:

Resigned	16
Deceased	7

Resigned:

E. A. Barbour	J. McCue
P. D. Bugg	P. N. Mehrota
A. D. Carmichael	J. E. S. Milne
C. E. Cleveland	T. Someya
G. Cordahi	R. H. Stebbins
D. W. Lewis	C. J. Sullivan
B. Lukajic	A. Volborth
R. L. L. Manz	P. P. Yale

It is with regret that the death of the following members must be recorded: J. W. Ambrose, J. W. McBean, J. F. Caley, J. C. B. Rogers, J. L. Haugh, R. Willis. Willis Ambrose was the first President of the Association, and Jack McBean and J. C. B. Rogers were also Charter members. Their obituaries have recently been published in *Geolog*.

The following 49 members were suspended:

Suspended (Fellows):

J. P. Bassagett	J. L. Mansy
C. A. Cunningham	G. Mongeau
L. Guilloux	D. B. Mosher
R. Junod	K. E. Phillips
J. M. Lamothe	S. B. Reamsbottom
M. R. Larnder	J. M. Shearer
K. M. Leong	W. J. M. Stephen
J. R. Lusher	J. E. E. Stockwell

Suspended (Associates):

R. A. Buckley	F. R. Harris
C. C. J. Burton	A. F. N. Jepsen
A. W. Byrne	G. R. Kent
E. F. Coste	R. J. M. Miller
P. R. Cote	D. J. McDougall
R. A. Crouse	D. H. Nicholson
J. J. E. Dagenais	O. S. Perry
C. A. Devine	J. A. Pounder
W. R. Dickinson	P. C. M. Roberts
A. L. Fournier	E. G. Robinson
G. D. Furse	E. A. Schiller
J. A. Gilliland	R. C. Schmidt
P. H. J. Graud	K. Sethuraman
O. G. Grieve	O. G. Whishaw
G. R. Hall	D. R. E. Whitmore
G. B. Hambley	

Logan Medal

The Logan Medal was awarded in 1973 to Dr. C. H. Stockwell for his outstanding contributions to the Earth Sciences. In presenting the award at the Annual Luncheon, President Ward Neale reviewed the many contributions of Cliff Stockwell in Precambrian geology and his own associations with him at the Geological Survey of Canada.

Finances

An audited financial statement to the end of 1973 has been recently mailed to all members. A small surplus of \$2,013.49 was reported which was, in part, generated by a modest surplus from the 1973 Annual Meeting and the sale of the G.A.C. Library for \$7,376.40 to Appalachian State University. Many members have lately become delinquent in their dues payments and many were suspended producing an anomalously large expense item as bad debt. Some of these outstanding dues may be recovered when suspended members reapply for membership.

Committee Activities

The business of the Association was conducted through four Council Meetings on May 26th, 1973 (Saskatoon), October 27th, 1973 (Kingston), March 8th, 1974 (Quebec), and May 19, 1974 (St. John's). The activities of the standing committees and special committees are summarized below:

The Finance Committee, chaired by Paul M. Kavanagh, has recently continued attempts to gain more corporate members notably among the petroleum industry. Corporate membership presently stands at 89.

Jon Scoates in chairing the *Programme Committee* is preparing a handbook concerning annual meeting organization. Council also approved the sites of Quebec City and Halifax for the 1979 and 1980 annual meetings respectively.

The Editorial Committee has formulated new guidelines for Special Papers. These have been applied to Special Paper 13, "Cretaceous System of the Western Interior of North America", which will be published in late summer 1974, and will be used in future volumes. J. D. Aitken and D. J. Glass acted as editors for the joint special volume, "Geology of the Canadian Arctic", of G.A.C. and the Canadian Society of Petroleum Geologists. This volume appeared in March 1974 and represents the proceedings of a symposium held at the 1973 Annual Meeting in Saskatoon.

Working with the above committee, Gerard Middleton conceived the format of *Geoscience Canada* – a new magazine incorporating the Proceedings. It is to be an open forum for comment on all aspects of the earth sciences in Canada with a combination of articles, conference reports, book reviews, and letters. Contributing to its production have been Chris Barnes as Layout Editor and Ward Chesworth as Advertising Manager. Maureen Dickson is employed on a half-time basis to assist Gerard Middleton

with editorial duties involving *Geoscience Canada*. Similarly, Lexi Clague has assisted Bill Hutchison in producing *Geolog* and will act as editor of the publication for the last eight months of 1974 since Hutchison has assumed new duties in Ottawa. It is hoped that a new editor will emerge to produce *Geolog* on a quarterly basis through 1975, perhaps alternating with issues of *Geoscience Canada*.

The untimely death recently of Willis Ambrose as Editor of the *Canadian Journal of Earth Sciences* necessitated an input by the Association in the selection of a new Editor. Effective September 1974, the Past-President, Ward Neale, will assume this appointment.

The Membership Committee worked harder than ever under Jerry Remick in reviewing about 325 applications in the past year. It is clear from the background of many new members that the creation of new divisions and sections has encouraged this rapid membership growth. The computerization of membership data ran into some initial problems and delays but is hoped to be completed this summer. The Association has recently produced a new bilingual membership application form and is currently preparing a bilingual issue of the Constitution and By-laws booklet. From the membership figures presented above, I am pleased to note that membership in the Association has now surpassed 2,000 with Dr. R. A. Green, Edmonton, being elected the 2,000th member.

The activities of the Education Committee with Jack Usher as chairman, have concentrated on data gathering at the provincial level. This information is also being used by the Canadian Geoscience Council.

The Projects Committee, Mike Keen (Chairman), has largely been concerned with the establishment of new sections and divisions. Ensuring an orderly growth of these will continue to occupy the committee in the coming year. A Volcanology Division has been approved after much initial organizational work by W. R. A. Baragar. Both the Edmonton Geological Society and the Atlantic Geoscience Society have chosen to become a Section and an Associated Society respectively of G.A.C. The Canadian Geophysical Union, a joint division of G.A.C. and the Canadian Association of Physicists was formally established during the past year under the chairmanship of J. Tuzo Wilson.

Other Business

All previously established Divisions and Sections have organized active programmes during the past year, the details of which have been documented in *Geolog*. Of particular note was the February 1974 meeting of the Cordilleran Section (Symposium on Volcanic Geology and Mineral Deposits of the Canadian Cordilleran) that was attended by more than 700 registrants. The same section produced a *Guidebook to Vancouver Geology*, written by G. H. Eisbacher, which we hope will be the first of many such popular guides to key geologic areas in Canada.

Many of the past-presidents of the Association generously contributed funds to allow the preparation of a die for the Past-Presidents medal. This new medal, cast in silver, will be awarded for an outstanding work or project in earth sciences. It is expected that it will commonly be awarded to younger active scientists and the initial award will be made at the 1974 Annual Meeting. After requesting medal designs from the membership, Council finally selected one prepared by Peter I. Russell, University of Waterloo. Ward Neale formulated the terms of reference for this award.

Council has been considering the implications of Volume III of the Lamontagne Report dealing with science policy in Canada. Hutchison prepared a brief that was considered by the Canadian Geoscience Council. The reaction of the scientific community to the report have also been considered at a special SCITEC meeting organized in May 1974 by Ward Neale.

Norah Allman and the Status of Women Committee are currently compiling data on women geologists in Canada. They will attempt to deduce the role and opportunities of women geologists and perhaps the reason why less than one percent of Canadian geologists are female.

At the 1973 National Science Fair held at Thunder Bay, the G.A.C. judges, C. R. Kustra and W. H. McIlwaine, selected a crystallography exhibit by C. J. Virtue of North Bay for an award.

Publications

In the past year, publications of the Association have continued to be in demand, especially Special Paper 11, "Variations in Tectonic Styles in Canada". Only one Special Paper (Special Paper 12, "Huronian Stratigraphy and Sedimentation") was published during the past year. But in addition, the joint volume with the Canadian Society of Petroleum Geologists on Canadian Arctic Geology appeared in March. It is hoped that *Geoscience Canada* will receive many subscriptions to the point where these cover most of the publication costs.

The sales of publications from May 1st, 1973 to April 30th, 1974 and the stocks on hand are as follows:

	Copies Sold	Copies on Hand
<i>Proceedings</i>		
Vol. 11	—	66
Vol. 12	3	6
Vol. 13	5	10
Vol. 16	6	30
Vol. 19	8	50
Vol. 21	195	237
Vol. 22	104	202
Vol. 23	—	201
Vol. 24, I	7	101
Vol. 24, II	—	49
Vol. 25	24	555
<i>Special Papers</i>		
# 1	47	61
# 5	82	114
# 7	21	0
# 8	106	2,156
# 9	53	302
#10	87	284
#11	1,051	909
#12	382	1,792
<i>Maps</i>	24	363
<i>Geoscience Canada</i>	518	520

Miscellaneous

- G.A.C. Guidebook, 20th Annual Meeting, Kingston 1967
- G.A.C. Guidebook, 23rd Annual Meeting, Winnipeg 1970
- Information Circular 1, "Legal Status of Geologists in Canada".

Respectfully submitted,

Christopher R. Barnes

Secretary-Treasurer

The Geological Association of Canada

Department of Earth Sciences

University of Waterloo

Waterloo, Ontario N2L 3G1

**List of members attending the
Business Meeting held at
Memorial University of Newfoundland,
St. John's, Newfoundland,
Monday, May 20, 1974**

Norah J. Allman	George E. Lammers
A. J. Baer	B. D. Loncarevic
W. R. A. Baragar	R. W. Macqueen
Richard T. Beil	W. H. Mathews
N. Blagona	W. H. McIlwaine
R. A. Burwash	G. V. Middleton
Jean Y. Chagnon	Louis Moyd
Ward Chesworth	R. C. Mummery
John R. DeGrace	I. Munro
Duncan Derry	Ward Neale
R. N. Farvolden	Neil D. O'Donnell
J. Fleming	W. A. Padgham
Alan Goodwin	S. J. Pedley
Wm. C. Gussow	H. R. Peters
S. R. L. Harding	W. H. Poole
Peter W. Hay	A. A. Ruitenberg
H. Hofmann	J. C. Smith
C. A. L. Hogg	D. W. Strangway
R. D. Hutchinson	Louise Stevenson
W. W. Hutchison	P. H. von Bitter
Paul M. Kavanagh	J. O. Wheeler
M. J. Keen	C. G. Winder
M. J. Kennedy	Hugh
J. Lajoie	Wynne-Edwards
R. Y. Lamarche	

Total number of members attending the Meeting	49
Total number of members represented by proxy	634
	683

Cordilleran Section – President's Report

The Cordilleran Section of the G.A.C. has completed another active and stimulating year. In February its symposium "Volcanism and Related Mineralization in the Canadian Cordillera" drew more than 700 geologists and its evening talk series several times drew over 200. In both the symposium and the evening talks, the willing involvement of many delegates from the Geological Survey of Canada, B.C. Department of Mines, the University of British Columbia, and industry did much toward developing programmes with a wide appeal.

The strong support of the evening talks followed the adoption of "porphyry copper (molybdenum) deposits" as a continuing theme for five of the sessions. R. W. Hodder, University of Western Ontario; S. R. Titley, University of Arizona; J. D. Lowell, Tucson, Arizona, and C. Meyers, University of California, Berkeley filled in for four of the evening talks while in a wrap-up session a panel of "local experts" (A. Sutherland-Brown, W. MacMillan and N. Carter, all of the B.C. Department of Mines; A. Soregaroli, University of British Columbia, and T. Macauley, Newmont) discussed the B.C. porphyries.

The response to all the programmes was gratifying but it was found questioning and debate decreased as attendance climbed and one of the challenges passed on to the incoming executives is for them to find a format which will restore more of the free exchange that should be part of these sessions. In the past year there was also a strong realization in the west that geologists have to start telling the public about geology and the work geologists do. As a beginning the Cordilleran Section issued a guidebook "Vancouver Geology". Geri Eisbacher of the Geological Survey prepared the guide and presented the geology of the city in terms the public could understand. The guide has had little publicity but sales have been brisk and it has received warm acceptance from the high schools and colleges in the area. As a result the Section now has two other guidebooks in preparation.

The immediate future of the Cordilleran Section looks bright and another active year is being planned. Its activities are broadening but are still primarily concerned with providing a common meeting ground for the large, active geological community in British Columbia.

S. J. Pedley