

# Secretary's Report

May 1976

## Membership

Membership of the Association as of May 15, 1976 is:

Honorary Members and Patron	8
Life Members	4
Retired Members	48
Fellows	1,679
Associates	750
	2,489
Corporate Members	89
	2,578

The geographic distribution of Membership (Fellows, Associates & Corporates) is:

Newfoundland	88
Nova Scotia	86
New Brunswick	43
Quebec	254
Ontario	969
Manitoba	66
Saskatchewan	49
Alberta	282
British Columbia	395
NWT and Yukon	32
Prince Edward Island	3
United States	180
Australia-New Zealand	26
South and Central America	14
Africa and Asia	37
Europe	54
Total	2,578

The 170 members elected since May 14, 1975 are as follows:

### Fellows:

Aqib, S. M.	Grieve, R. A. F.
Anderson, G.	Griffith, J. W. D.
Bachinski, S. W.	Gupta, V. K.
Bartlett, D.	Hadley, D. G.
Bernoulli, D.	Hafiz-Zadeh, A. U. R.
Berry, M. J.	Harrison, R. S.
Bidwell, G. E.	Heslop, J. B.
Briggs, D. N.	Hoffman, D. W.
Bower, D. R.	Honsberger, J. C.
Camfield, P. A.	Hope-Simpson, D.
Chatterton, B. D. E.	Horsky, S. J.
Christie, J. S.	Howe, A. C. A.
Coburn, G. E.	Hunter, H. W.
Collins, J. A.	Jackson, A. W.
Colvine, A. C.	Jenness, S. E.
Cooper, G. E.	Johnson, R. D.
Cooper, M. A.	Jolly, W. T.
Crosby, R. M.	Keppie, J. D.
Cross, H. J.	Kouba, J.
Currie, K. L.	La Prairie, L. F.
Daae, D.	Loveridge, W. D.
Dawson, K. M.	MacGregor, D. D.
Day, M. J.	Mann, R. F.
Duba, D.	Marr, J. M.
Falconer, R. K. H.	McCann, S. B.
Fink, R. P.	McGammon, B. W.
Fitzgerald-Moore, P.	Murrell, M. R.
Ford, D. C.	Narain, M.
Fox, J.	Ozbey, H. R.
Free, B.	Perry, D. G.
Greenhouse, J. P.	Pilon, J. A.
Griep, J. L.	Pinch, M. C.

Ritchie, P. M. H.  
Rodgers, T.  
Rove, L. C.  
Russell, R. D.  
Schwartz, F. W.  
Smith, D. P.  
Sundby, B.

### Associates:

Aaquist, B. E.  
Allan, D. K.  
Baldwin, L. A.  
Bell, I.  
Boal, J. D.  
Bonnell, R. B.  
Breveton, W. E.  
Bruce, I. G.  
Buck, P. S.  
Burrowes, O. G.  
Bylo, R.  
Calder, M. S.  
Chauvin, L.  
Chaykowski, A. S.  
Chu, G. R.  
Clague, A. V. C.  
Conley, G. K.  
Colasandro, M.  
Coll, R. I.  
Cooper, M. F. J.  
David, M.  
Davidson, A. J.  
Dingee, C. K.  
Downing, B. W.  
Earle, S. A. M.  
Edwards, G. R.  
Erdmer, P.  
Garland, M. I.  
Gauthier, F. J.  
Ghorashizadeh, M.  
Hancock, J. S.  
Hardy, J. L.  
Hargreaves, R.  
Harrigan, D. A. B.  
Hawkins, G. J.  
Helbig, H.  
Hillary, E.  
Jackman, D. W.  
Jean, R.  
Jeffery, B. D.  
Jeletzky, O. L.  
Kyba, B. W.  
Lalande, M.  
Lane, L. S.

Taylor, P. H.  
Terrill, J. W.  
Thomas, M. D.  
Thompson, E. G.  
Tiffin, D. L.  
Valliant, H. D.  
Von Hessert, C. H.  
Wallick, E. I.  
Wilton, C. K.

Lapointe, P.  
La Tour, T.  
Lulman, P. S. M.  
Leclerc, A.  
Lee, D. G.  
Lipton, G.  
Lustig, G. N.  
MacIntyre, D. G.  
Markl, W.  
McClymont, B. I.  
McLellan, C. D.  
Mostaghel, M. A.  
O'Brien, L. J.  
Olson, J. B.  
Patten, B. W.  
Payne, C. W.  
Pelletier, J. W.  
Pike, M. D.  
Pimm, D. J.  
Plunket, H. L.  
Posehn, G. A.  
Poulin, M.  
Price, M. J.  
Putman, P. E.  
Riglin, L. D.  
Ross, D. A.  
Ruffman, A.  
Sabatin, R. B.  
St. Onge, M.  
Scott, D. B.  
Schoch, P. G.  
Simon, R. S.  
Schreiner, B. T.  
Smith, P. K.  
Stephenson, R. A.  
Stricker, S. J.  
Taylor, M.  
Teal, S. E.  
Thomas, R. N.  
Thomson, I. C.  
Tsang, L. H. C.  
Waychison, M. M. H.  
Whiteway, P. B.  
Winfield, W. D. B.  
Young, F. W.  
Young, I. F.

**Transfer from Associate to Fellow:**

Gidluck, M. J.  
 Leong, K. M.  
 Miduszczyńska, B. M.  
 Siemiatkowska, K. M.  
 Wilkinson, W. J.

An additional 159 applications for membership plus 8 applications for transfer are presently being processed by the Secretary's office.

Adjustments in the total membership resulted from the following:

Resigned .....	31
Deceased .....	8

**Resigned**

Baskin, L.	Downing, J. A.
Bilodeau, M. L.	Hemphill, C. R.
Black, N. H.	Hohoff, D.
Boggaram, G.	Knight, R. J.
Boydén, E. D.	Kun, P.
Brandon, L. V.	Malachowski, U.
Byers, D.	Manchuk, B.
Cameron, E. N.	Magathan, E.
Campbell, N.	McLellan, C. D.
Chapman, B. D.	McRitchie, W. D.
Cordahi, G.	Mutch, A. D.
Cormie, J. M.	Prince, G.
Cottingham, C. T.	Rucklidge, J. C.
Cubitt, J. G. E.	Stevenson, I. M.
Dennis, J. G.	Schultze-Westrum, H. H. Smith, J. W. J.

**It is with regret that the death of the following members must be recorded:****Deceased:**

Cunningham, R. C.	Kay, M.
Haite, T. B.	Nelson, F. M.
Hopkins, P. E.	Ney, C. S.
Hutchinson, A. P.	Webb, J. B.

**The following members were suspended for non-payment of dues:****Fellows:**

Andrew, J. T. G.	Imreh, L.
Asbury, W. N.	Loken, O. H.
Best, R. V.	Martignole, J.
Buchholz, J.	Murthy, T. N. N.
Chiang, D. M.	Neilson, J. M.
Chisholm, E. O.	O'Connor, R. H.
Drapeau, G.	Pelletier, B. R.
Fitzpatrick, M. M.	Ray, A. S.
Grenier, J.	Wright, J. D.

**Associates:**

Bennett, P. J.	Malpas, J. G.
Blais-Leroux, L.	McCann, A.
Copeland, D. J.	Pearse, A. D.
Daco, A. C.	Peeling, G. R.
Decou, R. H.	Penny, R.
Hautala, P. O.	Russell, N.
Hubert, J. M.	Ryan, B. D.
Ionson, G. F.	Skinner, R. G.
Keir, J. N.	Sylla, N.
Kruzick, J. H.	Tower, J. J.
Littlejohn, A. L.	Wiese, W. Wilmot, C. R.

**Logan Medal**

The 1975 Logan Medal was awarded to Dr. Edward Irving of the Earth Physics Branch of the Department of Energy Mines and Resources. Dr. Irving's accomplishments were outlined in the citation ready by M. J. Keen (President) at the Association's Annual luncheon. Dr. Irving has worked throughout his scientific career on the study of the magnetic properties of rocks and their application to major geological problems. His work on the calculation of pole positions and paleolatitudes has been instrumental in the re-estimation of the credibility of continental drift. Dr. Irving has also been responsible for a book on Paleomagnetism and Application to Geological and Geophysical Problems, has worked on the magnetic properties of igneous rocks from the mid-Atlantic ridge, has analysed Precambrian rocks in the hope of elucidating some of the problems of very early plate movements and has tried to establish a Mesozoic reversal time scale.

**Past-Presidents Medal**

W. W. Hutchinson (Past-President) awarded the Past-President's Medal to Dr. Roger G. Walker of McMaster University. Dr. Walker's accomplishments lie principally in the field of the interpretation of sedimentary structures ranging from the hydrodynamic interpretation of individual ripples to unraveling the evolution of whole sedimentary basins. Dr. Hutchinson mentioned that in addition to the fundamental original research carried out by Dr. Walker he has been responsible for a number of authoritative reviews which are quite philosophic in nature. The citation also drew attention to Dr. Walker's teaching accomplishments, and his ability to be able to inspire younger workers in his field.

**Finances**

The audited financial statement for the year ending December 31, 1975 was circulated to all Fellows in April. The Association incurred an operating deficit of \$13,894. compared to a deficit of \$5,751. in 1974. The income of the Association actually increased between 1974 and 1975 by \$5,000.; however, this was more than offset by a major increase in expenses. The largest individual deficit item was that of the publication of Special Papers. A deficit of \$5,078. was incurred by Special Paper #13 due to a drastic upward revision of printing costs. General printing and handling costs for other Geological Association of Canada publications resulted in a \$4,372. increase for Geoscience Canada, an increase of \$4,333. for other printing and stationery and an increase of \$1,659. for the Canadian Journal of Earth Sciences. Other increases which contributed to the deficit were the rising costs of stenographic services (up by \$2,318.) and a decrease in Corporate Membership which resulted in the dues revenues being reduced by \$1,500.

On the positive side, the dues received from increased membership amounted to an additional \$2,640., the sale of publications increased markedly - by some \$6,468., and some considerable cost savings were made in the publication of Geolog. In the Secretary's Report for 1974, C. R. Barnes mentioned that an attempt was to be made to reduce publication costs by limiting the scope of Geolog. This was affected by changing the printer, and by reducing the number of issues of Geolog. The demise of one issue of Geolog due to a series of unfortunate circumstances, not the least of which was the lengthy mail strike, resulted in a "saving" of \$8,095. over the 1974 publication cost for the newsletter. The amount of bad debt was also reduced by about 20%. In spite of these savings at the year end the surplus had fallen from \$47,478. in 1974 to \$33,584. in 1975.

As was predicted in the report of the Annual Business Meeting held at Waterloo, rapidly escalating publication costs did result in the decision by Council to increase the annual dues. Undoubtedly the size of this increase may have shocked many of the members, but the Council felt that it was better to react with a large incremental increase than subject the membership to a series of annoying minor increases in each of the forthcoming years. In early May 1976, the Association received notification from NRC that the costs of the Canadian Journal of Earth Sciences will be increased by 50% in 1977. If this increase stands it will result in increased costs of almost \$9,000 to the Association. With these costs in mind, together with the balance sheet of the Association, I hope that the membership realizes that Council's decision not only was justified, but was necessary. Council is constantly trying to find ways of keeping down costs in an inflating economy.

**Committee Activities**

The business of the Association was conducted through four meetings of Council; on May 17th, 1975 (Waterloo), October 2, 1975 (Toronto), February 4, 1976 (Edmonton), and May 18, 1976 (Edmonton). The activities of the standing committees and special committees are summarized as follows:

The Finance Committee, chaired by Stan Pedley, reviewed the financial position of the Association throughout the year with particular emphasis on keeping the Association solvent during this inflationary period. The principal concern was that of printing costs; the cost to each member for the Canadian Journal of Earth Sciences; Geoscience Canada and Geolog is now approximately \$25. Council discussed various alternatives and arrived at the conclusion that in the best interest of the Geosciences all three publications should be supported. Following this it became imperative that the membership fees be increased as discussed earlier.

The *Membership Committee* comprising J. H. Remick (Chairman), A. T. Avison, D. H. James, G. C. Milligan and C. R. Stelck reviewed some 337 membership forms during the year. Of these, 170 members were elected with 8 transfers, and the remaining application forms are currently being processed. Proportionately more Fellows were elected to membership in the year 1975-76 than in the preceding year. The Headquarters staff will be computerizing the *prepaid applicants list* in the hope that this may eliminate some of the clerical errors which have resulted in a few of the members not receiving some of the Association's publications. The Association is currently preparing a bilingual issue of the Constitution Bylaws Booklet and will be publishing an updated membership booklet this fall.

The Membership Committee has recommended to Council, and Council has accepted, that there should be no change in the membership procedure.

The *Program Committee*, comprising R. W. Macqueen (Chairman), M. J. Kennedy, C. R. Barnes, H. A. K. Charlesworth, D. F. Hollister and P. Avis (MAC Representative) organized GAC's first lecture tour, by Paul Hoffman, winner of the first GAC Past Presidents' Medal. During November 1975, Paul spoke on the subject, "Proterozoic Volcanism at Great Bear Lake, N.W.T." to all GAC Sections (St. John's, Winnipeg, Edmonton, Vancouver) and the Atlantic Geoscience Centre (Halifax). His talk was outstanding. We are continuing the lecture tour series with Roger Walker, second winner of the Past President's Medal, slated for the fall of 1976. The Committee devised a standard abstract form used successfully for the Edmonton Meeting; a revised and completely bilingual version will be used for the forthcoming Vancouver Meeting in 1977. A program manual designed to ease the burden of Annual Meeting Committees was completed by the Committee and is now in use. Commencing with the Edmonton Meeting, the Program with Abstracts Booklet shall appear as a numbered series commencing with Volume #1, in an 8½ x 11 inch format.

The *Editorial Committee* under the guidance of W. G. E. Caldwell met three times during the 1975-76 session; in Waterloo, May 1975; Toronto, October 1975; and in Edmonton, February 1976. Except for the Edmonton meeting, attendance was high. In the early Fall of 1975, Special Paper #13, "The Cretaceous System in the Western Interior of North America" edited by W. G. E. Caldwell was published and distributed. The volume has been well received and sales are continuing at a brisk pace. Special Paper #14, "Metallogeny and Plate Tectonics", edited by D. F. Strong, is in page proof and will be published very shortly. At least three other special papers will go to press this year and

should be on sale by mid-winter; these are "Conodont Palaeoecology", edited by C. R. Barnes, "Volcanic Regimes in Canada", edited by W. R. A. Barager, L. C. Coleman and J. M. Hall, and "Siluro-Devonian Fossils" by E. C. Lenz, D. E. Jackson and A. E. H. Pedder. Four issues of Geoscience Canada edited by G. V. Middleton, have appeared to date in the 1975-76 year; these are Volume 2, #3 & 4 and Volume 3, #1 and 2. The high standard of the Journal has been maintained, perhaps even improved upon; circulation has been widened; and revenue from advertizing has been increased markedly. The excellent work of the editor and the Association's advertizing manager in promoting sales of Geoscience Canada is deserving of special note.

Geolog, under the editorship of Lexi Clague, has had its misfortunes in 1975-76. The summer issue for 1975, containing much information on the highly successful Annual Meeting at Waterloo, was lost in the mail between Vancouver and Montreal, and attempts to trace it from both cities were unsuccessful. The summer number had to be re-constructed so far as possible, updated, and combined with the fall number as volume 4, parts 2 & 3. Distribution was then delayed by the six week postal strike late in 1975. The Editorial Committee, together with the editor, has given high priority to getting Geolog on an even keel again and trust that from now on members will receive the newsletter in 4, regular quarterly issues. Regretably Lexi Clague has resigned as editor owing to pressures generated by her new full-time position in the University of British Columbia. G. L. Williams of the Bedford Institute of Oceanography has agreed to assume the position of editor as of May, 1976, and he will be responsible for bringing out the issue containing an account of the Annual Meeting in Edmonton. G. H. Eisbacher has resigned from his position as editor of the Guidebook Series, and the Editorial Committee currently is seeking a replacement. The only Guidebook to be published in 1975-76 is that on the Garibaldi Lake District, written by W. H. Mathews of the University of British Columbia and published by the Vancouver Section of the Association.

The *Projects Committee* under the Chairmanship of M. J. Kennedy has had a comparatively quiet year since it has not been asked to perform any specific tasks by Council. The 1975-76 year has seen the formation of the Precambrian Stratigraphy Division and approval of its constitution by Council. This Division held its inaugural meeting in Edmonton in May and organized a symposium in Precambrian Stratigraphy at the meeting. This new division has already addressed itself to several problems of Precambrian Stratigraphy in Canada and we wish it every success in the future. The new Structural Geology and Tectonics Division

also sponsored a symposium on quantitative methods and structural geology at the Edmonton Meeting. The Paleontology Division also held its inaugural business meeting in Edmonton. No other new sections or divisions appear to be imminent at present. The Committee also reviewed a group insurance package from Montreal Life Insurance Company which had been proposed to the Association, but following consideration by Council, no further action was requested. A second group insurance scheme by the Association's Insurance agent, North American Life, is currently under consideration by Council.

consisting of Barbara M. Mioduszewska (Chairman), Norah J. Allman, Diane J. Gregory, F. F. Langford and Judith B. Moody met on a number of occasions throughout the year. The Committee represents the largest group of women geoscientists in Canada. This year they have been attempting to give positive publicity to these women. One of the major steps in this direction was the publication of GAC Information Circular No. 2, May, 1976, on the Status on Women Geoscientists in Canada. The recommendations contained in the report were endorsed by the GAC Council. The Federal Government provided the funds (in the form of a \$1,400 grant from Marc Lalonde) to publish and distribute the circular. It will be available to all those who responded to the questionnaire, as well as universities, mining companies, and interested individuals. The Committee is also concerned with problems which may arise for women working as geoscientists. In the past year they have been contacted a number of times by those seeking help or advice. In the future they hope to be available to all those needing information on the role of women in Canada's geology-related industries.

The *Education Committee*, chaired by J. L. Rau, is in the end phases of compiling an information circular on sources of free and inexpensive materials for the Earth Sciences in Canada. At the 1975 National Science Fair held in Jonquiere, P.Q. Robert Bergeron and Denis Roy acted as GAC judges and awards were made to Sylvain Desbiens for a project entitled "Ordoviciens Cephalopodes du Saguenay"; Suzanne Otis and Claude Lamirande for project entitled "Seismographe" and Clarence Virtue on "Experiments on Controlled Crystal Growth".

#### Other Business

The Sections and Divisions of the Association are all operational and reports of their activities have been submitted to Geolog. The Cordilleran and Newfoundland Sections have both had successful and well attended meetings held February 6th and 7th and March 18th and 19th respectively.

**Publications**

Publication sales of the Association have increased in the 1975-76 year over the preceding year. Because of problems with printers and with the mail system certain deadlines were not met and Special Paper #13 did not appear until October of 1975. Special Paper #14 still has not appeared, although it should be finished before June of 1976. The appearance of both of these publications should further serve to increase publication sales.

The sale of publications from May 1, 1975 to April 30, 1976 and stocks on hand are as follows:

	<b>Copies Sold</b>	<b>Copies on Hand</b>
<i>Proceedings</i>		
Vol. 11	1	38
Vol. 16	1	16
Vol. 19	3	33
Vol. 21	2	215
Vol. 22	2	185
Vol. 23	2	183
Vol. 24, I	6	82
Vol. 24, II	2	35
Vol. 25	9	293
<i>Special Papers</i>		
# 1	31	34
# 5	49	28
# 8	123	2,002
# 9	60	90
#10	55	134
#11	81	1,074
#12	82	1,298
#13	654	1,386
<i>Maps</i>		
<i>Geoscience Canada</i>		
Vol. 1, #1	46	249
Vol. 1, #2	50	56
Vol. 1, #3	46	397
Vol. 1, #4	48	202
Vol. 2, #1	354	-
Vol. 2, #2	260	111
Vol. 2, #3	3,010	-
Vol. 2, #4	2,780	259
Vol. 3, #1	2,713	842
<i>Miscellaneous</i>	16	563

Respectfully submitted  
 Alan V. Morgan  
 Department of Earth Sciences  
 University of Waterloo  
 Waterloo, Ontario

**List of members attending the Business Meeting held at University of Alberta, Edmonton, Alberta, Wednesday, May 19, 1976.**

E. C. Appleyard	
C. R. Barnes	
H. R. Belyea	
W. G. E. Caldwell	
F. H. A. Campbell	
K. D. Card	
H. A. K. Charlesworth	
R. L. Cheesman	
D. R. Derry	
R. J. W. Douglas	
J. P. Greenhouse	
R. S. Harrison	
V. F. Hollister	
W. W. Hutchinson	
N. P. James	
P. M. Kavanagh	
J. Lajoie	
C. F. M. Lewis	
S. B. Lumbers	
R. W. Macqueen	
W. H. Mathews	
A. V. Morgan	
H. C. Morris	
K. Mukherji	
A. M. Naldrett	
E. R. W. Neale	
V. W. Papezik	
S. J. Pedley	
R. A. Price	
D. Pyke	
P. H. Rousell	
A. P. Sabina	
D. F. Stott	
D. F. Strong	
A. Sutherland-Brown	
J. O. Wheeler	
H. Williams	
C. G. Winder	
W. J. Wolfe	
Total number of members attending the Meeting ..... 39	
Total number of members represented by proxy ..... 459	
Total ..... 498	