Geoscience Canada

Secretary's Report - May 1976

A. V. Morgan

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# Secretary's Report

## May 1976

### Membership

- **Honorary Members and Patron**: 8
- **Life Members**: 4
- **Retired Members**: 48
- **Fellows**: 1,679
- **Associates**: 750
- **Corporate Members**: 89

- **Total**: 2,578

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

#### Fellows:

- Agib, 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.   - Haliz-Zadeh, A. U. R.
- Berry, M. J.    - Harrison, R. S.
- Bidwell, G. E.  - Hesp, J. B.
- Briggs, D. N.   - Hoffman, D. W.
- Bower, D. R.    - Honsberger, J. C.
- Camfield, P. A. - Hope-Simpson, D.
- Chatterton, S. 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.  - Janess, S. E.
- Cooper, G. E.   - Johnson, R. D.
- Cooper, M. A.   - Jolly, W. T.
- Crosby, R. M.   - Kepple, J. D.
- Cross, H. J.    - Koub, J.
- Currie, K. L.   - La Prairie, L. F.
- Daee, D.        - Loveridge, W. D.
- Dawson, K. M.   - MacGregor, D. D.
- Day, M. J.      - Marn, R. F.
- Duba, D.        - Marr, J. M.
- Falconer, R. K. H. - McCann, S. B.
- Fink, R. P.     - McGannon, B. W.
- Fitzgerald-Moore, P. - Murrell, M. R.
- Ford, D. C.     - Narain, M.
- Fox, J.         - Ozborne, H. R.
- Free, B.        - Perry, D. G.
- Greenhouse, J. P. - Pilon, J. A.
- Griep, J. L.    - Pinch, M. C.

### Associates:

- Aaquist, B. E.
- Allan, D. K.
- Baldwin, L. A.
- Bellen, I.
- Boal, J. D.
- Bonnell, R. B.
- Brevet, W. E.
- Bruce, T. G.
- Buck, P. S.
- Burrowes, O. G.
- Bylor, R.
- Calder, M. S.
- Chauvin, L.
- Chaykowski, A. S.
- Chu, G. R.
- Clague, A. V. C.
- Conley, G. K.
- Colasandro, M.
- Conn, 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.
- Ghoshal, D. M.
- Hancock, J. S.
- Hardy, J. L.
- Hare, D. A. B.
- Hawkins, G. J.
- Hebbig, H.
- Hilyer, E.
- Jackman, D. W.
- Jean, R.
- Jeffery, B. D.
- Jellettzky, O. L.
- Kyba, B. W.
- Lalande, M.
- Lane, L. S.
- Ritchie, P. M. H.
- Rodgers, T.
- Roe, L. C.
- Russell, R. D.
- Schwartz, F. W.
- Smith, D. P.
- Sundby, B.
- Taylor, P. H.
- Terrill, J. W.
- Thomas, M. D.
- Thompson, E. G.
- Tiffin, L. D.
- Valliant, H. D.
- Von Hesse, C. H.
- Wallick, E. I.
- Wilton, C. K.
- Lapointe, P.
- La Tour, T.
- Lulman, P. S. M.
- Leclerc, A.
- Lea, 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.
- Pinn, D. J.
- Plunkett, 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.
- Whitby, P. B.
- Winfield, W. D. B.
- Young, F. W.
- Young, I. F.
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 Paleo-Magneto-Magnetism 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-President’s 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 inspire younger workers in his field.

Fellows
Andrew, J. T. G. Imrehe, L.
Asbury, W. N. Loken, B. H.
Best, R. V. Martignole, J.
Buchholz, J. Murthy, T. N. N.
Chiang, D. M. Neilsen, J. M.
Chisholm, E. O. O’Connor, R. H.
Drapeau, G. Petelle, 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. Pearson, A. D.
Dacc, A. C. Poelting, G. R.
DeCruy, B. H. Penny, R.
Haatala, P. O. Russell, N.
Hubert, J. M. Ryan, B. D.
Ison, G. F. Skinner, R. G.
Keir, J. N. Sylla, N.
Kruzick, J. H. Tower, J. J.
Littlejohn, A. L. Wiese, W.
Wilmut, C. R.

Transfer to Associate to Fellow:
Giduck, M. J.
Leong, K. M.
Mioduszewska, B. M.
Sieniakowska, K. M.
Wilkinson, W. J.

An additional 158 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. Hoff, D.
Boggaram, G. Knight, R. J.
Boyden, E. P. Kun, P.
Brandon, L. V. Melachowski, U.
Byers, D. Manchuk, B.
Cameron, E. N. Magathan, E.
Campbell, N. McClelland, C. D.
Chapman, B. D. McRitchie, W. D.
Cordial, G. Mutch, A. D.
Cornie, J. M. Prince, G.
Cottingham, C. T. Rucklidge, J. C.
Cubitt, J. G. E. Stevenson, I. M.
Dennis, J. G. Schutz-Westrum, H. H.

It is with regret that the death of the following members must be recorded:
Deceased:
Cunningham, R. C. Kay, M.
Hailes, T. B. Nelson, F. M.
Hopkins, P. E. Nuy, C. S.
Hutchinson, A. P. Webb, J. B.

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

Fellows:
Andrew, J. T. G. Imrehe, L.
Asbury, W. N. Loken, B. H.
Best, R. V. Martignole, J.
Buchholz, J. Murthy, T. N. N.
Chiang, D. M. Neilsen, J. M.
Chisholm, E. O. O’Connor, R. H.
Drapeau, G. Petelle, B. R.
Fitzpatrick, M. M. Ray, A. S.
Grenier, J. Wright, J. D.

On the positive side, the dues received from increased membership amounted to an additional $2,640, the sale of publications increased markedly - by some $8,468, and some considerable cost savings were made in the publication of Geology. 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 Geology. This was affected by changing the printer, and by reducing the number of issues of Geology. The demise of one issue of Geology due to a series of unfortunate circumstances. not the least of which was the lengthy mail strike, resulted in a “saving” of $6,695.

As was predicted in 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. Flemick (Chairman), A. T. Avison, D. H. James, G. C. Milligan and C. R. Steck 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. One hundred more Fellows were elected to membership in the year 1975-76 than in the preceding year. The Headquarters staff will be computerizing the pre-paid 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 compiled by 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, "Metamorphism 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 "Comendot Paleoeoecology", 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. Lentz.

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 advertising has been increased markedly. The excellent work of the editor and the Association's advertising manager in promoting sales of Geoscience Canada is deserving of special note.

Geologist, 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 as 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 Geologist 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 is currently 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 Paleontolmgy 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. Miouszewska (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 of 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 course work 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 "Orдовиcian Cephalopodes du Seguency"; 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 report that their activities have been submitted to Geologist. 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:

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Maps

Geoscience Canada

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Miscellaneous

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