

# Secretary-Treasurer's Report: May 1985

John Malpas

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## Secretary-Treasurer's Report May 1985

### Membership

Membership of the Geological Association of Canada, as of 14 April 1985, is:

	14 April 1983	14 April 1984	14 April 1985
Honorary Fellows	5	5	4
Life Fellows	5	5	5
Retired Fellows	71	73	77
Fellows	1,750	1,718	1,709
Associates	888	560	546
Student-Associates		243	273
Corporate Members	59	67	66
	<u>2,778</u>	<u>2,670</u>	<u>2,680</u>

The geographic distribution of membership (Fellows, Associates and Corporates) is:

Canada	2,467	2,373	2,393
Newfoundland	85	77	75
Nova Scotia	96	87	97
New Brunswick	49	49	58
Prince Edward Island	1	1	1
Quebec	271	257	254
Ontario	947	941	977
Manitoba	61	58	54
Saskatchewan	88	88	78
Alberta	385	344	310
British Columbia	465	449	461
NWT and Yukon	19	22	28
United States	189	182	180
Australia/New Zealand	28	25	27
South/Central America	10	16	12
Africa and Asia	23	19	18
Europe	62	55	50

Members elected since April 1984 are as follows:

#### Fellows:

A.H. Arik	D.J. Teskey	I.B. Judd-Henrey
R.G. Blair	J.A. Walker	B.C. Keen
E. Canova	M.T. Zral	W.M. Kelly
C.S. Churcher	<b>Associates:</b>	K.R. Kettles
E. Cogulu	D. Balthazar	D. Lebel
A.J. Deevy	M.F. Beckett	L.C. Lee
R.S. Geddes	D. Bernard	D.S. Lemmen
R. Gosselin	D.R. Briggings	P. Loughheed
T.S. Hamilton	S.D. Carr	D.S. MacDougall
A.C. Higgins	D.C. Carter	D.C. Machin
C.M. Jennings	J. Dean	R.A. Magyar
G.B. Keep	B. Dube	D.R. Melling
M.M. Kehlenbeck	M.P. Dubord	G.M. Milton
N.R. Landsberg	R.S. Duke	D.C. Murphy
K.J. Lapierre	C.E. Ellis	P.S. Mustard
R.P. Lichty	M. El-Mountassir	D.L. Naldrett
J.R. Mullen, Jr.	M.L. Emory-Moore	M.G. Napoli
F.H. O'Brien	J. Fedorowich	A.G. Nikolajevich
I.D. Pirie	P. Garneau	B. Norris
P. Robinson	G. Gilbert	C.A.M. O'Flaherty
B.R. Schnieders	R. Godue	L. Petrie
J. Shaw	T. Goodman	M.M. Sandborn
P.M. Smith	P. Hernandez	D.J. Scott
M.A. Stammers	B.W. Janser	P. Shitahodo
G.S. Stockmal	T.D. Johnston	H. Tessier
R.M. Sullivan	R.M. Johnstone	G.M. Travis
		G.D. Trembath

#### D.A. Van Everdingen

D. Vermette  
E.F. Zaunserb  
C. Zurevinski

#### Transfer from

#### Associate to Fellow:

D.I. Brisbin  
J.R. Goodwin  
J.K. Mason  
F.A. Michel  
P.J. Ryall  
C.R. Tippett  
C.G. Verley

#### Resigned:

H.C. Berg  
B.A. Bradshaw  
J.M. Brady  
J.A. Cherry  
H.M. Conn  
W.W. Cummings  
C. David  
G.S. Disler  
P.E. Grenier  
E.C. Halstead  
J.B. Hamilton

J.A. Hansuld  
R.E. Jackson  
I.B. Judd-Henrey  
S.B. Lowe  
G.C. McCartney  
F. Mendelsohn  
E.L. Mercy  
R.R. Ogilvie  
B.D. Ricketts

A.S. Ritchie  
J.E. Rockingham  
R.J. Sabourin  
J.C. Smith  
P.H. Taylor  
B.J. Tilley  
H. Tessier  
B.A. Van Der Pluijm

#### Corporate Members Resigned:

Abitibi-Price Mineral Resources  
Brock University  
Granges Exploration Canada  
Gulf Western Canada Ltd.  
Kenco Exploration Canada Ltd.

#### Deceased:

The Council of the Geological Association of Canada records with regret the names of the following deceased members:

G.D. Boldy  
L. Gelinis  
M.J. Heaton  
D.B. Layer  
G.D. Mason  
V.S. Papezik  
P.H. Riordan  
V. Vellet  
W.W. Weber

At the time of this report, 230 applications are being processed.

The Council of the Geological Association of Canada acknowledges, with gratitude, the support of the following Corporate members:

Aberford Resources Ltd.  
Agnico-Eagle Mines Ltd.  
Amex Exporation Inc.  
Amerada Minerals Corp. of Canada  
Amoco Canada Petroleum Co. Ltd.  
Amok Ltd.  
Asarco Exploration Company of Canada Ltd.  
B.C. Ministry of Mines and Petroleum Resources  
Billiton Exploration Canada  
Bow Valley Industries Inc.  
Campbell Resources Ltd.  
Canada Northwest Energy Ltd.  
Canada Tungsten Mining Corporation Ltd.  
Canadian Hunter Exploration Ltd.  
Canadian Occidental Petroleum Ltd.  
Canadian Superior Oil Ltd.  
Canamax Resources Ltd.  
Canterra Energy Ltd.  
Cominco Ltd.  
Conwest Exploration Co. Ltd.  
Cogema Canada Limited  
Corporation Falconbridge Copper  
David S. Robertson & Associates Ltd.

Derry Michener, Booth & Wahl  
Discovery Mines Ltd.  
Dome Mines Ltd.  
Dome Petroleum Ltd.  
Echo Bay Mines Ltd.  
Eldor Resources Inc.  
Esso Resources Canada Ltd.  
Falconbridge Nickel Mines Ltd.  
Falconbridge Ltd.  
Getty Mines Ltd.  
Golden Sceptre Resources Ltd.  
Gulf Oil Canada Ltd.  
Hudson Bay Mining & Smelting Co.  
Husky Oil Operations  
Inco Metals Co.  
Kerr Addison Mines Ltd.  
Kidd Creek Mines Ltd.  
Labrador Mining & Exploration Co. Ltd.  
Lac Minerals Ltd.  
Lacana Mining Corp.  
Morrison Petroleum Ltd.  
Newmont Exploration Of Canada Ltd.  
Noranda Exploration Co. Ltd.  
Norcen Energy Resources Ltd.  
Northgate Exploration Ltd.  
PNC Exploration (Canada) Co. Ltd.  
Pancanadian Petroleum Ltd.  
Petro Canada Exploration Co.  
Picklands Mather & Co.  
Placer Development Ltd.  
Resources Associates of Alaska  
R. Jure  
Rio Tinto Canadian Exploration Ltd.  
Saarberg Interplan Canada Ltd.  
Saskatchewan Oil and Gas Corp.  
Selco Mining Corp. Ltd.  
Shell Canada Resources  
Suncor Inc.  
Sundance Oil Canada Ltd.  
Texaco Canada Resources Ltd.  
Union Oil of Canada Ltd.  
Westmin Resources Ltd.

#### Universities:

Carleton University  
McMaster University  
Memorial University of Newfoundland  
Université de Montréal  
Université Laval  
University of Toronto  
University of Waterloo

#### Logan Medal

The Logan Medal, the Association's highest award, was presented to Dr. Raymond Price of the Geological Survey of Canada during the Association's Annual Luncheon on Wednesday, 15 May 1985.

In his twenty-five year career to date, Dr. Raymond Price has made a deep and lasting mark on Canadian geology and has served the Canadian earth science community in diverse ways with laudable distinction.

Currently Director General of the Geological Survey of Canada Dr. Price's association with the government service dates

to his student days. He began work as a field assistant in the southern Cordillera while still an honours student at the University of Manitoba and strengthened the ties during his years at Princeton University, from which he graduated with the Ph.D. degree in 1958. His doctoral dissertation offered a new exposition of the stratigraphy and structure of the Flathead region of Alberta and British Columbia, and from such roots he cultivated a flourishing program of studies in the southern Cordillera that is only now coming to a full and generous fruition. It was logical that he should join the Geological Survey permanently following his years at Princeton, and he continued in government service until 1968 when he joined the faculty of Queen's University. Initially an Associate Professor, he was quickly promoted to Professor and to Head of Department, and held the latter position from 1972 to 1977. From 1978 to 1980, he held a Killam Senior Research Fellowship. In 1981, he returned to the Geological Survey as a Senior Research Scientist and on 1 January 1982 was appointed Director General.

The name of Raymond Price is immediately linked to the regional geology of the southern Canadian Rocky Mountains. While that is entirely appropriate, it should not obscure a long-standing and more specific concern for the fabric of deformed rocks and the mechanics of thrust faulting, nor an equally long-standing concern for the tectonic evolution of the "backbone of North America". As befits his new position, Dr. Price now also has expanded his interest in the regional geology and tectonic evolution of all of Canada. In a plethora of papers published in the scientific journals as well as in the various publications series of the Geological Survey, Dr. Price has made original and substantial contributions to knowledge on these various subjects. Like another noted geologist of another land and another time — England's William Smith — Dr. Price discovered early in his career that the most convenient and concise means of conveying many of his findings was through the published geological map. He is the author or co-author of many of the beautiful, coloured, geological maps that expose so clearly the complexly stacked thrust sheets of the southern Cordillera and that so enhance the Canadian geological literature.

Worthy of no lesser recognition is Dr. Price's role as a teacher, not only of his own Queen's students in the classroom at Kingston but of students from many Canadian universities on the outcrop in Alberta and British Columbia. No student who served as a summer field assistant to Dr. Price in the Rocky Mountains failed to return to his university vastly more enthusiastic and more knowledgeable about

geology, vastly richer too in other ways for the experience. And students who were not privileged to serve in the field with Dr. Price had their appetites for geology similarly whetted by the clear, superbly paced, and impressively illustrated talks which Dr. Price gave in universities across the land as Distinguished Lecturer of the Canadian Institute of Mining and Metallurgy (1969–70) and of the Canadian Society of Petroleum Geologists (1979–80).

Dr. Price has served the earth sciences in Canada not only as teacher and researcher but also, to an outstanding degree, as administrator, editor, and foreign ambassador. He is a former Associate Editor of the *Bulletin of Canadian Petroleum Geology*, the *Canadian Journal of Earth Sciences*, *Geoscience Canada*, and the *Bulletin of the Geological Society of America*; and he has served on the Editorial Board of the *Journal of Structural Geology*. Together with R.J.W. Douglas, he edited the Geological Association of Canada's popular *Special Paper Variations in Tectonic Styles in Canada*. Excluding his administrative work in Queen's University, Dr. Price has served as chairman or a member of about thirty-five important national and international committees devoted to advancing the earth sciences. He continues to serve today in such diverse roles as a member of the Centennial Program Steering Committee for the Geological Society of America; a member of the Board of Electors, Department of Earth Sciences, Cambridge University and President of the Inter-Union Commission on the Lithosphere.

To win the Logan Medal, an earth scientist must have made an outstanding contribution to the earth sciences in Canada. Dr. Raymond Price has made such a contribution on many fronts and can be considered a most worthy recipient of the award.

#### Past President's Medal

Derek York of the University of Toronto received the Past President's Medal from C.R. Barnes to acknowledge his major contributions to geochronology and thermochronometry using innovative techniques involving Argon 39 and 40.

Already one of the pioneers in the geological application of conventional K–Ar dating, he started using the then new technique  $^{40}\text{Ar}/^{39}\text{Ar}$  dating in the late sixties, and has since applied it to a wide range of geological problems. The span of their ages is great — a few tens of thousands of years to a few billion years, the uncertainties are small — a few million years in a billion years, and the variety of applications is large. The problems tackled include, as examples: the age of the Laschamp magnetic event (47,000 years); the age of

the hominid Lucy (3.5 million years); impact structures such as the Mistasin crater (38 million years); paleopoles of Grenville (1.1 billion years) gneisses and Archean (2.7 billion years) granites; the Onverwacht volcanics from South Africa (3.5 billion years).

Derek York and his colleagues showed that incremental heating techniques in  $^{40}\text{Ar}/^{39}\text{Ar}$  analyses of single samples allowed time and temperature to be related and cooling histories could be evaluated quantitatively. They related magnetic and isotopic blocking temperatures and tackled problems on the thermal and paleomagnetic history of rocks in the Grenville region and their paleomagnetic record. He has applied the new technique to problems of dating mineralization — of pyrites, for example, despite their low levels of potassium and radiogenic argon. He was the first in the world to use a continuous laser probe for step heating of individual mineral grains; using individual flakes of mica less than one millimeter in size, he dated the uranium mineralization of the McLean deposits of Northern Saskatchewan.

He continually seeks speed, resolution, accuracy and new problems. He became the world authority on the "best fitting straight line". He has contributed to plate tectonics, to teaching through his books, and to science in general through his science series in the *Globe and Mail*.

He is nominated for his brilliant, original and wide-ranging work on  $^{40}\text{Ar}/^{39}\text{Ar}$  dating in which he has become a world authority and for which he is a most worthy recipient of the GAC's Past President's Medal.

#### Duncan R. Derry Medal

The Duncan R. Derry Medal of the Mineral Deposits Division was awarded to Michael Knuckey at the Annual Meeting of the Association in Fredericton, N.B.

The Mineral Deposits Division of GAC is pleased to announce that the winner of the Duncan R. Derry Medal for 1985 is Michael J. Knuckey. Mike has received this award in recognition of his achievements and contributions as an economic geologist including:

- his very successful discovery record;
- his support to staff and others in scientific research related to mineral deposits; and,
- his ability to raise support for some outstanding exploration projects which have brought considerable respect from our geological fraternity to both him and his company.

Mike was born in Cornwall, England, to a Cornish family with generations of mining experience and graduated from the Royal School of Mines in 1957. Moving to Canada he worked at Lacnor (Elliot Lake), East Malartic, and the Coniagas Mine before his

work added considerably to the ore-reserves, leading to an expansion of the mill, and extended the life of the mine. In Nicaragua he discovered two gold-silver deposits, later to become producing mines.

In 1973, Mike moved back to Canada as Chief Geologist for Falconbridge Copper at Noranda. He is reported to have been a sceptic of the volcanogenic model, reflecting the epigenetic thinking of many of the ore discoverers in the district who were still active at that time. However, from his willingness to listen to the ideas of others, together with his knowledge of volcanoes and volcanic topography gained in Central America, he soon realized both the potential of the stratigraphic model and the importance of synvolcanic structures as controls on the location of ore deposition.

Compared with the then accepted idea that the Noranda deposits all lay along one horizon, he recognized that if the ore-bodies could be stacked on a local scale as was then being demonstrated at Millenbach, then they could also be stacked on a regional scale, with all that implied for the potential of the district. As we all now know, the result of this insight was the discovery of five separate high-grade lenses that became part of Millenbach and the Corbet Mine in 1974 and the Ansil deposit in 1981.

Mike moved back to Toronto and by 1982 had become Vice-President, Exploration for Corporate Falconbridge Copper. He was instrumental in continuing that company's exploration successes, with discoveries at Winston Lake, expansion of their organization to the west with the soon to follow success at Rea Gold in British Columbia.

As many working in industry will recognize, these exploration programs and geological concepts would not have come to fruition without a particular talent for convincing management of the appropriateness and financial advantage of undertaking his programs.

And as if Mike's geological insight, discovery record, and business and personal skills were not sufficient measure of his excellence, he has also made a special effort to report the results of his projects and research. He has published a number of critical papers, and perhaps less well recognized, has been behind the publication of many papers by his staff and by others at various Canadian universities. He has made many presentations to professional groups and been the host to countless mine and field trips at Noranda. In addition, he has assured that the necessary financial and technical support has been made available for research projects at various institutions.

In all these respects, Mike Knuckey is an outstanding economic geologist in his discovery record, support of the exploration

and research efforts of his staff and others, and in the contributions he has made to the science of economic geology in Canada. He is a most worthy recipient of the Duncan R. Derry Medal.

#### Special Service Awards

Special Service Awards were presented to John Kramers, the outgoing Chairman of the Publications Committee and to Roger Walker, Editor of the most successful GAC publication *Facies Models*.

John has made clear in his years as Chairman of the Publications Committee that publications are the most important visible outward sign of the Association's activities. The continuing high standards of all GAC publications, the revitalisation of the Special Paper series in a new format and with graphically illustrated covers, and the continuous flow of scientific literature from the Association are due to the tremendous efforts of the Publications Committee and especially its Chairman. The Association expresses its sincere thanks to John Kramers for his years of service and all his efforts on its behalf.

Roger Walker edited and contributed to the First Edition of *Facies Models*, a Geoscience Canada Reprint Series, with such effectiveness that the book became a standard reference text in many Canadian and foreign universities. A Second Edition, incorporating updated and new papers, was published in 1984 and again has sold in huge numbers. Recently, the Open University in England decided to incorporate the text as one of their course requirements. Undoubtedly, far and away the best seller of the GAC, much of its appeal is due to the efforts of its Editor. For this reason, the Association is proud to present a Special Service Award to Roger Walker.

#### Headquarters News

Headquarters is now firmly established at 4 Clark Place, St. John's, Newfoundland in an off-campus building of Memorial University. Headquarters staff share this building with the Newfoundland Institute of Cold Ocean Science and members of the Earth Science Department. Maureen Penney is Associate Secretary-Treasurer and Cynthia Pitts, Assistant Secretary-Treasurer. In addition, Marion Huxter is employed as a secretarial assistant on a part-time basis.

This year saw the appointment of an Executive Director for the Association on a part-time basis. Dr. A.R. Berger fills this position spending one-third of his time away from the Geological Survey of Canada and the *Episodes* office. Financial support for the new Executive Director's position has come from the Department of Energy, Mines and Resources, Ottawa; the Government of Newfoundland and Labrador and

the Government of Ontario. These contributions are gratefully acknowledged here. With the introduction of the new position, the Association aims to increase its public information service and promotion and sales of publications. Tony's main aims are to co-ordinate the activities of the committees of council into a concerted effort to improve member services and increase overall membership of the Association. He has therefore embarked upon an ambitious programme of bringing the Association to the attention of the greater Canadian geoscience population. On-going results of the headquarters campaign will be regularly reported in *Geolog*.

### Finances

The audited financial statement for 1984 was prepared by Doane Raymond who remain the Association's auditors and was sent to all Fellows during April 1985. As in the previous year, the financial statement appears in two sections, separating the Howard Street Robinson Trust Account from other operating accounts. Total income from members' fees, corporate membership, annual meetings, investment and donations was slightly lower than in 1983, although there were marked differences in items within this category compared with the previous year, i.e. foreign exchange was up 100%, interest 60%, and grants and annual meeting revenue down. The balance of income now stands at \$190,801.00, representing a decrease of just over one-quarter percent. The cost of members' services decreased to \$154,515 (approximately 1.8%), although with the Executive Director's activities, advertising charges showed increases, offset by reduced computer charges, equipment purchases and shipping and travel costs.

As indicated in the last Secretary-Treasurer's report, the financial standing of the Association changes from year to year as a result of working on an accrual basis but not counting grants received for publications which are only recorded when the works are published. This year Council projected a budgetary shortfall of \$27,695.00, but members' equity surplus actually decreased from \$158,695 in 1983 to \$118,777 in 1984, a decrease of \$39,918. About \$12,000 of this deficit arises because the auditors will not recognise the amount of grant revenue until publications appear. In addition the decision of Council to reprint *Facies Models* and to print Special Paper 27 late in 1984 resulted in costs not yet offset by sales, but a considerable asset which is not recorded in the financial statements.

Budgeting for the 1985 fiscal year calls for a balanced budget and first quarter figures recently reviewed by Council show that the Association is maintaining this aim.

### Committee Activities

In 1984 the Executive and Council met in Council meetings held on 2 March in Fredericton, N.B.; 13 May and 16 May in London, Ontario; 21–22 October in Fredericton, N.B. In addition, the Executive met from 29 February–1 March in St. John's, Newfoundland; 12 May in London, Ontario; 9 September in Calgary, Alberta; and 15–16 December in St. John's, Newfoundland.

The President, Denis St-Onge, encouraged the streamlining of Council and Executive activities resulting in reduced numbers and duration of Council meetings. Committees to Council were encouraged to report regularly in written form to Executive through the Executive Director. Both Executive and Council met with representatives of forthcoming Annual Meetings in Fredericton and Ottawa. High on the list of priorities for Council was the inauguration of the Logan Foundation, a problem unfortunately still not resolved.

The **Finance Committee**, under the new Chairmanship of John Hamilton, has been considering both short and long term financial planning for the Association. This has involved a review of U.S. fund holdings and the Association's holdings of bonds and debentures. This is an ongoing process and will continue through the early part of the new fiscal year. The Finance Committee has also considered the problem of membership fee increases in light of the deficit incurred over the last year. The present fee structure is such that between \$4–\$25 is lost by the Association for each member in the cost of publications. That is, the publications distributed to membership cost more than the membership dues. Clearly, this risks depleting relatively meagre financial reserves. Council will be considering the Finance Committee's recommendations during the Annual Meeting in Fredericton.

Under the direction of John Kramers, the **Publications Committee** oversees the publication of *Geoscience Canada*, *Geolog*, Special Papers, and other publications and advises the editorial board of the *Canadian Journal of Earth Sciences*.

*Geoscience Canada* has appeared regularly under the editorship of Andrew Miall. The December issue for 1984 was somewhat delayed because it was a large issue containing the 11-year index to *Geoscience Canada*.

A special issue of *Geoscience Canada* devoted entirely to Lithoprobe is proposed for late 1985, with the possibility that a Lithoprobe reprint series could appear late in 1986. With respect to other ongoing series in *Geoscience Canada*, both the Paleontology series and the Diagenesis series are proceeding on track. The Executive Director has been working to promote advertising in *Geoscience Canada* as a

means to increase revenue. Exchanges of advertising with other societies is being encouraged.

*Facies Models*, Geoscience Canada Reprint Series Number 1, was reprinted as a Second Edition in 1984 and a total of 1,523 copies had been sold by April 1985. The second publication in the series, *Dating Methods of Pleistocene Deposits and Their Problems* has recently appeared off the press. Both the Diagenesis series and Paleontology reprint series are in the planning stages.

The Association newsletter, *Geolog*, has continued to be published under the editorship of Godfrey Nowlan. A review of the role of *Geolog* was made during the year and it is to be hoped that the newsletter will in future contain more information from Executive and Council meetings. Godfrey Nowlan will be leaving *Geolog* in the next year to become Chairman of the Publications Committee. He was congratulated by Council for his outstanding efforts as Editor. The upcoming co-Editors of *Geolog* are Michael and Monica Easton of the Ontario Geological Survey in Toronto.

No Special Papers appeared during 1984, although Special Paper 27, *Jurassic-Cretaceous Biochronology and Paleogeography of North America*, edited by G.E.G. Westermann, went to press late in the year and appeared in the new Special Paper format in early 1985. Special Paper 28, *Evolution of Archean Supracrustal Sequences*, and Special Paper 29, *The Carswell Structure Uranium Deposits, Saskatchewan*, will appear shortly after this report is presented.

Short Course Notes Volumes 2, 3 and 4 are now all available. The Second revised Edition of Volume 3, *Coal Petrology: Its Principles, Methods and Applications*, appeared recently.

The *Canadian Journal of Earth Sciences (CJES)* remains the principal journal adopted by GAC. The close ties between the Association and this NRC-sponsored Journal are now reflected in the adoption of the GAC logo on the back cover of the Journal adjacent to the statement of affiliation. In addition, NRC has agreed that on the new *CJES* letterhead the GAC logo will appear together with the statement, in both French and English, "A Journal adopted by the Geological Association of Canada". The Association wishes to thank the Editor, Glenn Caldwell, for his efforts in having these features approved by the NRC publication offices.

The Executive Director has overseen the production of flyers advertising current and forthcoming publications, and complete, up-to-date lists and order forms are being widely distributed through the new membership representatives, through divisions and sections and at conference displays.

Supplies of these are available from GAC headquarters in St. John's. Payments for publications (and annual dues) by VISA and MASTERCARD are now possible, and early indications are that many prefer this method of remitting money.

An agreement has been reached with the Australian Mineral Foundation in Adelaide, whereby they will sell GAC publications in Australia, and exchanges of advertising have been arranged with the American Geological Institute, the Geological Society of London, and the International Union of Geological Sciences, among others. Displays of GAC publications and membership material have been organized by the Executive Director at many local and regional conferences including AAPG annual meeting (New Orleans), European Geological Societies meeting (Edinburgh), IAS regional symposium (Lleida, Spain), PDA (Toronto), and Silver '85 (Vancouver). Many others are being planned now so as to increase the "visibility" of the Association.

As indicated above, Council wishes to express the Association's thanks for the tireless efforts of John Kramers as Publications Committee Chairman. These efforts have resulted in increased standards of science and production of all the Association's publications, perhaps the most important advertisement for membership. Godfrey Nowlan will have a difficult task to follow.

The **Membership Committee**, under the chairmanship of David Piper, introduced a new application form during 1984 to help streamline processing of applications. In addition, with help from headquarters, the Committee has been encouraging the transfer of Associate members to Fellows where they are qualified. A network of membership representatives is being set up throughout the country as part of the membership campaign. The results of the campaign, under the directorship of Tony Berger, cannot be assessed as yet but signs are encouraging with as many new members applying during the first quarter of 1985 as normally apply annually.

The **Program Committee** was taken over by Bill Ryan and has concerned itself with the revision of the annual meeting manual, and means whereby presentation of papers and posters at the annual meetings might be improved. It is hoped that both will be ready for the Ottawa '86 annual meeting. Considerable concern has been expressed both from members of Council and other Association members over the quality of abstracts and oral presentations. It is likely that some kind of review system will be set up to encourage better presentations and advise speakers of their shortcomings.

The Program Committee is also organizing the first mini-field conference to be held

out of Yellowknife in the summer of 1986. News of this event will appear in *Geolog*.

The **Special Projects Committee** has continued to make its main thrust the AGS video project. A series of video programs are planned to introduce the geology of Atlantic Canada to the public at large. GAC is a co-sponsor of this effort. Programs envisaged are: (1) The Appalachian Story; (2) Mineral Wealth in Atlantic Canada; (3) Offshore Oil and Gas; (4) The Recent Ice Age. Costs are estimated at approximately \$60,000 per program. A promotional video has already been produced to aid in the application for funds.

Graham Williams is particularly active with this project, but as Chairman of the Special Projects Committee he has indicated other proposals, including the holding of safety seminars and producing a list of "Theses in preparation" nationally.

The **Public Information Committee**, under the chairmanship of Robin Riddihough, has attempted to increase public awareness of the Association through press coverage.

This is especially true of Annual Meetings and this year at Fredericton, through the efforts of the Public Information Committee and the Local Organising Committee, a press room has been set up, and a press package produced containing information on the Association, its members and on the type of activities it promotes. Also included are summaries of the more "tangible" sessions being held at the Annual Meeting, especially those concerning economic mineralisation, and papers related to the Atlantic region.

The **Howard Street Robinson Fund Committee** is chaired by Art Soregaroli and continues to support the Mineral Deposits Division and Precambrian Division. Funding has been approved for "Gold '86", — an International Symposium on the Geology of Gold Deposits — to be held in Toronto in the fall of 1986. MDD are co-sponsoring this meeting.

The Howard Street Robinson Visiting Lecturer for 1985 has been nominated. Dr. Geoff Thurlow, of Abitibi-Price Resources in Buchans, Newfoundland, will begin a lecture tour in the fall as the first visiting lecturer. Logistics and arrangements for the tour lie with MDD. The nomination of visiting lecturer will alternate between MDD and the Precambrian Division.

The **Education Committee**, under the chairmanship of Colin Stearn, is supervising the production of an urban regional guidebook for the Ottawa region. This should be available for the Ottawa '86 annual meeting. Student prizes were awarded again this year to nominated students from Canadian universities. The recipients are as follows:

George Agapeew, Concordia University  
 Francois Brissette, Université de Montréal  
 Frank Brunton, Laurentian University  
 A.G. Butler, University of New Brunswick  
 Gordon Check, Dalhousie University  
 Catherine Connolly, University of Alberta  
 Stephen Day, University of British Columbia  
 Hugues de Corta, Université du Québec  
 à Montréal  
 G.D. Edgecombe, Acadia University  
 Louis Girard, University of Manitoba  
 Catherine Goddard, Mount Allison University  
 David Goldie, University of Waterloo  
 Nancy Haid, University of Saskatchewan  
 Kevin Jones, Saint Mary's University  
 Monika Lang, University of Regina  
 Keith Lesarge, University of Western Ontario  
 Paul MacRobbie, Carleton University  
 William Maitland, Queen's University  
 Simon Pattison, Brandon University  
 Colette Rennie, St. Francis Xavier University  
 Kenneth Richards, University of Calgary  
 John Smale, Brock University  
 Jennifer Smith, Lakehead University  
 Peter Werner, University of Toronto  
 Craig Wisse, McGill University

Alan Coope is in the process of attempting to raise funds for a national geological education magazine. The process is slow and arduous since costs will be high but signs are favourable for support from a number of sources.

The **Professional Affairs Committee**, under the chairmanship of Bob Hewton, is discussing with other societies (APPEGA, CSPG) and the Canadian Geoscience Council the matters of professional registration and accreditation.

The **Logan Foundation Committee**, under the direction of Fred Campbell, is negotiating with Revenue Canada the tax status of the Association. Legal advice is being sought to enable the Association to declare itself a charitable organization in order that donations might be received into the Foundation and tax receipts issued. It appears that this is a relatively complex procedure but it is realised that the setting up of the Logan Foundation is a first priority of Council and must be expedited.

### Sections, Divisions, and Affiliated Societies

Most Sections, Divisions and Affiliated Societies are alive and well and report regularly through the pages of *Geolog* to which readers are referred for details of activities. Because of their very nature some Sections and Divisions are larger than others, and many financially better off than others.

GAC Council feels it part of their responsibility to actively encourage the efforts of all its Sections and Divisions and has welcomed news, ideas and request for support. Council requests that all Sections

and Divisions attempt to report regularly to the Executive Director at Headquarters and point out that representatives are invited to attend all Council meetings.

It is through Sections and Divisions that GAC reaches out to the Canadian geoscience population. All are an integral part of the Association. The Executive Director will be attempting to integrate the efforts of the parent body and Sections and Divisions to increase awareness of the Association among Canadian geoscientists, to increase membership of the Association and to increase and improve membership services.

One new Division, the Canadian Sedimentological Research Group, and one new affiliated Society, the Canadian Quaternary Association (CANQUA), have joined other divisions and societies in GAC. Membership of Divisions now stands as follows:

Canadian Geophysical Union	— 141
Environmental Earth Sciences	— 108
Mineral Deposits	— 735
Paleontology	— 107
Precambrian	— 218
Structural Geology	— 191
Volcanology	— 185

#### Concluding Remarks

It is clear that the Geological Association of Canada is embarking upon a period of expansion both in its ideas, organization and hopefully in membership. Council believes that it is the only truly national geoscience society. As part of the "Corporation", Sections and Divisions are responsible to the parent body, and the parent body feels that through its Sections and Divisions major improvements will be made to membership services. Personally, I feel that each has become somewhat detached over the years, so that many members relate more, let's say, to MDD than GAC as a whole, or the Newfoundland Section than the parent Association. I am sure that the Council's wishes are for better and closer communication initially through the office of the Executive Director, and through the Association's publications. I hope that this may come about swiftly. Part of my financial responsibilities of the incorporated body are for Section and Division finances. I would therefore reiterate my request that financial statements be sent to me on an annual basis.

It is with regret that I have to note that two of GAC staff will be leaving the Association this year. Firstly, Naomi Frankel will be leaving her position with *Geoscience Canada*. She has been in the main part responsible for the superb layout and production of that Journal. We wish her well. Secondly, and of particular disappointment to me, is the fact that Cynthia Pitts, our Assistant Secretary-Treasurer will be

leaving for "Canada" in early June. She was instrumental in the smooth transfer of headquarters to St. John's and has been a stalwart in the office ever since. I know she has enjoyed working with the Association and we wish her the very best in Ontario.

Respectfully submitted,

John Malpas  
Secretary-Treasurer  
Geological Association of Canada  
Department of Earth Sciences  
Memorial University of Newfoundland  
St. John's, Newfoundland