Geoscience Canada

Secretary-Treasurer's Report:
May 1986

John Malpas

Volume 13, Number 3, September 1986

URI: https://id.erudit.org/iderudit/geocan13_3sr01

See table of contents

Publisher(s)

The Geological Association of Canada

ISSN

0315-0941 (print)
1911-4850 (digital)

Explore this journal

Cite this document

Malpas, J. (1986). Secretary-Treasurer's Report:: May 1986. *Geoscience Canada*, *13*(3), 220–228.

Secretary-Treasurer's Report May 1986

Introduction

The Geological Association of Canada has had a progressive year during 1985-86 realizing many of the goals set by Executive and Council. The Executive and Council met together in Fredericton on 13-17 May 1985; Ottawa on 2-3 November 1985; Saskatoon on 8-9 February 1986 and Ottawa on 17-21 May 1986. Additional Executive Meetings were held in Edmonton on 25 September 1985 and in Toronto on 14-15 December 1985.

Following on from the principles laid out by previous Executives, the Council has acted as a governing body and major source of ideas for the forward progression of the Association. Committees to Council together with Sections and Divisions of the Association have been encouraged to present written reports to Council through the Executive Director and officers of the Sections and Divisions have been invited to attend council meetings on a regular basis. Contact between the Sections and Divisions, and the parent body has been made a special responsibility of the Vice-President.

Membership

Membership of the Geological Association of Canada, as of 30 April 1986 is:

	April 1984	April 1985	April 1986
Honorary Fellows	5	4	4
Life Fellows	5	5	5
Retired Fellows	73	77	74
Fellows	1718	1709	1890
Associates	560	546	515
Student-Associates	243	273	267
Corporate Members	67	66	60
	2671	2680	2815

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

Canada	2373	2393	2514
Newfoundland	77	75	74
Nova Scotia	87	97	108
New Brunswick	49	58	59
Prince Edward Island	1	1	1
Quebec	257	254	261
Ontario	941	977	1013
Manitoba	58	54	57
Saskatchewan	88	78	77
Alberta	344	310	330
British Columbia	449	461	501
NWT and Yukon	22	28	33
United States	182	180	183
Australia/New Zealand	25	27	31
South/Central America	16	12	11
Africa and Asia	19	18	19
Europe	55	50	57

Members elected since April 1985 are as follows:

Fellows:

G.W. Adams
D.R. Alexander
M.A. Allard
S.D. Amor
J.W. Attig
J.A. Ayer
B.W. Barde
G.L. Benvenuto
M. Berezowskyj
O.J.H. Bonham
J.A. Boon
W.D. Boyce
D.E. Brown
K.L.Buchan
P.D. Burt
G.B. Burton
S.W. Campbell
D. Cardinal
T.H. Carpenter
A.M. Chater
J. Claveau
C.D. Cochrane
S.P. Colman-Sadd
R.B. Cook
P.R. Coolen
P.S. Cowley
G. Crowe
J.C. Davies
C.P. Dewey
B.D. Dewonck
D.N. Duncan
R.B. Durham
K.A. Eriksson
G.M. Evans
D.W. Ferguson
M.E. Fleet
D.L. Forbes
J.C. Freeze
H.M. French
R. Froidevaux
B. Furneaux
L.R. Fyffe
S.L. Gardiner
M. Gibling
M. Given
G. Golightly
R.A. Gonzalez
D.H. Goodale
S.C. Gower
D.A. Grieve
W. Groeneweg
H.E. Habib
F.C. Hawthorne
A.G. Higgins
D.A. Hodgson
C.J. Holland
R.T. Holland
D. Howe
A.J. Hynes
Y. Isozaki
P.G. Johnson
G.B. Keep
R.G. Kidlark
H.R. Klatt
M.J. Knuckey
J.P. Labelle
M.W. Leahey
G. Lortie
G.P. Lozej
R.W. Luce
O.P. Lund
H.S. MacFarlane
H. Mann
P.J. McCabe
A. McFaull
D.W. Milburn
J.M. Morganti
J.E. Mountjoy
S. Nantel
H.W. Nesbitt
D.C. Nobes
R. Norman
B.G. Norris
N.D. Novak
P. O'Dowd
E.G. Olfert
M.J. Orchard
G. Partridge
J. Patel
R.G. Paterson
R.W. Plummer
W.H. Pollard
G.E. Ray
W.M. Reed
N.W. Reid
C. Revington
S.J. Ristorcelli
R.C.R. Robertson
E.R. Rockel
J.C.M. Roddick
D.E. Rosser
B.V. Roulston
J.P.G. Saheurs
M.J. Sawiuk
D.R. Scammell
S.M. Sears
R.B.K. Shives
A.N. Sial
A.E. Slingsby
C. Smart
G.L. Smith
J.P. Sorbara
D.L. Southwick
R.M. Sproule
B.A. Stait
D. Stevens
A. Sulkovski
A.J. Tankard
R.W.R. Turner
R.J. Van Enk
J. Veizer
R.F. Velasco
D.H. Villeneuve
R.C. Wells
M.J. Werniuk
G.V. White
R.A. Wilson
P.J.E. Woods

Associates:

D.J. Ackersviller
G. Agapeew
W.K. Akhurst
C. Alain
J.H. Alexander
D.E. Ames
P.W. Andrews
R. Asselin
A.F. Bajc
S.A. Balzer
R. Banville
W.A. Barclay
J.P. Barrette
G. Beaudoin
J.H.J. Bedard
L.P. Bedard
N. Begin
K.B. Benn
D. Bernard
J. Bertrand
J.G. Bigras
R.A. Bilak
S. Bisson
A.H. Bolton
F.J. Boner
B.R. Booth
A. Bourget
F. Brissette
H. Brisson
G.O. Brown
P.S. Brown
F.R. Brunton
J.C. Bryan
J.R. Buchanan
G.H. Burbidge
L.D. Burden
G.T.J. Campbell
P.A. Campbell
S.D. Carr
W.J. Carrigan
L.E. Chackowsky

G.G. Check
Y. Chidiac
C. Clode
K.B.E. Collings
C.J. Collins
F.C. Colozza
B.D. Cooper
I.S. Cooper
H.J. Copland
S.G.B. Corden
J.P.R. Cote
M. Cuda
A.M. D'Orsay
B.V. D'Silva
D.R. Dalton
A.L. Darbyshire
B.S. Davis
C. Davis
N.A. Davison
G.L. Dawson
S.J. Day
P.M. De Bastiani
T. De Freitas
T.D. Demchuk
D. Demers
R. Deragon
J.R. Desloges
J.F. Devlin
J.R. Dickie
R.S. Duke
D.A. Dunkley
N. Dupras
H.C. Earnshaw
J.A. Easton
M. El-Mountassir
C.G. Elliott
E.F. Ells
D.L.S. Emond
M.R. Farr
R.P. Felder
G. Ferron
S.C. Feulgen
M.F. Fields
B.J. Fischer
P.A. Flagler
T.R. Foster
B. Fournier
B.P. Fowler
D.L. Fox
S.J. Friday
P. Gann
L. Gariepy
P. Garneau
R. Gaudreau
R.J. Giberson
L.J.L. Girard
J.R. Glew
D.M. Goldie
T. Goodman
D.P. Gormley
J.W. Grant
M. Grant
R.H. Grant
P.A. Gray
C.J. Greig
N.A. Haid
S.M. Hall
L.J. Ham
C.M. Hamel
D.C.W. Hamilton
J.V. Hamilton
R.J. Hampton
R.M. Harrap
P.A. Hartwick
J.P. Hayes
R.R. Helgason
J.G. Henning
P. Hernandez
K. Hicks
C. Hickson
P. Hinz
E. Hivon
E.W. Hodgins
C.J. Horner
D.J. Howe
T. Hurley
R.D. Imrie
K. W. Jamieson
G. Jean
D.I. Johnston
K.W. Jones
K.D. Kalicharran
D.E. Kerr
D.J. Kerr
L.J. Kerr-Lawson
G.R. King
D.E. Kirkwood
R.D. Knight
R.J. Kodybka
J.Y. Labbe
G.R. Labelle
G. Lacasse
B.D. Lafrance
J. Landry
M.E. Lang
C.C. Langille
D. Laroche
A.G. Latham
A. Leger
D.A. Leishman
P.D. Lemmon
D. Lentz
K.G. Lesarge
M.W. Lewis
G.A. Linassi
C.J. Lloyd
L. Losier
R.D. Maass
M.W. MacBurnie
I.M. MacDonald
H.F. MacKinnon
L. Madore
H. Mansour
R. Marchand
T.C. Marsh
B. Marson
A. Maslowski Schutze
P.N. Matsushita
D.W. McMullin
M.G. McMurray
G.J. McTavish
J.R. Meadows
A. Melnychuk
H.G.M. Miller
G.D. Milner
D.C. Mosher
J.P. Mucklow
G. Mullan
J.P. Muller
A.L. Murphy
T.W. Needham
F.W. Nentwich
S. Neufeld
S.R. Newkirk
L. O'Donnell
K.J. O'Shea
E. Ouellet
D. Ouellette
J.W. Page
G. Panneton
S. Pattison
C. Pepin
S. Perreault
J.C. Pilgrim
C.H. Place
H.E. Plint
M. Poulin
R. Pressacco
S.A. Prevec
A.G. Pronk
D. Quirion
D. Rampe
C.E. Ravenhurst
N.D. Rempel
C. Rennie
D.A. Rhys
K.C. Richards
J. Robins
P.A. Roos
K.V. Ross
T. Roth
M. Rouillard
S. Roy
J.N. Rubin
B.J. Rudnick
C.C. Ryley
L. Saint-Pierre
M.M. Savard
S.F. Schaller
J. Scodnick
A.Y. Scott
C.E. Seedorff
W.L. Sheldrick
P.S. Shyr
P.J. Simunovic
J.L. Smale
J.M. Smith
K.E. Sparkes
J.E. Sparling
O. Steele
R.A. Stern
N. Stock
G. Suhr
J.M. Sweeny
T.A. Taal
S.V. Taylor
M.J. Thicke
K. P. Thomson
D. Thorkelson
N. Togola
J.M. Tokaryk
S.L. Topham
A. Tremblay
M. Tremblay
C.G. Troke
P.A. Tuffnell
R.L.B. Van De Kemp
M.S. Vaskovic
D. Vermette
D. Verner
R. Vesely
D.A. Walker
L.I. Wassenaar
D.H. Watanabe
D.R. Webb
B.D. Wentzell
P. Werner
A.C. Weston
E.J. Williams
H. Wolf
D.H. Wood
R.J. Wyllie
G.A. Young
J. Young
R.B. Young
P.M. Zuberec

Transfer from Associate to Fellow:
R.G. Anderson
R.R.A. Arnold
J.F. Barker
E.S. Barton
A.B. Beaudoin
R.C. Bell
R.X. Beullac
M.L. Bevier
C.L. Bickford
H.C. Boyle
U. Brand
G.J. Breaks
J.A. Briskey
R.M. Britten
R.U. Bruaset
J.G. Bryant
K.V. Campbell
R.M. Cann
P. Chamois
N. Champigny
P.N. Chance
J.F. Chappell
S.G. Clemmer
J.E. Clemson
B.J. Cooke
A.J. Davidson
J.G. Davison
D. Desaulniers
P.M. Dimmell
J.M. Dixon
P.J. Doyle
P. Erdmer
P.F. Finamore
P.E.A. Fischer
J.M. Flanagan
J.Z. Fraser
A. Galley
W.W. Gardiner
F.B. Gigliotti
R.T. Gillespie
B.G. Goodson
S.P. Gordey
A.W. Gourlay
G.P.B. Grabowski
M.E. Grant
E.C. Grunsky
B.M. Hachkowski
R.S. Hall
D.R. Hawke
R.J. Hebda
R.J. Hebert
R.T. Henneberry
M.L. Hill
S.J. Hoffman
B.R. Horsfield
A.E. Howard
H. Josenhans
R.R. Keevil
D.R. Kennedy
B.W. Kyba
L.S. Lane
C.R. Larsen
D.A. Leckie
D.V. Lefebure
K.W. Livingstone
R.G. MacArthur
D.G. MacIntyre
N.W.D. Massey
G.F. McArthur
M. McClaren
D.A. McCombe
G.P. McLaren
M.E. McMechan
R.D. McMechan
D.T. Mehner
R.E. Meyers
R.F. Miller
R.J. Morris
R. Munroe
G. Nadon
D.L. Naldrett
R.V. Nicholson
P. Pacor
B.J. Paul
C.W.C. Payne
J.H. Perry
H.R.D. Powers
D.R. Prince
W.J.F. Quesnel
J.F. Reader
L.C. Reinertson
L.M. Riccio
G.M. Rodgers
A. Rouleau
J.K. Russell
P.D. Saunders
E. Sawitzky
U. Schmidt
T.G. Schroeter
D.R. Sharpe
A. Simard
G.G. Smith
L.R. Solkoski
M.R. St-Onge
A. Stanta
C.J. Stewart
I.C.F. Stewart
R.D. Stewart
J.J.J. Thibault
P.H. Thompson
L.E. Thorstad
M.R. Trudell
M.G. Truscott
J.A. Turner
D.G. Vanderveer
P.A. Wagner
S.D. Walker
L.C. Walkom
H. Wallace
P.L. Waters
J.J. Watkins
G.M. Werniuk
B.H. Whiting
D.M. Wightman
S.J.C. Wing
D.F. Wright
R.L. Wright
T.W. Wu

Resigned:
T.J. Barrett
S.M.A. Boutcher
K.M. Carter
A.G. Darling
G.M. Endlicher
I. Fay
E.B. Gillanders
N.W. Hendry
E. Hivon
J.A. Maxwell
A.D. Mutch
P.J. Rogers
W.S. Savage
R. Sereda
G.L. Steiner
R.D. Stevens
I. Theriault

Corporate Members Resigned:
Kidd Creek Mines Ltd.
Noranda Exploration Co. Ltd.

Deceased:
The Council of the Geological Association of Canada records with regret the names of the following deceased members:
S.W. Bachinski
G. Gilbert
H.A. Gorrell
H.I. Hall
P.E. Hopkins
E.D. Kindle
T.A. Link
G.G. Suffel
J.E. Thomson
H.S. Wilson

Medals and Awards

Logan Medal

For a quarter of a century, our Logan Medallist has been the acknowledged Canadian leader of those pioneers intent on discovering the secrets of the ocean floor.

After a distinguished university record in England, and commencing at Dalhousie in 1961, Michael J. Keen rapidly became our best known and one of our most productive marine geoscientists.

He has devoted much of the last dozen years to fighting for recognition of the national importance of the geosciences in general and the marine geosciences in particular.

The greatly enhanced image that our science now enjoys and the remarkable burgeoning in our offshore activities owes much to the insight, persistence and devotion of this colourful and peppery character.

Mike Keen's best known research was concerned with the deep crustal structure of the Appalachians, the structure of the continental margins and the nature of the ocean-continent transition.

Despite the technical difficulties experienced in those early days of marine seismic studies, he managed to collect reliable data which provided controls to plate tectonic speculations by relating deep crustal structure to near-surface geology.

Many of Mike Keen's interpretations have stood up remarkably well over the years and are still widely cited in a rapidly advancing field.

An exceptional teacher, Professor Keen is remembered with admiration and affection by a generation of Dalhousie graduates.

His postgraduate students and junior faculty colleagues, inspired by his leadership, made rapid reputations in a variety of marine subdisciplines ranging from sedimentology to seismic stratigraphy and deep-sea drilling.

Today they form the backbone of Canada's marine geoscience brigade.

Many years after leaving academia, Mike Keen is continually called upon as an external reviewer of geology and geophysics departments across the country.

Mike's first-class mind, avante-garde ideas, and unflagging energy, have made him a prominent leader in the national geoscience community.

His influential impact on NRC practice in the early 1970's led to changes that today make our science a recognized peer rather than a poor relation when NSERC grants are awarded.

A past-president of both the Geological Association of Canada and the Canadian Geophysical Union, he has played a large part in bringing geophysicists and geologists together to witness the benefits of co-operation and integration.

He encouraged women to become geoscientists almost from the day he began teaching at Dalhousie and women were first elected to GAC Council during his presidency.

He has served the Canadian Geoscience Council in many ways including his early chairmanship of its Advisory Committee to the Geological Survey of Canada which made many constructive recommendations for change.

As Director of the GSC's Atlantic Geoscience Centre since 1977, Mike Keen has introduced new morale and a new surge of activity that has seen AGC scientists move into a variety of significant and productive studies.

Increasingly, the Centre has provided advice on planning and policy matters at both the national and international levels.

His example, his persistence, his persuasiveness are behind the major decisions that led to Canada's full participation in the international Ocean Drilling Program — an investment that will lead to significant advancements in marine research and geoscientific understanding.

Canadian marine geoscience has flourished due to the excellent scientific achievements and aggressive leadership of Michael J. Keen.

Ambrose Medal

The J. Willis Ambrose Medal of the Geological Association of Canada was created in order to recognize "distinguished service to the earth sciences in Canada". It is named after the first president of our association. The year 1986 marks the first year in which it is being awarded.

Unlike the Logan and Past President's Medals, which are typically presented for sterling accomplishments in research, the Ambrose Medal is intended to recognize individuals who have expended enormous energies to advance earth science in Canada and who have been demonstrably effective in so doing, through accomplishments in one or more of a host of spheres of activity — teaching and education, research; administration and promotion; institutional, society or professional affairs.

The first winner, a man who embodies both the spirit and the specifics of the Ambrose Medal's terms of reference, is Ward Neale of the Memorial University of Newfoundland. Ward has been a tireless workhorse, an initiator of new ideas, and a critic and a sparkplug for the Canadian and international geoscience community for over three decades of his professional career. He has constantly promoted earth sciences as an individual, as well as through structured committees, and in being particularly self-effacing, he has promoted everything except himself.

As a teacher of earth sciences at Memorial University of Newfoundland he taught at all levels from first year to graduate courses, including field courses. He has given over 30 contributions on CBC and CTV and with Hugh Wynne Edwards written articles in *Geoscience Canada* on the need to restructure high school education in the sciences. In 1972 he produced the teaching manual (172 p) on "Lectures on Earth Sciences — with Newfoundland examples".

As a researcher, Ward Neale has made major contributions to regional geology. He served as Head of the Appalachian Section of the Geological Survey of Canada (1958-62) and later as Head of the Precambrian Shield Division (1967-68). As Head of Geology at Memorial University (1968-76) he continued his regional studies with renewed emphasis on the Appalachian Orogen. His *curriculum vitae* lists over 70 publications, most being research contributions. One may note his benchmark paper with John Rodgers (Amer. J. Sci., 1963) that initially proposed Taconic Klippen in western Newfoundland and his wider co-authored review articles on Appalachian stratigraphy, structure and ophiolites (e.g. Roy. Soc. Can., 1964; as co-editor of GAC Special Paper 4, 1967; GAC Special Paper 11, 1972; EPSL, 1979). Ward has extensive field experience throughout Atlantic Canada and the Precambrian Shield and has made extensive research contributions to Canadian geoscience.

In the area of education, Ward Neale continues to make major contributions as Vice-President (Academic) at Memorial University of Newfoundland. He has served on advisory committees to Queen's University, University of New Brunswick and the University of Saskatchewan. A landmark contribution was his review (with Jack Armstrong) of *Geology and Geophysics in Canadian Universities* for the Canadian Geoscience Council (GSC Paper 80-6, Part 1, 154 p.) which set a new standard for CGC status reports (that has not since been matched). He has served on several NSERC and NRC grant and advisory committees and as a member of Senate of the University of Calgary while at the ISPG.

In the area of institutional, society and professional affairs, Ward Neale has been a continual driving force. He has been a most active President of GAC (1972-73) and the Canadian Geoscience Council (1976); he has served as Chairman of the Earth Science Division of the Royal Society of Canada (1973-74) and in various capacities with CGF, GSA, CSPG, AGID, AESE, CIMM, SCITEC, APICS, NRC, and the Royal Society of London. A special talent in professional affairs has been as an editor — for example, Head of the GSC Geological Information Subdivision (1978-81), as Editor of the *Canadian Journal of Earth Sciences*, and as a key member of editorial boards for GAC, GSA, NRC and NSERC. He was instrumental in setting high standards and new formats in several of these positions. Also in professional affairs, he was ahead of his time in being an early activist for improving the status of women in science (e.g. GAC's Status of Women Committee 1973-78).

As a promotor of earth sciences Ward Neale is without equal. At every scientific meeting he can be seen introducing colleagues, testing ideas, urging recognition of young scientists, and representing groups that need better organization. He is not afraid to voice unpopular or impolitic views. Who else could have written all those stimulating articles in the Pyroclasts column of *Geoscience Canada* (and who else has done so since?)?

The unique aspect of Ward Neale is that he has not only been contributing significantly in all these areas but has done so in all of them simultaneously for most of his long professional career. His efforts have been recognized by various groups. He is a Fellow of the Royal Society of Canada and received its Bancroft Award in 1975. He was awarded the Queen's Jubilee Medal in 1977 and an Honorary LL.D. from the University of Calgary. The R.T. Bell Commemorative Medal was presented to him to 1979 and the GAC awarded him their Service Award in 1981.

Ward Neale has demonstrated an exceptional level of service, commitment, creative ideas and criticism. He has done so with unbounded energy, enthusiasm and humour. His influence on individuals and institutions has been profound and long-lasting. It is with admiration and gratitude that we honour the first winner of the J. Willis Ambrose Medal — E.R. Ward Neale.

Past President's Medal

The recipient of the Past President's Medal of the GAC for 1986 is Dr. Brian Fryer of the Department of Earth Sciences, Memorial University of Newfoundland. Dr. Fryer received the award from Denis St-Onge at the GAC Luncheon on Monday May 19, 1986.

Dr. Brian Fryer has made major contributions to the Earth Sciences, starting as a graduate student investigating banded-iron formations and early Earth history. By using the rare earths, in particular the oxidation states of europium and cerium, in iron formations, he was able to place constraints on the oxidation state of the Precambrian atmosphere. In order to do this, he displayed a particular genius in developing new analytical techniques to determine concentration of rare earths, by means of ion exchange separation and X-ray fluorescence analysis. This has spawned many important rare earth studies which would not otherwise have been possible, illustrating the extra dimension resulting from Fryer's own research. More importantly, the understanding of rare earths geochemistry resulting from such research has ultimately led to the dating technique for which alone he merits the Past President's Medal.

While at the University of Western Ontario, Fryer and colleagues formulated a hypothesis for the origin of Archean gold deposits of the Canadian Shield, which has since been in the forefront of thinking on these deposits, referred to in all papers on the subject, and routinely used as an exploration model by industry. Again, while doing this geological research, Fryer and Kerrich also developed yet another elegant method of analysing rocks. In this case it was for the rapid, reliable and cheap method for determination of extremely low concentrations of gold, using sophisticated chemical separations in combination with flameless atomic absorption spectrophotometry.

Having made major contributions to the study of ore deposits (iron formations and gold), and two advances in methods of geochemical analysis, Fryer turned his attention to other questions in Labrador. With colleague Dr. Ken Collerson, he developed a model to explain many of the features of Archean crust (of Labrador and elsewhere) as resulting from the action of fluid migration during degassing of the early Earth. With workers at Newfoundland Department of Mines and Energy he demonstrated the 1700 million year age of the "Trans-Labrador Batholith". With R.P. Taylor and D.F. Strong, he has shown the importance of volatiles in the evolution of peralkaline granites and rhyolites.

The *pièce de résistance* for which he was nominated is his paper (with R.P. Taylor) in *Geology* (v. 12, no. 8, p. 479-482, 1984) on the direct dating of mineral deposits (uranium in this first paper) by the Nd/Sm method. This was a direct outgrowth of his research on the rare earths in mineral deposits, which showed that there are dramatic differences in the behaviour of different rare earths, particularly Nd and Sm, during mineral deposition. This different behaviour resets the radiometric clock and allows not only for direct dating, but also provides a sophisticated method of identifying the source from which the mineralization was derived.

In conclusion it should be emphasized that Fryer's talents are formidable and his accomplishments are profound, yet his energy and enthusiasm are such that one still has the feeling that he is just beginning! By awarding Fryer the Past President's Medal, the GAC will acknowledge a scientist of outstanding accomplishment, and demonstrate its perception in recognition of a real "star" of scientific research which will rise even higher in the east!

Duncan R. Derry Medal

The Duncan R. Derry Medal is awarded annually by the Mineral Deposits Division of the GAC to a Canadian geoscientist who has made major contributions to the field of economic geology. Candidates are recognized by their skill and stature as professional economic geologists.

Generally, their contributions will represent both the practical and academic aspects of this discipline, and suitable candidates can be nominated on the basis of their achievements as explorationists and researchers, and their public contributions to the science.

This year's recipient, Professor R.W. Hodder of the University of Western Ontario, continues to pursue an outstanding career in his field. As a consultant to Industry and as a teacher, advisor and administrator in the academic sphere, Bob has earned the respect of all who have been associated with him.

Born in Ottawa, he began his university education at Carleton in a general science program. A summer of timber cruising on the McKenzie River compelled him to switch into the Queen's University geology program. He went on to receive a doctorate from the University of California at Berkeley, in 1959, completing a study of alkaline rocks and niobium mineralization in the Namegos Complex of northern Ontario. This was later published as GSC Bulletin #70.

For the next 12 years, Bob operated as an exploration geologist for Amax and Callahan Mining Corporation in Canada, the United States and Peru.

As Callahan's exploration manager and later vice-president, he was involved to varying degrees in work that led to the discovery of several significant ore deposits in the US, including:

- the Candelaria and Delamar silver deposits in Nevada and Idaho;
- the Cofer massive sulphide zinc deposit in Virginia; and
- the Penobscot and Bald Mountain polymetallic massive sulphide deposits in Maine.

Since joining the faculty of the University of Western Ontario in 1970, Bob has continued to act as an exploration consultant and has passed his expertise on to a large and growing number of graduate and undergraduate students, many of whom have developed into top-notch mineral deposits geologists in their own right.

His academic career continues to be tirelessly devoted to teaching and research, geared toward imparting a better understanding of a wide variety of ore deposits and their generative processes. He has authored or co-authored over two dozen publications related to this work.

Bob has served and continues to serve on a multitude of committees related to the SEG, CIM and GAC and, despite a heavy administrative workload as chairman of the geology department at Western, he continues to teach and remains approachable by all.

He maintains close ties with Industry and still finds the time to organize one or more mineral deposits related field trips each year to some exotic location.

Bob is an extremely humble man and professes to be quite embarrassed by this award. He has spent a lot of time on the giving, rather than the receiving end for various other forms of recognition.

MDD is pleased to make this award to Dr. Hodder as a most worthy recipient, and we wish him continuing success in the future.

Headquarters News

Dr. A.R. Berger (Executive Director), Maureen Penney (Associate Secretary-Treasurer) and Karen Johnston (our new Assistant Secretary-Treasurer) were joined by Rita Patterson for 6 months as the Executive Director's membership and publication drive got into full swing. Under the direction of Maureen Penney, the business activities of the Association are now all handled by computer and headquarters itself maintains records of all publication sales and holdings. The transfer of the ledger system to the computer has been a trememdous undertaking and Maureen is to be congratulated on her success.

The Executive Director has continued to work to increase awareness of the Association. His efforts in increasing income from advertising for example, are visible to all who read *Geoscience Canada*. Tony has been the focal point of new initiatives within the Association this year and has successfully taken GAC, through its mobile display, to a number of the larger geoscience meetings in North America. This position is still supported by grants from the Department of Energy, Mines and Resources, Ottawa; the Government of Newfoundland and Labrador, and the Government of Ontario. Their contributions are gratefully acknowledged. Tony will unfortunately be leaving St. John's in September 1986, as his responsibilities increase in Ottawa, and a committee, under the direction of Denis St-Onge, is reviewing the position with a view to employing a new Executive Director, possibly on a full-time basis.

One of the major results of the Executive Director's efforts has been an increase in overall membership. The figures reported in this document are membership statistics at the time of writing. It has become clear, through looking at past statistics, that the Association might expect a considerable proportion of the presently non-paid up members to submit their annual fees in the next few weeks, thus raising the total membership for 1986 to over the 3000 mark, a fact that will, no doubt, please Alan Morgan. As an indication of this, the 1985 May Secretary-Treasurer's Report figures are compared with 1985 year-end figures below:

	May 1985	Dec. 1985
Honorary Fellows	4	4
Life Fellows	5	5
Retired Fellows	77	76
Fellows	1709	2023
Associates	546	462
Student-Associates	273	361
Corporate Members	66	76
	2680	3037

It is to be hoped that the increase in membership might be matched by an increase in publication sales, likewise due to the Executive Director's initiative in producing numerous publication flyers, etc.

It would perhaps be beneficial to the membership to briefly review, at this stage, the operations and responsibilities of headquarters' staff:

The **Secretary-Treasurer** of the Association is an elected member of the Executive and Council and essentially is thus a volunteer position. The Secretary-Treasurer is directly responsible to Council for the day-to-day running of headquarters, is the headquarters representative on the Executive, and acts as the director to whom headquarters staff are responsible. Headquarters staff, who are paid employees of the Association, at present include an Associate Secretary-Treasurer (M. Penney), an Assistant Secretary-Treasurer (K. Johnston) and a Secretary/Stenographer (R. Patterson). In addition to these full-time employees, the Association employs a one-third time Executive Director (A.R. Berger) whose position is at the present time grant supported.

The Secretary-Treasurer has delegated the procedures for Headquarter's operation as follows, but maintains overall responsibility:

A) **Executive Director.** The Executive Director is an ex-officio member of the Executive and Council. The Executive-Director co-ordinates many of the membership services of the Association, acting in close co-operation with the Publications, Program and Membership Committees especially. The Executive Director has taken on the specific task of promoting the Association through its publications and other services and maintains and co-ordinates our links with sister organizations both in Canada and abroad. While the Executive Director is operating in St. John's, the Secretary/Stenographer works essentially on his behalf but under the direction of the Associate Secretary-Treasurer. Responsibilities that are not clearly those of other members of the permanent headquarter's staff are delegated from time to time to the Executive Director at the discretion of the Secretary-Treasurer. Thus, for answers to questions not directly related to day-to-day membership or fiscal services, either the Secretary-Treasurer or the Executive Director are best contacted.

B) **The Associate Secretary-Treasurer.** The Associate Secretary-Treasurer works under the direction of the Secretary-Treasurer and is responsible for all fiscal aspects of GAC. As such, she receives recommendations from the Finance Committee of the Association but also acts independently on a day-to-day basis in the handling of GAC finances. Much of the book work has now been placed on computer files and a number of programs written over the last two years have resulted in significant facilitation of the Associate Secretary-Treasurer's tasks.

The Associate Secretary-Treasurer is responsible for bank transactions, preparation of financial statements and audits, receipt and remittance of invoices, payment of bills, and maintenance of financial records. The Associate Secretary-Treasurer is the senior member of the full-time office staff and is responsible to the Secretary-Treasurer for day-to-day running of the office.

C) **The Assistant Secretary-Treasurer.** The Assistant Secretary-Treasurer works under the direction of the Associate Secretary-Treasurer. She is responsible for general office organization including telephone and mail handling (approximately 20 enquiries a day are handled on average), answering general correspondence, dealing with membership applications, taking of and production of Executive and Council minutes, typing and word processing, setting up formats for flyers, publications lists, etc., filing, and so on.

D) **The Secretary/Stenographer.** The Secretary/Stenographer works closely with the Assistant Secretary-Treasurer. She is responsible on a day-to-day basis for the maintenance, upkeep and operation of the computer files. She therefore works on behalf of the Associate Secretary-Treasurer on membership files. In addition she works essentially as a secretary to the Executive Director when he is in St. John's, but is at all times responsible to the Associate Secretary-Treasurer.

Finances

The audited financial statement for 1985 was prepared by Doane Raymond who remain the Association's auditors, and was sent to all Fellows during March of 1986. The Council projected a balanced budget for 1985. The balance sheet shows assets of $231,918 representing a members' equity surplus of $145,513 and liabilities of $86,405. The members' equity surplus shows an increase of $26,736 over 1984. Expenditures on members' services increased from $154,575 in 1984 to $198,932 in 1985 and was offset by an income of $203,390 from all sources except publications The net income from publications was $22,278 (i.e. 80% of 1985 income over expenditures). Clearly, the Association relies heavily upon its publications to realize a year-end capital surplus to fund new projects. However, grants for publications amount to some 25% costs; this year the sum of $57,990 was received as publication grants.

Assets, in the form of publications held in stock for future sale, are not recorded in the financial statement, but amount to approximately $144,800 at cost and $394,600 if sold at market value.

It has been indicated to Council that the cost to the Association of *CJES* is to increase by 26% next year. Clearly this affects the membership services expenditures and offsets to a large extent the increase in dues made this year. The Publication Committee Chairman is writing to indicate surprise and dissatisfaction with the proposed increase, but it is likely that the increase will have to be accepted by the membership.

Committees to Council

The following committees report to Council: Finance, Publications, Program, Special Projects, Public Information, Howard Street Robinson, Education, Professional Affairs, Logan Geological Foundation, Membership Review, Membership Drive, Long-term Planning, Logan, Ambrose and Past President's Medal committees.

The **Finance Committee** is chaired by John Hamilton. A major activity of the Committee was to advise on conversion of assets held in US $ denominated instruments into Canadian $ denominated obligations, it held over 90% of its cash reserves in US $. Hence the Association was, *de facto*, speculating in foreign currency. This was regarded as an inappropriate financial posture for the Association. In addition, Canadian instruments bear higher interest rates. On a related matter, assets in the Howard Street Robinson Fund portfolio were about 75% in US $ denominated instruments, as originally bequeathed, and were similarly realigned.

A 20-year review of GAC's membership dues structure was undertaken, as input to a review of this matter by Executive and Council. Review was deemed appropriate because the Association had experienced a sizeable net loss in 1984 and members' publications cost more than members' dues. Council adopted a dues rise, of somewhat less than inflation since the previous one in 1981.

Financial aspects of publications activity received close attention by the Finance Committee. This is normal, and reflects the high impact of publications activity on GAC finances.

The Finance Committee advised on acquisition of liability insurance covering the Association, its Sections and Divisions. Satisfactory insurance was in place at year-end.

The **Publications Committee** oversees the production of *Geoscience Canada*, *GEOLOG*, GAC Special Papers and other publications of the Association. It also advises the Editorial Board of the *Canadian Journal of Earth Sciences*.

Godfrey Nowlan (Geological Survey of Canada) replaced John Kramers (Alberta Geological Survey) as Chairman of the Publications Committee in May 1985.

Geoscience Canada has appeared regularly under the editorship of Andrew Miall. Monica Gaiswinkler Easton replaced Naomi Frankel as Managing Editor in May 1985; two issues were produced by each Managing Editor. Revenue from advertising exceeded expectations in 1985 as a result of the promotional efforts of the Executive Director and the new Managing Editor.

Facies Models, Geoscience Canada Reprint Series No. 1, which was revised and reprinted in 1984 had sold all 10,000 copies by the end of 1985. Reprinting is under way. *Dating Methods of Pleistocene Deposits and Their Problems*, Geoscience Canada Reprint Series No. 2, was released in March 1985. Other special series are still under preparation: those on Ore Deposit Models and Diagenesis will be wrapped up in 1986; the first articles in the series on Paleontology will appear in the June 1986 issue.

The Association newsletter, *GEOLOG*, was published quarterly in 1985 under maroon covers. The first two issues were produced under the editorship of Godfrey Nowlan, who resigned in May 1985 to take over as Chairman of the Publications Committee. The second two issues were produced under the co-editorship of Michael and Monica Easton (Ontario Geological Survey).

The *Canadian Journal of Earth Sciences* remains the principal journal adopted by the Association.

Four Special Papers appeared in 1985:

- Special Paper 27, *Jurassic-Cretaceous Biochronology and Paleogeography of North America*, edited by Gerd Westermann; released early in 1985.
- Special Paper 28, *Evolution of Archean Supracrustal Sequences*, edited by Lorne Ayres, Phil Thurston, Ken Card and Werner Weber; published in June 1985.
- Special Paper 29, *The Carswell Structure Uranium Deposits, Saskatchewan*, edited by Roger Lainé, Daniel Alonso and Margaret Svab; was released in May 1985.
- Special Paper 30, *Quaternary Evolution of the Great Lakes*, edited by Paul Karrow and Parker Calkin, went to press in December 1985, but appeared early in 1986.

During the year, considerable effort was put into an assessment of the sales records of Special Papers 13 through 29. Figures on production costs and revenues were tabulated for each volume. On the basis of these figures, a new pricing policy has been adopted to allow for breaking even after about 12 months (based on sales of 50% of volumes available after free distribution to corporate members, editors, authors and reviewers). Plans are also under way for a revision of editing procedures with the object of reducing costs and publication time.

The Executive Director has overseen the production of flyers advertising current and forthcoming publications. A comprehensive list of all available publications of the Association has also been compiled. A new form *"We are pleased to present you with this book for review"* has been designed and is now in use for review copies of Special Papers.

The **Program Committee.** The year began with Program Committee activities under the chairmanship of Bill Ryan. By year's end, the chairmanship had been passed by transition to Frank Blackwood. The Fredericton'85 GAC-MAC Annual Meeting was a splendid success from virtually every point of view — technical/scientific, logistic, social and financial. The work of the Program Committee in facilitating the planning and conduct of Annual Meetings was very greatly aided by the carefully documented observations and insights recorded by the Fredericton Local Organizing Committee in their excellent Final Report. One note of particular interest regarding Fredericton'85 was the decision by the Local Organizing Committee to use their share of proceeds from the Annual Meeting to establish a scholarship fund in support of geology students at the University of New Brunswick. Total capital in the fund is $10,000. The Program Committee expended considerable efforts in examining ways to enhance the quality of technical presentations at Annual Meetings. Items under review include guidelines for making the abstract review process more rigorous, detailed definition of the duties of Session Chairmen, speaker's kits on slide preparation and oral presentation, and mechanisms for providing constructive feedback to speakers. Perhaps the single most noteworthy accomplishment of the Program Committee in the past year has been the complete revision of the Guide to Organizing the GAC-MAC Annual Meetings. On the basis of concerted effort and input from numerous officials in both GAC and MAC, the new Guide is now at the final draft stage. It is hoped that concluding ratification of the document can take place during meetings at the time of the Ottawa'86 Annual Meeting. The first GAC Summer Field Conference at Yellowknife has now reached advanced planning stages. Deferred from the summer of 1986, it is now scheduled to take place during the first week of September 1987. National Lecture Tour programs involving Past President's medallists Rolf Ludvigsen and Derek York were concentrated in the early months of 1986. Both National Lecturers will complete their tour programs before the spring of 1987.

The **Special Projects Committee** has continued to work with the Atlantic Geoscience Society on the AGS Video documentaries. The AGS Video Committee has received funding totalling $145,000 and will complete production of the first video documentary "The Mineral Wealth of Atlantic Canada" in October 1986. The second documentary "The Appalachian Story" should also be completed by December 1986. A slide show "Palynology" is nearing completion and a Regional Lithostratigraphic Data Base for Atlantic Canada has been developed for distribution on floppy discs to any interested persons. Several other special projects including local field trips and GAC rings, tiepins, etc. are under discussion.

The **Public Information Committee.** A GAC-CGU display was designed and included in the Fall AGU meeting in San Francisco and plans were made for press coverage for the GAC-MAC Annual Meeting in Ottawa. As part of his final report, the outgoing chairman, Robin Riddihough, made the following comment: "...it seems unlikely that any major strides will be made in the direction of raising the public profile of geoscience and the GAC without the employment of professional, or at least, full-time staff

devoted to the job". It seems that in many ways GAC might have reached its limits of growth based purely on volunteer, part-time efforts.

The **Howard Street Robinson Committee.** The first H.S. Robinson Lecture tour by Dr. J.G. Thurlow was a total success. This success clearly documents the quality of the speaker selected by the Mineral Deposits Division and the need for the Lectureship. Three grants were awarded in 1985, one of which was not used. The Newfoundland Section of GAC, arranged alternate financing for their meeting and did not require the $1,000 grant. A total of $7,000 was dispersed as seed money in 1985 with an additional $4,000 approved for 1986.

The **Education Committee.** The composition of the committee changed nominally in the latter part of the year with Charles Bruce taking over from Fred Longstaffe as acting chairman, and a significant organizational step has been taken with the preparation of terms of reference. Fostering interest and furthering understanding in the earth sciences with a focus on geology is the major purpose of the committee. The committee hopes to expand its activities at the high school level. Two specific examples of support at the school level are support of the Space Update 1986 Conference in Burnaby (organized by the BC Science Teachers Association) and the Canada-Wide Science Fair in Calgary (under the auspices of Youth Sciences Foundation). Both events take place in May. GAC members at large continue to assist in running EdGEO workshops. At the university level, GAC continues to make student awards to top performers. The committee has considered a parallel to the CSPG Annual Student Industry Field Trip, which is centered in the Calgary area and provides a window on the petroleum industry to students from across Canada. Estimated annual costs in the $35-$40,000 range have moved this to the back burner. Acting on the seed of an idea from Tony Berger, the committee is gathering information on the concept of research conferences or symposia. An organizational handbook will shortly be available to those interested in putting a symposium in place. The winner of the APICS Best Scientific Paper award for 1985 was Collette Rennie of Antigonish, Nova Scotia. She was presented with a copy of Special Paper #28, *Evolution of Archean Supracrustal Sequences.*

The **Professional Affairs Committee** is under the chairmanship of Bob Hewton. Committee members have been actively incorporating changes suggested by Council members into the questionnaire proposed for circulation to membership. Surprisingly, despite the amount of discussion generated by national accreditation or national professional registration, the response from Council members was sparse. Only a few members responded. Virtually all responses emphasized that a clear definition of terminology was mandatory before any questionnaire could be circulated. Concise descriptions have been prepared and will be inserted at the beginning. In addition, a third concept that may be satisfactory to most members has been considered and has been incorporated into the questionnaire, that of certification. A definition will also be included. The future of the Professional Affairs Committee will be largely dependent upon response from GAC membership to the questionnaire and Council's interpretation of that response. The committee has suggested to Council the possibility of setting up a certified body of Professional Geoscientists. This is a complex problem but the advantage of such a certified body is that if universally accepted it would allow province to province mobility of geologists working in industry and would satisfy the requests of many members. Provincial bodies should be placated because with the backing of GAC and a proper emphasis on the attributes the provinces require, a general level of education and experience will be maintained. The GAC will benefit in that it will be fulfilling a need of a large number of members, it will attract many new members and the additional income from the certified group will increase cash flow of the organization and hopefully provide additional funds for other endeavours.

The **Logan Geological Foundation Committee** has been in the process of formation for some time, but significant progress has recently been made toward establishing it as a legal entity. Late last fall, the proposed by-laws were submitted to the Minister of Consumer & Corporate Affairs as part of the application under Section 65 of the Canada Corporations Act. It was pleasing to receive official approval of the Letters Patent on 1 January 1986, and have them recorded by CCA on 10 February 1986. The next, and final step in the process is to have the LGF registered as a charity under the Income Tax Act. Explanation of some of the mechanics of achieving the objects of the LGF were requested by Revenue Canada, and these have recently been forwarded to their office for approval.

The main objects of the Corporation are as listed below:

a) to promote, assist and engage in, educational work throughout Canada, that is to say:

i) to award scholarships, bursaries or prizes to enable interested persons to pursue the science of the study of the earth and closely related fields;

ii) to establish and maintain a library or collection of books, other publications, drawings, maps, and other material relating to the science of the study of the earth and closely related fields to be used to educate and promote education in the science of the study of the earth;

iii) to further knowledge in the science of the study of the earth and closely related fields by publishing and promoting the publishing of treatises relating to the study of the earth;

iv) to collect, assess and disseminate to interested persons throughout Canada information relating to the science of the study of the earth and closely related fields with a view to educating and promoting the education of such persons;

v) to hold and participate in meetings, conferences, seminars, symposiaand exhibitions and otherwise promote and encourage education in the science of the study of the earth and closely related fields.

The first object of the new Board of Directors and Members will be to establish a financial goal and to establish a time frame and list of prospective contributors from among the financial, geoscience, mining and petroleum communities. As in the case of all other charitable organizations, contributions to the LGF are fully deductible for the purposes of the Income Tax Act. While no official financial target has been established, it should be recalled that only the investment proceeds from the capital assets of the LGF may be used to provide awards, prizes, or support of meetings, symposia, etc. Although the LGF is in its early formational stages, with your support, as well as those of your employers and colleagues, this worthy endeavour will move a long way toward supporting the advancement of geoscience in Canada.

Long-term Planning Committee. Late in the year a new committee under the chairmanship of Vice-President-elect Gerry Middleton, was set up to produce long-term plans for the Association. It will report regularly to Council. Clearly this committee is one of the most important that Council refers to in light of the increasing burden being placed on voluntary efforts to run an Association of over 3000 members.

Divisions, Sections and Affiliated Societies

A number of Divisions and Sections and Affiliated Societies have acted upon the invitation given to all by Grant Mossop to attend Council Meetings. Grant Mossop and Tony Berger have encouraged closer contact between Sections and Divisions and the parent body, and summaries of activities and annual financial statements are now received from most. Present membership of divisions stands as follows:

Canadian Geophysical Union	375
Environmental Earth Sciences	100
Mineral Deposits	745
Cdn. Sedimentology Research Group	118
Paleontology	101
Precambrian	238
Structural Geology and Tectonics	187
Volcanology	204

A recent addition is the formation of a Marine Geosciences Division which, with the present activity in offshore exploration and the Ocean Drilling Program of which Canada is a full

partner, intends to be a division with which many members will be affiliated. Memorial University is leading the efforts to get this Division into full-swing. Some highlights from Divisional activities have been:

Canadian Geophysical Union. The J. Tuzo Wilson Medal was awarded to Harry O. Seigel in recognition of his leadership over many years in mineral exploration, geophysics and geophysical instrumentation. A successful full-scale display was mounted at the fall meeting of the AGU in San Francisco.

Mineral Deposits Division. The division reports good sales on the joint CIM-MDD Hemlo area guidebook. A Yellowknife area guidebook should be available for review later this year. The Ore Deposits Models reprint series is completed and will soon be published as a reprint. A very successful field trip to examine skarn deposits in Central Mexico was held in February 1986; trips are planned to Brazil, Portugal and New Zealand. The Robinson Guest Lecturer, Geoff Thurlow, had a highly successful Western Canada tour and is touring Eastern Canada at the time of writing. The Duncan R. Derry Medal was awarded to Dr. R.W. Hodder.

Canadian Sedimentology Research Group. In October 1985, CSRG was formally admitted as a division of GAC. Ideas on the future status of CSRG are still under debate, but the division has an ambitious scientific program including involvement in symposia until 1989 already planned. In October, 1985 a CSRG field trip to the Whirlpool Sandstone was held. The CSRG Newsletter appears regularly (#8 in March 1986).

Precambrian Division. A Newsletter has been circulated to the membership of the Precambrian Division (240 on mailing list; paid-up members considerably less). The principal aim of the Newsletter is to solicit ideas on activities and services that might be developed as a means of increasing the effectiveness of the Division, and in turn, reviving the paid-up membership. The Newsletter also encourages attendance at the meeting of the Division in Ottawa (during the annual GAC-MAC meeting). Among the questions to be considered: level of interest in a periodic compilation of publications and research projects relevant to the Precambrian; interest in creation of a data bank on information related to university and institutional exchanges; Precambrian IGCP projects; listing of university field trips and summer field projects to which field trips could be readily appended. A candidate for the 1986-87 Howard Street Robinson Visiting Lectureship has been forwarded to the H.S. Robinson Fund Committee.

Structural Geology and Tectonics Division. The SG&T Division "Best Paper" prize was awarded to Larry Lane for his paper "Brittle deformation in the Columbia River fault zone near Revelstoke, southeastern British Columbia" (*CJES*, v. 21, p. 584-598) at the GAC Annual Meeting in Fredericton, 15 May 1985. The annual meeting of the Canadian Tectonics Group organized by Chris Mawer, Paul Williams and Jack Henderson was held 8-10 November 1985 in Nova Scotia with a technical session to update members on current research activities within this community of structuralists, and a field trip to the northeastern Meguma zone led by Duncan Keppie and Jack Henderson. A conference summary will appear in *Geoscience Canada*. John Dixon convened the 12th Annual Cordilleran Tectonics workshop at Queen's University, 14-16 February 1986. Seventy-two registrants participated in the workshop. A list of topics and authors will appear in the next newsletter of the SG&T Division in early June.

Volcanology Division. In January, 1986, the Volcanology Division held a 12-day trip to the Trans-Mexican Volcanic Belt. The trip started from Mexico City and travelled through the volcanic range to end at the Pacific Coast. The participants included eleven Canadians and the same number of Mexican geologists so that there was a good opportunity for the Volcanology Division members to get to know some local scientists. The leaders were Dr. G. Sanchez-Rubio of the National University of Mexico, Guanajuato and Dr. S. Nelson from Tulane University who ran the field trip as a seminar and wrote the field guide, which is currently being edited by Walter Gibbins for publication in a final version this spring. Seed money for the guide was obtained from the Canadian Geoscience Foundation, and three companies, Falconbridge, Lacana and Highwood Resources have contributed funds to bring the field trip leaders to the GAC-MAC Annual Meeting in Ottawa in May, 1986. At the Ottawa Annual Meeting, the Volcanology Division presented for the first time, an award for the best thesis on volcanology. The award is named in honour of the late past Chairman of the Volcanology Division, Leopold Gélinas, and will be presented annually for the best MSc or PhD thesis written by a Canadian or at a Canadian University. A major event this year was the revival of the Volcanology Division newsletter, *Ashfall*. The newsletter is being published semi-annually to keep the members up-to-date on news, activities and future plans. In addition, the research activities of the Volcanology Division members have been summarized in a report compiled by Ray Goldie to be published in the *Canadian Geophysical Bulletin*. Thirty-five reports on research programs for 1985 were submitted from sixteen institutions.

Most Sections and Divisions are alive and well, but this does not apply to all.

The Sections are the most "intimate" of GAC units where regional and thematic subjects are discussed amongst colleagues who meet more regularly than at annual meetings.

The **Cordilleran Section** has a membership of 500 and runs a lecture series, joint luncheons with the Mineral Exploration Group, Short Courses, the Charlie Ney lectureship; maintains association with the Cordilleran Section of GSA — e.g. through GEOEXPO'86; runs a geological education program, etc. Bob Anderson, the Section President, records that "the Cordilleran Section has enjoyed a very active and successful year having reached large numbers of professionals in the mineral exploration, university, and government geological and primary and secondary school environments. Most of the credit belongs to the Section's hard-working executive who made it happen. These volunteers' dedication to and enthusiasm for Cordilleran Section activities are arguably the best grassroots advertisement for the worth of the GAC as a whole."

The **Edmonton Geological Society** has run its Visiting Speakers Series most successfully once again. Attendance varied between 20-40 for each luncheon talk, of which there were seven in all. An annual banquet was held on April 6th at which Dr. P. Cruise addressed the gathering on "Dinosaurs and their influence on the development of Museums".

The **Newfoundland Section** within the past year sponsored a host of functions with an appropriate balance of social and technical activities. The social calendar began 4 May 1985 with the Lobster-Do held in conjunction with the Avalon Section of the Canadian Institute of Mining and Metallurgy. The event was well attended and a great success. On 22 September 1985, the traditional Logan Day was held in Pippy Park. Sporting events included a soccer match and an introduction, for most, to the game of Tiddly. A barbecue held in the evening brought the event to a close. Winterfest was held in Pippy Park this year on 15 February 1986. Outdoor activities were followed by a dinner and dance catered by the Alexander Murray Geology Club. The first event on the technical calendar was the fall field trip to Notre Dame Bay from 4-6 October 1985. The trip emphasized Dunnage Zone stratigraphy and metallogeny. A plethora of stops ensured something for all interests within the group. Twelve undergraduate students from Memorial were sponsored by the local section, mining companies, and the Department of Earth Sciences to attend this event. The annual meeting was held 20-21 March with "Isotopes" as the theme of the technical section. The program included four visiting speakers (R. Kerrich, D.J. Kontak, U. Shrarer and G. Dunning) as well as local workers from Memorial University, GSC and the Newfoundland Department of Mines and Energy. Brian Jones, this year's CSPG Distinguished Lecturer, was also on hand to introduce us to "Ancient and Modern carbonate platforms, Grand Cayman Island". The Spring business meeting was held at this time and saw the election of the new executive for the 1986-87 year. The Newfoundland Section also continued work on its yearly

projects. One issue of *Melange* was published under the editorial skills of Bruce Ryan. Volume 8-1 of the *Newfoundland Journal of Geological Education* was released in February 1985. Volume 9-1 is now at the printers and is expected to be available in April 1986. The GAC Newfoundland Scholarship, of $500, was awarded this year to Sharon Scott, a third-year geology-geography student at MUN. The Road Map Committee headed by John Gale (MUN) has prepared a hand coloured mock-up of the highway map which was available for viewing in February of this year. The process of preparing information panels to accompany this map is underway.

The **Pacific Section** held Logan Day on September 22; a Fall Field Trip to the Pacific Ruin Complex, Wrangellia Terrain and Kennedy River Gold Belt; a curling bonspiel; a spring symposium on "The Juan de Fuca Ridge System"; and a number of Guest lecturers.

The **Winnipeg Section** held a full session of guest lectures under their program chairman Bill Last. A pig-roast opened the season in the fall. EdGEO will continue for its 14th year and there are rumours of an Ed-ARCHEO for Archeologists. A geological road map for the province of Manitoba is planned for completion within a year or so.

Affiliated societies, the **Atlantic Geoscience Society**, **Canadian Quaternary Association (CANQUA)**, and the **Toronto Geological Discussion Group** maintain a close association with GAC and often report through the pages of *GEOLOG*. All maintain regular series of lectures and talks, and have sent representatives to GAC Council meetings.

Some Final Comments

In the trial two-year period, the position of professional Executive Director has undoubtedly proved very successful. The Association relies heavily on its Headquarters staff and my thanks go to Maureen Penney, Karen Johnston, Rita Patterson and especially Tony Berger. It would be very difficult to operate in the future without such a professional group and indeed it may be that the Executive Director's position should be made a full-time one.

In the life of every growing Association there comes a point where it must decide how much can be achieved by volunteer staff effort alone, whether or not to maintain a permanent residence for Headquarters, whether to print its own publications, etc. With membership of the Association hovering around 3000 and with a modestly growing publication output, it may be that GAC has reached that stage. Perhaps we should start to think very seriously not only "where do we go from here?" but "how are we going to do it?"

Respectfully submitted,

John Malpas
Secretary-Treasurer
St. John's, May 1986

Positions Available

Geological Association of Canada

GAC | AGC

Executive Director

Applications are invited for the position of Executive Director, Geological Association of Canada. The position is the most senior of the Association's staff appointments. It carries responsibility for co-ordinating and managing myriad aspects of GAC's national and international programs. Specific duties include: implementing programs to increase membership in the Association; maintaining and enhancing membership services; co-ordinating the promotion and sales of Association publications; facilitating communications and co-operation amongst the various Sections, Divisions and Committees of the GAC; forging mutually supportive links with other geoscientific societies in Canada and abroad; and generally managing the implementation of those initiatives that simply cannot be expedited by the volunteer officials of the Association. The Executive Director is accountable through the elected Officers of the Association to the Executive Committee and the Council of GAC.

It is expected that the successful candidate will be a qualified geologist, with considerable knowledge of Canadian geoscientific endeavour and of the infrastructure of geoscience administration in this country. Experience in publications production and distribution, conference organization, national and international liaison, and management of society affairs will be considered as distinct assets.

To date, the GAC Executive Director has been a ⅓-time position, based at Association headquarters in St. John's, Newfoundland. The Association intends to fill the existing vacancy at the level of ½- to ⅔-time, with scope to move to full-time in the next two to four years. Preference will be given to Canadians living in or willing to relocate to St. John's, but alternative arrangements will be considered - perhaps involving a remote location, linked electronically to headquarters, with some reasonable commuting. Salary will be commensurate with qualifications, experience, and contingencies regarding location.

Please send applications, with a complete resumé, and a brief statement of aspirations for the job, to:

Dr. Grant Mossop
President
Geological Association of Canada
c/o Alberta Research Council
P.O. Box 8330, Postal Station F
Edmonton, Alberta T6H 5X2

Enquiries for additional information or clarification are welcome:
(403) 438-0555