

Secretary's Report: May 1981

Alan V. Morgan

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Secretary's Report May 1981

Membership

Membership of the Geological Association
as of April 25, 1981 is:

Honorary Fellows	6
Life Fellows	5
Retired Fellows	62
Fellows	1,630
Associates	822
	<hr/>
	2,525
Corporate Members	74
	<hr/>
	2,599

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

Newfoundland	80
Nova Scotia	83
New Brunswick	42
Quebec	260
Ontario	921
Manitoba	46
Saskatchewan	88
Alberta	376
British Columbia	393
NWT and Yukon	31
Prince Edward Island	-
United States	171
Australia/New Zealand	18
South and Central America	10
Africa and Asia	20
Europe	60

The 193 members elected since May 20, 1980 are as follows:

Fellows:

J.W. Allison	C. Dearin
P. Ascoli	O.A. Dixon
F.D. Ball	D.J. Duntlop
J.V. Barrie	A. Duquette
R. Basnett	T. Feininger
D.R. Bell	S.V. Forgeron
M.A. Berube	D.A.G. Forsyth
R.C. Boehner	J.A.C. Fortescue
R.T. Boyd	M.S.C. Fox
C. Byrne	B.J. Fryer
I.H. Campbell	M.V.S. Ghandikota
D.J.T. Carson	J.E. Gibb
M.W. Carter	A.K. Gibbs
V.E. Chamberlain	R. Gilbert
J.M. Charbonneau	R.L. Hall
M.A. Chenier	R.F. Hassard
M. Cormier	T.E.G. Hawkins
R.D. Cruickshank	P. Hum
A.L. Currie	A.D. Hunter
L.W. Curtis	G.P. Isenor
D.D. Davidson	L.E. Jackson

W.L. Johnson
I. Kennedy
B.Y. Kim
R.H. King
E.J. Klein
R.M. Kuehnbaum
P.J. Leanderson
M.A. Leonard
P.R. Long
L.E. Luhta
J.V. Maxant
J. Menzies
C.P. Miles
W.A. Morris
W.L. Murphy
W.G. Nickling
J.P.A. Noble

Associates

R.B. Alexander
M. Archambault
J. Arengi
K.E. Ashton
K.A. Berndt
J. Bhattacharya
J.L. Biczok
C.B. Blanchard
J. Bloemendal
J.D.L. Bracken
G.J. Breaks
R.M. Britten
B.S. Brock
D.A. Camberon
M.S. Carr
J.J. Casey
P.J. Cashin
D. Chan
J.M.R. Charbonneau
B.A. Cheadle
B.J. Christie
F.S. Clouston
B.R. Cooper
N.D. Cox
C. David
J. Demers
A. Desrochers
G.A. Doiron
H. Dugas
R. Farmer
I. Fay
V. Fera
G. Finn
S.F. Foley
H.F. Foster
J.R. Foster
V.A. French
M.N. Gaiswinkler
M.B. Gareau
G.P. Gauthier
N. Gauthier
N. Gillard
R.T. Gillespie
M. Girard
C. Gosselin
F.J. Gratton
R. Hall
T.R. Hart
R.G. Helie

G.A.G. Nunn
P. Peto
J.W. Pickett
P.W. Pitman
H. Poulsen
C.J. Rockingham
H.P. Salat
B.P. Semec
I. Shetsen
B.M. Simonson
J.G.M. Spiteri
N.W. Stacey
I. Urabe
R.R. Walker
D.M. Watson
W. Waychison
P.F. Williams
D.V. Woods

M.L. Hill
D. Hodges
J.K. Hornsby
D. Hoy
R.W. Hulstein
T.R. Iannelli
G.S. Jones
P. Kavanagh
E.A. Kay
H.J. Keyser
D. Klepacki
D. Kresz
P.T. LaFleche
R.N. Lambe
M. Lamothe
R. Lapointe
M.J. Lavigne
J.R.L. Learn
P. Lemieux
W. Leyland
R. Li
B.E. Lorenz
N. Lund
J.A. MacEachern
H.E. Madeisky
J.A. Maloney
R.A. Markov
F.S. McKenzie
C.J. Meleskie
G. Mercier
I.W. Moffat
M. Morency
G. Nadon
P. Nakai
P. Nantais
P.R.J. Nicholls
G.A. O'Reilly
B.N. Olorunfemi
J.C. Ouellette
M. Plouffe
M.G. Price
D.J. Robinson
C.F. Roots
M. Rouillard
R.T. Sauer
J.J. Sauriol
E. Sawitzky
H.C. Schwab
T.N. Setterfield

C. Seuthe
G.K. Smith
R.R. Stea
D.B. Stevenson
E. Strati
M.R. Taylor
Y. Tetrault
J. Thibault

P.B. Thomas
A.G. Trudu
P. Van der Heyden
S.D. Walker
C.C. Walls
M.J. Ware
J.D. Williams
W.A. Wilson
R.A. Zinn

Transfer From Associate to Fellow:

A.R. Beavon
P.A. Bourque
R.L.T. Comeau
J.E. Fisher
R.C. Gauthier
R.F. Gerath
R.J. Goldie
D.B. Grant
R.P. Hill
M.H. Holtby
D.M. Kelly
M.J. Kreczmer
J.W. McLeod
H.D. Meade
I.R. Pawlowski
P.L. Reeves
R.E. Reid
A.B. Ryan
B. Thomson
W.D.B. Winfield
G.J. Woodworth

An additional 23 applications for membership are presently being processed by the Secretary's office. Adjustments in the total membership resulted from the following:

Resigned	23
Deceased	8

Resigned

C.E. Anderson	J. Maley
D. Baker	R. Monjo
L.G. Berry	J.R. Pullen
A.M.S. Clark	K.J.D. Ridley
G.L. Colgrove	M. Roussy
A.C. Hamilton	N. Sitar
G.E. Hargreaves	D. Skevington
M.C. Jackson	R.M. Stainforth
M.J. Kozlowski	A.G. Sturm
S.Z. Lai	H.H. Suter
H.B. Lang	G.A. Tarrant
	S.E. Williams

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

Deceased

G.M. Brownell	H.R. Rose
J.E. Gill	C.S. Longley
C.B. Gunn	K.A. MacLean
E.A. Hart	R.S. Velikanje

Logan Medal

The highest award of the Geological Association of Canada, the Logan Medal, was awarded to Dr. W.S. Fyfe of the Department of Geological Sciences, University of Western Ontario.

Bill Fyfe has earned the highest of international reputations for his researches in pure and applied geochemistry. His inability and his unwillingness to choose between chemistry and geology - and his conviction that an imaginative and original scientist seeking answers to fundamental questions posed by the Earth must be able to cross conventional disciplinary lines - are apparent in the representation of both chemistry and geology in his basic degree, and in his research degrees, all taken in his native New Zealand.

That same cross-disciplinary approach is evident in the researches he has conducted in three continents as holder of a series of distinguished readerships and professorships - in the University of California (Berkeley and Los Angeles), in the University of Otago, in the University of Manchester (in which he was Royal Society Research Professor), in the Imperial College of Science and Technology (in which he was Visiting Professor), and in the University of Western Ontario.

Bill Fyfe's influence as a teacher has been profound. His spoken and written words have inspired hundreds of undergraduates. Many of his graduate students - among them Roger Burns of M.I.T., Dan Weil of Oregon, and Eric Essene of Michigan - have become notable scientists in their own right in the style of their mentor. And as an adviser to his geological colleagues in academia, industry, and government, and as an adviser to national and international agencies, Bill Fyfe has guided a vast amount of geological investigation, as well as the application of science to the resolution of fundamental problems ranging from the early evolution of the Earth to the intelligent management of radioactive wastes.

Bill Fyfe's publications are legion. They sparkle with lucidly and succinctly expressed ideas and interpretations, and it is difficult to identify which record his most outstanding achievement. Some would say his G.S.A. Memoir with Turner and Verhoogon on "Metamorphic Facies and Reactions"; some his book on the "Geochemistry of Solids"; others his book with Price and Thompson on "Fluids of the Earth's Crust"; others again his joint publications on crystal-field theory as applied to rock-forming minerals.

His deeply held conviction that (the importance of laboratory-based geochemistry notwithstanding) geology beg-

ins and ends in the field, lies behind his appointments to lead expeditions to Argentina, Brazil, Chile, Mexico, the Middle East, East Africa, the Malagasy Republic, Thailand, and other countries.

So brilliant a career could not fail to have been recognized in many ways, and Bill Fyfe is a F.R.S. (London), Honorary F.R.S. (NZ), F.R.S. (Canada), Hon. Fellow of the Geol. Soc. America, Hon. Life Fellow of the Mineralogical Society of America, and an Hon. Member of the Academy of Science of Brazil. He has been a full-right Scholar in the United States, a Guggenheim Fellow at Cambridge, a William Smith Lecturer of the Geological Society of London, and a British Council Lecturer to several South American countries.

To this impressive list of honours and recognitions, the GAC now is proud to add its highest award - the Logan Medal.

Past Presidents' Medal

The 1981 recipient of the Past Presidents' Medal is Dr. D.J. Tempelman-Kluit, of the Geological Survey of Canada, Whitehorse, Y.T.

Dr. Tempelman-Kluit's recent synthesis on the tectonic development of central and southern Yukon in which he identified transported cataclasite, ophiolite and granodiorite terranes and suggested they reflect arc-continent collision is one of the most significant advances ever made in Cordilleran geology. His recognition of the character and distribution of the allochthonous terranes, and the magnitude of the displacement has provided a great stimulus to tectonic research in the Canadian Cordillera requiring re-examination of similar geology elsewhere in similar orogens.

Dirk's plausible and stimulating synthesis represents the culmination of fifteen years of incisive and rigorous field work in an area of about 100,000 km². The scope of his approach and the depth of his talents are emphasized by the way his synthesis has drawn upon his own experience of many diverse phenomena such as regional structural styles, facies changes in stratigraphic assemblages, sparsely fossiliferous rocks, isotope age data and isotope ratios and, finally the identification and correlation of allochthonous terranes.

The publication of the paper "Transported cataclasite, ophiolite and granodiorite in Yukon. Evidence of Arc-Continent Collision" completes a prolonged and intensive effort demanding exceptional physical and innovative intellectual capability. Dirk's energy is manifest by the formidable area he mapped personally and some have suggested was enough to emplace several

allochthons himself. He was aided in his arduous work by his sense of enjoyment in geoscience and in athletics. These facets of his personality are well illustrated by his initiation of the mid-summer madness of a yearly sports day for field geologists at Ross River, Yukon. Dirk Tempelman-Kluit is a fitting medallist on all scores.

Finances

The Financial Statement for the year ending December 31, 1980, prepared by the Association's auditors, was sent to all Fellows in April, 1981. The Association experienced a substantial decline in year-end surplus amounting to slightly over \$25,000. This reduced the year-end surplus from \$49,603 in 1980 to \$24,539. The income to the Association was up slightly in every category with the exception of the annual meeting. Because of the exceptionally successful Toronto Meeting a substantial surplus had accumulated which was passed to the Association. Although the 1979 joint Annual Meeting in Quebec City was also extremely successful, it was a much smaller meeting and did not result in such high revenues to the Association. Largely due to this single factor the income to the Association was practically identical between 1979 and 1980. The cost of members' services, however, rose appreciably during 1980. This was principally due to substantial increases in the cost of the *Canadian Journal of Earth Sciences* and in other costs of publications. These two items alone saw a \$24,000 increase in expenditure between 1979 and 1980. The Head Office of the Association at Waterloo has become increasingly involved in placing most of the records and files of the Association into a computerized format and this resulted in an increase of computer charges by slightly over \$2,000. Other items which saw much smaller, but nevertheless, still substantial increases in expenditure involved salaries which increased by \$3,500 and an equivalent amount for new displays which were used for promotion at the GSA Annual Meeting.

Committee Activities

The Executive and Council of the Association met in Council Meetings held on May 21, 1980 in Halifax; on October 17, 1980 in Calgary; on February 3, 1981 in Saskatoon and on May 9, 1981 in Banff, Alberta.

The **Editorial Committee** under the chairmanship of John W. Kramers, met three times during the year in association with the Council meetings. The Editorial Committee and the Association owe a

debt of gratitude to W.G.E. Caldwell, who chaired this committee for five years. The success of the Association's publication programme is in large part due to the untiring efforts of Dr. Caldwell.

Geoscience Canada, under the capable editorship of R.H. McNutt, Department of Geology, McMaster University, has appeared at regular quarterly intervals throughout the year. Refereeing procedures for the article section were introduced at the beginning of 1980, and appear to be working very well. Members of the Association are encouraged by the Editorial Committee to submit short original papers and topical reviews for publication in *Geoscience Canada*.

The first of the *Geoscience Canada* reprint series, *Facies Models*, which was published in August 1979, was reprinted again, for the third time, in 1980. It has become a GAC best seller. The new series on Ore Deposit Models is well underway with three articles published and 11 more articles committed.

The Association Newsletter, *Geolog* has continued to thrive in the last year, due in large measure to the outstanding efforts of editor G.L. Williams, of the Atlantic Geoscience Centre, Halifax; it too has appeared at regular quarterly intervals.

Special Paper 20 '*The Continental Crust and its Mineral Deposits*', a volume in honour of J. Tuzo Wilson, edited by D.W. Strangway, appeared from the printers just after the last annual meeting in Halifax. Special Paper 21 '*Cretaceous Rocks and their Foraminifera in the Manitoba Escarpment*', by D.H. McNeil and W.G.E. Caldwell is at the printers, and should be available early this summer. Special Paper 22 '*Buchans Orebodies: Fifty Years of Geology and Mining*', edited by W.A. Swanson, D.F. Strong and J.G. Thurlow should be available in time for the Calgary Annual Meeting. Other Special Papers in various states of readiness include: '*Major Sulphide Deposits of Canada and Environs*', the H.S. Robinson Memorial Volume, edited by R.W. Hutchinson; '*Major Structures of the Quebec Appalachians*', edited by Pierre St. Julien and Jacques Béland; and '*Sedimentation and Tectonics in Alluvial Basins*', edited by Andrew D. Miall. Still other Special Papers are in the planning stages.

There have been some delays in the production of a number of planned popular guide books to important areas of Canada, but guide book editor W.H. Mathews hopes for progress this year. Guidebooks to three urban areas; London (Ontario), Montreal and Toronto are being prepared.

The principal medium for the publication of original research papers by members of the Association continues to be the NRC sponsored '*Canadian Journal of Earth Sciences*'. Almost all associate editors come from the ranks of the Association. The editor of *CJES*, M.E. Evans, has continued to strive for excellence in the papers published, and the Committee looks forward to a continuation of the close liaison of past years.

The Editorial Committee and GAC Council wish to record their indebtedness to various agencies for the support they have received towards publication in the last year. These agencies include the Natural Sciences and Engineering Research Council of Canada, the Geological Survey of Canada, and the Canadian Geological Foundation. In addition, various universities and government agencies across Canada have continued to provide support leading to cost reductions in a number of the Association's publications.

The **Finance Committee** under the Chairmanship of D.A. Barr has been responsible for the preparation of the budget designed to guide GAC's financial affairs through 1981 and to provide some measure of control on longer term commitments. The budget was approved by Council at its 118th meeting held in Saskatoon on February 3, 1981. The Committee recommended certain other measures designed to balance costs and revenue in the face of increasing costs, particularly those of publishing the *Canadian Journal of Earth Sciences*.

A continuing problem which can affect the surplus position GAC finances is the uncertainty of publication dates for Special Papers, which can cause unpredictable fluctuations in both costs and revenues. Costs for all GAC publications in 1981, excluding *CJES*, are estimated at \$175,800 whereas recoveries from publications are estimated at \$148,300. The cost of publications, including *CJES*, represented 75% of all GAC costs in 1980 and are estimated to be approximately equivalent at 78% in 1981. Annual meetings continue to be self-supportive and/or sources of modest revenue, and the Finance Committee has recommended that this commendable policy be encouraged at future meetings. Minor modifications have also been made to the postage and handling charges for certain GAC publications as well as for Special Papers.

The portfolio of the Howard Street Robinson Account was reviewed by the Finance Committee and it was decided that no changes were warranted to the current investment policy which is taking

advantage of high interest rates in short term deposits.

The **Membership Committee**, chaired by J.H. Remick and including J.D. Aitken, A.T. Avison, D.H. James and J.G. Malpas reviewed some 237 membership forms during the year. 193 members were elected with 21 transfers and the remaining application forms are currently being processed. Membership of the Association now stands at 2,599 and the total numbers of each category of membership are given at the start of the Secretary's Report.

Membership dues for the 1981 calendar year were increased as follows: Associates, no longer in University, who received their Bachelor's degree more than 5 years ago (and others who do not qualify as Fellows) and Fellows, from \$35 to \$40. Student-Associates from \$18 to \$20 and Associates no longer in university who received their Bachelor's degree less than 5 years ago from \$25 to \$30. The fee for Corporate membership remains unchanged at \$200. Late this Winter a copy of the GAC Application for Membership form was sent to each Fellow as part of a regular mailing of GAC publications.

The English and French versions of the GAC Membership Brochure were revised and printed this Spring.

Response was very good to a letter written by the Association's President, Dr. W.G.E. Caldwell and sent with the 1981 dues form asking for a donation from each member. Although this is not a tax deductible item, 601 members (401 Fellows and 200 Associates) contributed \$4,520 in donations ranging from \$1 to \$25 and over. This is much ahead of the \$766.87 contributed by 77 members in 1980 and the \$650 contributed by 71 members in 1979 (the first year a section for donations was included on the dues form). It is hoped that additional members may contribute to GAC with their 1982 dues payment. A letter of thanks, written by Dr. Caldwell, was sent to each member who sent in a donation.

The 1981 dues form also included a section on employment affiliation. The response by some 1,557 GAC members gives the following breakdown of employment affiliation: 675 members (26.0%) were employed by the mining and oil industry; 415 members (16.0%) belong to universities; 291 members (11.0%) are employed by Federal and Provincial governments (breakdown was approximately 52% to 48%); 107 members (4.0%) classify themselves as Consultants or Contractors and 69 members (2.6%) specified 'other' types of employment in the earth sciences and related fields.

A breakdown of current membership in respect to the GAC Divisions is given in Table I and it is encouraging to see that all but one of the GAC Divisions show an increase in membership between 1980 and 1981.

Table I Membership of GAC Divisions Canadian Geophysical Union, 137 (up by 4 from 1980)

Environmental Earth Sciences, 152 (down by 13)
Mineral Deposits, 660 (up by 115)
Paleontology, 87 (up by 9)
Precambrian, 242 (up by 9)
Structural Geology, 144 (up by 35)
Volcanology, 220 (up by 22)

The **Programme Committee** chaired by R.S. Harrison was responsible for the organization of two National GAC Lecture Tours by Past Presidents' Medallists. The first was by Dr. Charlotte Keen (the 1979 medal winner) who lectured on 'Evolution of Sedimentary Basins on Rifted Continental Margins: Implications for Petroleum Generation'. Dr. Keen travelled across Canada stopping at St. John's, Fredericton, Montreal, Ottawa, Toronto, Winnipeg, Saskatoon, Edmonton, Vancouver and Victoria in the Fall of 1979.

A second lecture tour by the 1980 Past Presidents' Medallist, Dr. Dave Strong of Memorial University, Newfoundland was made in the early Winter of 1981. Dr. Strong delivered his lecture entitled: 'Megashear Tectonics and Contrasting Paleozoic Granitoid Plutons Around the North Atlantic' in Montreal, Toronto, Winnipeg, Saskatoon, Edmonton, Calgary and Vancouver.

The Programme Committee was also responsible for the distribution of the GAC Annual Meeting Manual, which will help facilitate liaison between the GAC Central Office and centres organizing the joint GAC/MAC Annual Meetings. The Manual also serves to facilitate the flow of information between past, present and future GAC/MAC Annual Meeting organizers.

The **Robinson Committee** chaired by P.M. Kavanagh with L.D. Ayres, T.J. Bottrill, S. Colvine and E. Gaucher (replacing R. Assad) recommended to GAC Council that the terms 'Precambrian Geology' and 'Metal Mining' in the bequest be interpreted liberally and not necessarily with a direct connection between them.

A major project being sponsored by the Fund is a new monograph series on Ore Deposits Geology being sponsored by the GAC Mineral Deposits Division and the Mineral Exploration Research

Institute (MERI-IREM) and under the editorship of Alex Brown of École Polytechnique. This major undertaking also has the support of the Canadian Geological Foundation and the Geological Survey of Canada.

The Robinson Fund also supported a symposium (organized by the GAC Mineral Deposits Division) entitled 'New Exploration Guides for Kuroko-type Massive Sulphides' and held at the GAC Annual Meeting in Calgary. The Committee also recommended to the GAC Council that the Fund support the Ore Deposits Models series being published in *Geoscience Canada* and the GAC Precambrian Division's symposium on 'Archean Supracrustal Sequences' planned for the GAC Annual Meeting in Winnipeg in 1982.

The projects currently being supported or under review will probably utilize most of the interest being earned by the Fund, and may even require temporary withdrawal of capital from it. The Ore Deposits Monograph Series should, however, eventually produce substantial income for GAC.

The **Public Information Committee**, chaired by Charlotte Keen, had recommended to Council that a joint GAC/NRC booth be prepared to display GAC publications at foreign meetings. Council accepted the recommendation and a booth was sent to the Geological Society of America meetings at Atlanta in November of 1980. The booth served to attract attention to GAC and GAC publications and will be used at other National Meetings outside Canada.

Sections

The Newfoundland Section has had a successful year, distributing much of the news of the respective meetings through the publication 'Mélange'. The annual spring meeting was held in St. John's on April 2nd and 3rd. News of the Newfoundland Section has been reported in *Geolog* Vol 9, Nos. 2-4 and Vol. 10, No. 1.

The Atlantic Geoscience Society has held some excellent meetings during the last year, and members have been relaxing from the 'high' which they experienced as a result of the organization of the Halifax 1980 GAC/MAC Annual Meeting. Reports of the activities of the Atlantic Geoscience Society have been given in *Geolog* Vol. 9, Nos. 2 and 4.

The Winnipeg Section has been active and successful and has grown over the last year, partly in response to an excellent slate of guest speakers. The Section averaged one meeting per month and the

presentations by both GAC Past Presidents' Medallists, Dr. C.E. Keen and Dr. D. Strong were greatly appreciated. Many of the members of the Winnipeg Section are actively involved in the organization of the 1982 GAC/MAC joint Annual Meeting which will be held in Winnipeg. The Section states that it has an excellent meeting planned and looks forward to hosting colleagues of the Association in 1982.

The Edmonton Geological Society has also had a series of successful meetings and sponsored a two-day seminar for Earth Sciences teachers in the Edmonton Public and Catholic school systems. The EdGeo - 1980 meeting was the second one held in Edmonton, and was initiated and partly funded by the Canadian Geoscience Council. The technical programme comprised seven luncheon meetings with speakers from the Edmonton Geological community and also from the GAC Past Presidents' Tour. The Fall field trip was the Provincial Museum of Alberta. Further reports on the Edmonton Geological Society activities are given in *Geolog* Vol. 10, No. 1.

The Cordilleran Section of GAC continues to be extremely successful with large numbers of mining and exploration geologists attending the evening lectures of the group. Attendance at most of these lectures varied between 35 and 175 persons. The annual symposium entitled 'The Last One Hundred Million Years (Mid-Cretaceous to Holocene) of Geology and Mineral Deposits in the Canadian Cordillera' was held at the Holiday Inn in Vancouver on February 13th and 14th, 1981. It was attended by approximately 400 geologists. The Cordilleran Section was also involved with the joint meeting of the Association of Exploration Geochemists in April of 1981. The three-day meeting (with one day sponsored by GAC) covered the subject of Precious Metals. Activities of the Cordilleran Section are reported in *Geolog* Vol. 9, No. 2.

Divisions

As mentioned earlier in the Secretary's Report, all Divisions of the Association have increased in membership between 1980 and 1981, with the exception of the Environmental Earth Sciences Division.

The Mineral Deposits Division of GAC continues to be the largest Division and has had an extremely successful programme during 1980/81. This included field trips to the Meager Creek geothermal area near Vancouver, B.C., held jointly with the Cordilleran Section,

whilst a second field trip to the Noranda-Timmins area is scheduled for May 1981. Members of MDD are actively involved in the production of a booklet series on Ore Deposits Geology and the Ore Deposits Models Series published in *Geoscience Canada*, and referred to earlier in the Secretary's Report. A proposal has been made for a guide book series on significant mining camps. This is currently under consideration by the GAC Editorial Committee. Two symposia were held at the Calgary Meeting and a further two symposia will be presented at the 1982 Winnipeg GAC/MAC Meeting. The first of the 1982 symposia is on 'Methods of Predictive Metallogeny' (jointly with the subcommittee of provincial geologists) and the second on 'Mineral Deposits and Metallogeny of the Proterozoic'. Joint meetings will also be held in 1982 with the Association of Exploration Geochemists at their 9th International Geochemical Exploration Symposium to be held in Saskatoon. Further reports of the Mineral Deposits Division are given in *Geolog* Vol. 9, No. 3 and Vol. 10, No. 1.

The Paleontology Division is small but extremely active and enthusiastic. After many years of debate the Paleontological Monograph Series is now poised on the brink of reality. A joint committee on Paleontological Monographs has been established and the first meeting was held at the GAC Annual Meeting in May of 1981. The Paleontology Division hopes that the first monograph will be under preparation before the end of the year. The Division sponsored another extremely successful Canadian Paleontology and Biostratigraphy Seminar at the University of New Brunswick in Fredericton, with a field trip to northern New Brunswick and Gaspé. The Division will be hosting the 1981 Meeting at Manitoulin Island, Ontario. The third North American Paleontological Convention will be held in Montreal in 1982 and the Paleontology Division is sponsoring two symposia on 'Paleobiologic models of mass extinction' and 'Paleontological innovations in the eighties and beyond'. Four information newsletters have been published since the Halifax Meeting and addresses of paleontologists in Canada have also been circulated to the recipients of the newsletter. Further reports on activities of the Paleontology Division are given in *Geolog* Vol. 9, No. 3 and Vol. 10, No. 1.

Publications

The sale of publications from April 30, 1980 to April 27, 1981 and stocks on hand are given below.

Proceedings	Copies	
	Sold	On Hand
Vol. 21	6	169
22	5	133
23	5	138
24 I	5	37
24 II	4	0
25	5	250
Special Papers	Copies	
	Sold	On Hand
#8	422	819
#9	16	11
#10	0	0
#11	299	0
#12	271	705
#13	268	662
#14	111	0
#15	34	160
#16	143	808
#17	50	282
#18	298	516
#19	179	529
#20	1,090	1,566
Geoscience Canada	Copies	
	Sold	On Hand
Vol. 1 #1	6	201
Vol. 1 #2	7	9
Vol. 1 #3	7	352
Vol. 1 #4	7	155
Vol. 2 #2	6	76
Vol. 2 #4	6	219
Vol. 3 #1	7	0
Vol. 3 #2	7	313
Vol. 3 #3	10	154
Vol. 3 #4	7	253
Vol. 4 #1	8	393
Vol. 4 #2	9	139
Vol. 4 #3	7	310
Vol. 4 #4	9	483
Vol. 5 #1	9	871
Vol. 5 #2	10	168
Vol. 5 #3	10	795
Vol. 5 #4	10	339
Vol. 6 #1	20	761
Vol. 6 #2	19	840
Vol. 6 #3	19	481
Vol. 6 #4	319	190
Vol. 7 #1	641	9
Vol. 7 #2	783	37
Vol. 7 #3	409	13
Vol. 7 #4	391	87
Vol. 8 #1	335	790

Facies Models

Reprint Vol. #1 4739 on hand 429
returned and damaged 337

Program & Abstracts

Vol. #	Sold	On Hand
Vol. #1	16	81
Vol. #2	21	223
Vol. #3	20	419
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Information

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#1	6	247
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1967	17	263
1970 #5	9	14
#6	9	6

The following list of Fellows attended the annual business meeting, held at the University of Calgary, Calgary, Alberta, on Tuesday, May 12th., 1981.


N.J. Allman
L.D. Ayres
A.H. Bailes
A.D. Baillie
S. Barr
H.R. Belyea
W.G.E. Caldwell
F.A. Campbell
H.A.K. Charlesworth
D.R. Derry
J.E.L. Evans
R.E. Folinsbee
P.L. Gordy
R.S. Harrison
H.E. Hendry
W.W. Hutchison
A.F. King
J.W. Kramers
W.O. Kupsch
F.F. Langford
J.A. Legault
B.A. Liberty
R. Ludvigsen
R.H. McNutt
W.H. Mathews
G.E. Merritt
A.V. Morgan
E.R.W. Neale
G. Nowlan
V.S. Papezik
A.V. Payne
D.J.W. Piper
D.A. St. Onge
J.C. Smith
R. Smyth
L.F.S. Stevenson
A. Sutherland Brown
H. Tammemagi
G.L. Williams

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Respectfully submitted
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