



NEWSLETTER

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BEST WISHES FOR A HAPPY AND PROSPEROUS NEW YEAR

The Editorial Board

PRESIDENT'S FORUM

Reg Wilson

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As I pen the last column of my tenure as AGS President, I would first like to extend warm wishes for a happy and productive New Year to all AGS members. For me, the last several months have passed in a blur of activity on several fronts – does everyone find that each year seems to be busier than the last? – and it is hard to believe that Colloquium time is upon us again. Planning for this event, to be held at the Delta Beau-séjour Hotel in Moncton, is essentially complete, except for finalizing the technical program. As you read this, the January 6 deadline for abstracts may well have passed, but if not, don't forget to get your abstract in to Mike Parkhill (mike.parkhill@gnb.ca).

I would like to extend a special invitation to members of the Geological Society of America who attended last year's joint meeting in Halifax to make their way to Moncton to re-experience AGS hospitality. Our banquet speaker this year will be Djordje Grujic of Dalhousie University, who will entertain us with tales of his ongoing structural/tectonic research in the Bhutan Himalayas.

For updates on the provincial scenes, see the articles in this newsletter

summarizing the recent Reviews of Activities in Nova Scotia and Newfoundland and Labrador. In New Brunswick, the Bathurst area is abuzz following the announcement of a joint provincial and private sector initiative that may breathe new life into the Bathurst Mining Camp. The agreement will involve an infusion of up to \$25 million to fund an airborne geophysical survey employing new and sophisticated geophysical technology, and ground evaluation of highly prospective targets. Private sector partners are Noranda Inc. and Miramichi-based Slam Exploration. In a second development, the recent discovery of an exciting gold occurrence near Bathurst illustrates that, even in a relatively well-prospected area, new and potentially economic mineral occurrences and deposits may still be found under all that glacial stuff.

For those who have been out of touch, Sandra Barr, our Atlantic Geology editor, Gesner Medal winner, and former AGS President, has apparently found too much free time on her hands and will take the reins as President of the Geological Association of Canada at that association's annual meeting in St. Catharines in May 2004. Sandra's term as President will culminate with the 2005 GAC-MAC-CSPG meeting in Halifax, and I wish her much success as she undertakes this demanding task. GAC, like most geoscience

organizations these days, faces numerous challenges in the years ahead, partly because of declining membership. A new membership drive is currently underway, and I encourage those of you who are not GAC members to take a look at what that fine organization has to offer.

In other AGS news, one of the initiatives currently being pursued by the Education Committee (Nova Scotia Branch) involves partnership in the preparation of a Nova Scotia "geo-sites" brochure, which will serve as a concise source of easily accessible geological information. The idea was introduced at an Education Committee meeting, and eventually led to Andrew Henry submitting an AGS proposal to the Nova Scotia Department of Tourism and Culture, under their Strategic Development Initiative. The Department has agreed to provide 75% of the necessary funding for an illustrated, colour brochure describing a variety of geological sites, small museums and retail outlets, as well as information on AGS publications. The brochure will carry the AGS logo and should prove an excellent, low-cost vehicle for publicizing our society and geo-educational activities. It is considered an "entry-level" product that will capture the interest of the general public and direct interested parties to more detailed information contained, for example, in the Nova Scotia Geological Highway Map and *The Last Billion Years*. The project is scheduled for completion for the spring of 2004, with 40,000 brochures to be printed.

In closing, I would like to thank the members of AGS Executive and Council for their assistance during the past year. In particular, Ken Howells, our veteran Treasurer, has been an invaluable resource, and Steve McCutcheon, rather than take a break after an undoubtedly trying few years as GAC Finance Chairman, agreed instead to step in as our Secretary. I have also benefited from the advice and experience of Jennifer Bates and Mike Parkhill. I have discovered, like my predecessors no doubt, that important

spin-offs of this position are the insight it provides into the spectrum of AGS activities and the opportunity to interact with the enthusiastic people who direct those activities. The AGS is clearly a healthy and vibrant organization that is well-prepared for the future. It has been an honour to serve as President, and I offer my successor, Joe White, best wishes for the coming year.

AGS NEWS

Notice of Proposed Changes to By-laws

Reg Wilson
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Some minor housekeeping items will be addressed during the Society's Annual General Meeting on January 31, 2004. A change in the wording of By-law 11, dealing with notification of general meetings of the Society, is proposed in order to bring the By-Laws into line with the realities of modern communication.

Modifications to By-law 25 are necessary to correct an apparent typographical error, and eligibility of Council members for re-election. The wording of the existing and proposed by-laws is as follows (italics added for emphasis):

Existing By-law 11

Three days notice of a meeting, specifying the place, day and hour of the meeting and, in the case of special business, the nature of such business, shall be given to the members. Notice shall be given in writing and by sending it through the post in a prepaid letter addressed to each member at his or her last known address. Any notice shall be deemed to have been given at the time when the letter containing the same would be delivered in the ordinary course of post and in proving such service it shall be sufficient to prove that the letter containing the notice was properly addressed and placed in the post office. The non-receipt of

any notice by any member shall not invalidate the proceedings at any general meeting.

Proposed By-law 11

Three days notice of a general meeting, specifying the place, day and hour of the meeting and, in the case of special business, the nature of such business, shall be given to the members. *Notice shall be given in writing, either by post or by electronic means.* The non-receipt of any notice by any member shall not invalidate the proceedings at any general meeting.

Existing By-law 25

At the first ordinary or annual general meeting, all the Executive Officers and Councillors shall retire from office but *shall not hold* office until the dissolution of the meeting at which their successors are elected and retiring Executive Officers and Councillors shall be eligible for re-election.

Proposed By-law 25

At the ordinary or annual general meeting, all the Executive Officers and Councillors shall retire from office but *shall hold* office until the new slate of Executive Officers and Councillors is approved by the members. Retiring Executive Officers and Councillors shall be eligible for re-election to Council.

Planning for Halifax 2005

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The pace of planning is accelerating for the joint meeting of the Geological Association of Canada, Mineralogical Association of Canada and the Canadian Society of Petroleum Geologists that will be hosted by the AGS in Halifax in May 2005.

All subcommittees of the Local Organizing Committee, which is led by General Chairman Scott Swinden (GAC) and co-chairs Rob Raeside (MAC) and Grant Wach (CSPG), are

now active. Progress to date includes:

- A preliminary technical program has been developed which currently includes 6 symposia, 22 special sessions and 6 general sessions. Among these are the North American Minerals Symposium (NAMS) – a biennial meeting that has alternated between Newfoundland and Labrador and Ireland – and a celebration of 50 years of Canadian contributions to mineralogy, in honour of the MAC, which will celebrate its 50th anniversary in 2005.
- A field trip program has been developed that includes 6 pre-meeting and 9 post-meeting trips. Proposed trips span a gamut of topics from the stratigraphic setting of the Bathurst camp to salt tectonics and sedimentation in Cape Breton Island and include something for everyone.
- A social program has been proposed that will introduce conference delegates to the many historical and entertainment attractions of Halifax and Nova Scotia. A major component of the social program will celebrate the MAC's 50th anniversary.

The Local Organizing Committee will distribute a first circular for the meeting at the GAC-MAC annual meeting in St. Catharines in May 2004. This first circular will provide more information about the program. The conference website, registered as www.Halifax2005.ca, will soon be operating, and those interested should monitor that URL for more information.

UNIVERSITY NEWS

APICS Earth Science Committee Update – 53rd Annual Atlantic Universities Geological Conference

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From October 30 to November 1, 2003, the 53rd Annual Atlantic Universities Geological Conference was hosted at Saint Mary's University. The conference was organized by a committee of the SMU Geology Club chaired by Tony Barresi. There were about 130 student and faculty participants.

On the first day of the conference, a workshop was held by Imperial Oil, which also provided pizza and beer to the attendees. Jennifer Unterschutz gave a presentation on "Becoming a petroleum geologist: Insights into the journey and what the oil and gas industry has to offer you". The next day, three field trips took place. Howard Donohoe led a trip on structures of Carboniferous rocks and their significance, Philip Finck led a trip on industrial minerals of Nova Scotia and Victor Owen and Pierre Jutras led a trip to examine the Meguma Group along the Eastern shore.

The main events on Saturday, November 1, consisted of undergraduate student talks and a poster session. All the student presentations were first rate. The Student - Industry Luncheon featured a talk entitled "Offshore Exploration: What training does a young geologist need to work as an explorationist in Atlantic Canada?" by John Hogg, President of Canadian Society of Petroleum Geologists and Vice-President of Encana Atlantic. The day ended with a banquet, where John Calder from the Nova Scotia Department of Natural Resources gave a talk entitled "Clash of Titans: Coal Age Galapagos" and awards were presented.

The APICS award for the best paper

was given to Christopher Hamilton from Dalhousie University for a talk entitled "Ice-contact volcanism and hyaloclastite flow emplacement in the Vifilsfell region, SW Iceland". The CSPG Trophy for best presentation went to Jamie Braid from Saint Francis Xavier University for a presentation entitled "Fold mechanisms in the shallow crust: an example from the Siluro-Devonian Arisaig Group, Antigonish Highlands, Nova Scotia". Frances Mitchell from Acadia University, who gave a talk entitled "Metamorphic petrology of calc-silicate nodules from greenschist facies to migmatite grade, Liverpool-Pubnico area, Nova Scotia" won the Frank Shea Memorial Award for the best paper dealing with Economic Geology. Other oral presentations included Andrea Mosher (Dalhousie), Lila Dolansky (Saint Mary's), Crispin Pike (Memorial), Melissa Putt (Memorial), Andy Carmichael (Saint Mary's), Cory Furlong and Clare Goddard (Memorial), Jonathan Crealock (Dalhousie) and Erin Oickle (Acadia). Judges were John Hogg, Scott Swinden, Howard Donohoe and Dave Brown.

The best poster award went to Ozlem Suleyman from Saint Mary's University for a presentation entitled "Historical record of metal contamination in the Tantramar salt marshes, Nova Scotia". Other poster presentations were by Heather Hunt (Memorial) and Darin Wasylik (Acadia). The judge for the poster session was Jennifer Unterschutz from Imperial Oil.

The total budget was about \$17,000. APICS contributed \$1,000 towards the conference, as well as the \$100 award for the best paper. AGS contributed \$500. Other major contributors were Imperial Oil, Shell Canada, Saint Mary's University Student Association, Saint Mary's University administration, Geological Foundation of Canada, Canadian Society of Petroleum Geologists, Saint Mary's University Geology Department, Mineralogical Association of Canada, Geological Association of Canada, INCO,

Marathon Oil and Canadian Superior Energy. Once again the AGS and APICS are organizing a speaker's tour. The speaker for 2003-2004 is Dr. Brendan Murphy from the Department of Earth Sciences, St. Francis Xavier University. The title of his talk is "How do supercontinents form?" The tour organizers are Ian Spooner, on behalf of our committee, and Peter Wallace, on behalf of the AGS.

UNB

Dave Lentz
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James Whitehead has been invited to deliver the keynote speech at the International Symposium on Impact Events in Japan, Southeast Asia and the Pacific Rim, at the Yamaguchi University, Japan in November. While in Japan, James will also be delivering a public talk and research findings on potential impact ejecta from the North Sea.

Ron Pickerill will be on sabbatical for the first term of 2004, his first since

coming to UNB in the mid 1970's. Tom Al is on sabbatical this year and is helping assemble the new instruments that the UNB Electron Microscopy Unit was awarded last year by CFI.

David Lentz was invited to give a series of lectures in late October on VMS genesis with several other Canadian colleagues in Marrakech, Morocco, and to attend field trips to local Zn-Pb mines to help with an exploration development project between the local university and the ONA Corporation of Morocco. Future collaboration seems probable with the government, ONA, and the university.

In his role as President of the CIM Geological Society for 2003, Dave was asked to attend and present a talk on Carlin-like gold mineralization in New Brunswick at the 50th anniversary meeting of the Newfoundland Branch of CIM that was held in conjunction with the Geological Survey of Newfoundland and Labrador's open house in St. John's in late October (see article elsewhere in this issue).

In addition to the workshop on Modern Methods in Exploration Geochemistry that was organized by UNB as part of NBDNR's Review of Activities this year, UNB students and faculty presented numerous posters and talks at the event. Thanks are extended to NBDNR-Minerals for inviting us to participate and allowing us to highlight our various research programs in New Brunswick.

GOVERNMENT NEWS

Mineral Resources Branch, Nova Scotia Department of Natural Resources

Mining Matters for Nova Scotia 2003
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The 27th annual open house of the Nova Scotia Mineral Resources Branch was held in Halifax on November 19 and 20. The conference, which was co-hosted by NSDNR, the Nova Scotia Office of Economic Development and the Mining Society of Nova Scotia, attracted over 300 registered delegates. This is an increase over the attendance at the past several meetings and, hopefully, is an indication of renewed interest and confidence in the province's minerals industry.

The technical program featured three theme sessions – Current Trends in Precious Metal Activities in Nova Scotia, Industrial Minerals: A Precious Resource, and Current Research Activities in Nova Scotia. Complementing the talks presented at the technical sessions were a Tradex, poster sessions, an evening social event and a post-conference field trip to the Mooseland and Dufferin gold deposits, currently being explored by Azure Resources Corp.

Interest in the province's gold deposits has dramatically increased this year, and the first technical session comprised presentations by a mix of government geologists and private sector



Lindsay Allen (centre), first recipient of the Pulsifer-Horne Memorial Award for the Nova Scotia Prospector of the Year, receiving his award from Denis Rushton (left) of Jacques-Whitford Environmental (sponsor of the award) and Howard Donohoe (right), representing the Nova Scotia Prospectors Association. The award was made during the Mining Matters for Nova Scotia 2003 conference.

investors. Together, these presentations provided an overview of the current understanding of the geology of these deposits and of the particular challenges that confront those who are trying to develop them. Also included in this session was a presentation by Mike Downes of Monster Copper Corporation on iron oxide – copper – gold deposits and his company's exploration for this type of mineralization along the Cobequid – Chedabucto Fault Zone in Nova Scotia.

The industrial minerals session featured talks on building stone, limestone and other carbonate rocks, the evaporates and other resources of the Windsor Sea, and a special presentation by Brad Wilson, a consulting gemologist from Kingston, Ontario, on Canadian coloured gemstones.

The final technical session comprised presentations on an eclectic mix of current university and government research projects in Nova Scotia, including such things as pegmatites, the distribution and speciation of elements in historical mine tailings in Nova Scotia, hydrocarbon reserves in the Scotian Slope and ecosystem carbon recycling processes. A high-

light of this session was a sobering, thought-provoking presentation by Dave Hughes of GSC Calgary on global energy supply and demand trends and forecasts.

The evening social gathering was well-attended this year, and featured entertainment by GSC Atlantic research scientist Gordon Fader and his ensemble. Welcoming remarks were made by the Hon. Ernest Fage, Minister of Economic Development and a former Minister of Natural Resources. Mr. Fage was standing in for the Hon. Richard Hurlburt, Minister of Natural Resources, who was unable to attend.

Included in the evening's events was the first presentation of the Pulsifer - Horne Memorial Award for the Nova Scotia Prospector of the Year. This award has been established by the Prospectors Association of Nova Scotia, and will be made annually to a prospector who makes the best contribution to the prospecting industry in Nova Scotia in the preceding year. The award, which is sponsored by Jacques-Whitford Environmental, is named after two famous Nova Scotia prospectors – Orville Pulsifer and Edgar Horne.

The first recipient of the award is Lindsay Allen, who was nominated for his work as president of the Nova Scotia Prospectors Association, for his efforts to address issues related to legislation respecting small scale mining in Nova Scotia, and for his role in focusing attention on prospecting in Nova Scotia through the television documentary "Rock and Desire".

Mining Matters for Nova Scotia 2004 will be held at the Westin Nova Scotian Hotel in Halifax on Monday and Tuesday, November 1st and 2nd. Plan now to attend.

Rocks on the Rock – News from Newfoundland and Labrador

Andy Kerr

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The summer of 2003 was a pretty busy time for Newfoundland and Labrador geologists, and the fall hasn't been much slower. Interest in exploration, notably for gold on the island, remains very keen, and many junior companies were running grass-roots and advanced exploration programs. Students from Memorial's Earth Science Department had plenty of opportunities to gain practical exploration experience, which is a welcome change from some previous years! The big news in the big land (*i.e.*, Labrador) is the ongoing development work at the Voisey's Bay deposit, now scheduled to come into production by 2006. The Geological Survey of Newfoundland and Labrador remains as active as possible, and ran mapping and mineral deposit programs in several areas of the province. At Memorial University, the proposed INCO Innovation Centre will include a focus on Earth Sciences and mineral deposit evaluation, which will hopefully provide new opportunities for local geoscientists when it becomes operational in 2004. Memorial's faculty continue to work on collaborative projects with the Geological Survey, local junior exploration companies, and major multinationals such as INCO.



Well-known AGS member and GSC research scientist Gordon Fader (left) and his jazz ensemble entertaining delegates to Mining Matters for Nova Scotia 2003.

Exploration on the Island of Newfoundland

Claim-staking in the province is currently at its highest level since the “post-Voisey’s boom” of 1995-98, and much of this reflects interest in gold exploration on the island of Newfoundland. Several Newfoundland-based juniors, including Altius Minerals, Cornerstone Resources, and Linear Resources, are in the forefront of this activity, with a variety of come-from-away junior and senior joint venture partners. The withdrawal of Barrick Gold from its joint venture with Altius in central Newfoundland had limited impact, as it was soon overshadowed by the announcement of a new partnership between Placer Dome Inc. and Rubicon Minerals in an adjacent region. Most of the activity has been in central Newfoundland, where several new prospects have been delineated. The best-known is the aptly named “Golden Promise”, a quartz vein system where grades range up to 2 ounces per tonne locally. Its discoverer, well-known local prospector Bill Mercer, was named “Prospector of the Year” at the Baie Verte Mining Conference in June. There is continued interest in the potential for large Carlin-style gold deposits in Silurian sedimentary rocks of central Newfoundland, and Cambro-Ordovician sequences in the west. There is also interest in base metals, with continued drilling around the former Rambler and Pilley’s Island mines. The name “Duck Pond” may soon be added to the list of producing deposits, as Aur Resources continues its assessment and feasibility studies at this 5.5 mt Zn-Cu-Pb deposit. A recent advertisement for a mine manager and a mine geologist is perhaps a good sign that things are moving along! The Beaver Brook antimony mine also has a new owner in VVC Exploration Corp., with plans to resume production next year. There has also been exploration for uranium in Carboniferous sedimentary rocks, and continued exploration for redbed copper deposits in Late Precambrian sequences of the Avalon Zone.



Participants in the GAC Newfoundland Section’s fall field trip, relaxing at Arches Provincial Park, near Gros Morne. The group included participants from Newfoundland and Labrador and Nova Scotia. Leaders were Bob Stevens (third from left, back row), Rob Hingston (far left, back row) and Tom Calon (just left of center, back row). Photograph by Michelle Muminicki, Memorial University.

Exploration in Labrador

The Voisey’s Bay project remains the biggest news in the north. Construction work continues, and the permanent airstrip is now finished. It is claimed that over 1,100 people are now working on different components of the project, and work will soon commence on the hydrometallurgical demonstration plant at Argentia, not far from St. John’s. High nickel prices and the visible progress at Voisey’s Bay have boosted interest in exploration. Falconbridge Canada, in association with Donner Minerals and other junior partners, have been drilling some 80 km south of Voisey’s Bay, where mafic intrusions host mineralization with many similar characteristics. Other junior companies have been staking prospective ground both near to Voisey’s Bay and in far-flung corners of Labrador. In a new development, Altius Minerals and Fronteer

Resources have initiated a grass-roots exploration effort for iron oxide-Cu-Au-U deposits in the central mineral belt of Labrador, a region well-known for its uranium potential, but largely unexplored since the 1970s.

Geological Survey Activities

The 2003 program involved mapping projects in Labrador and on the island, and mineral deposits projects in both areas, as outlined in a previous AGS newsletter. There were also a variety of industrial minerals, Quaternary geology and office-based projects. Like all such organizations in Canada, the financial resources available to the geological survey are not what they used to be, and mounting mapping programs in remote areas is increasingly difficult. However, next year’s program should benefit from some federal funds, through the Targeted Geoscience Initiative (TGI) aimed at

northern regions of Canada. Continued geological mapping in the remote areas of northern Labrador and Quaternary mapping / till geochemistry studies in the central mineral belt are amongst the initiatives that will utilize TGI funding.

A new but familiar face arrived at the survey in early summer, when Gerry Squires replaced Paul Moore, who departed to manage Newfoundland exploration for Rubicon Minerals. Gerry has plenty of exploration experience with major and junior companies, and is well-known for his broad interests in geology and mineral deposits. He will definitely be an asset to the organization, and is settling in well. It is certainly appropriate that his initial survey project concerns the Duck Pond deposit, for he was involved in the initial discovery by Noranda about 15 years ago! On a sadder note, the Department of Mines and Energy suffered a great loss when Dan Bragg passed away suddenly in July, while conducting field work in Labrador. Everyone who knew Dan knows that he was truly a one-of-a-kind individual, and he will be greatly missed.

The survey held its annual open house at the end of October, in conjunction with the local Canadian Institute of Mining (CIM) meeting. This year was the 50th CIM meeting to be held in Newfoundland, and the organizing committee certainly set out to celebrate it in style. The meeting was one of the most successful in many years, and featured sessions on mineral exploration, mining engineering, dimension stone deposits, and oil and gas exploration. The Geological Survey of Newfoundland and Labrador hosted the 8th public lecture in its series at the meeting, delivered by Lawson Dickson. Lawson presented a comprehensive overview of the history and use of building stone in the province, illustrated with historical photos and drawings, and many interesting stories about the prominent stone buildings of old St. John's. The usual range of social activities kept delegates busy

and entertained, and left them very tired by the following Monday!

Following the Provincial election in October, we got an entirely new government, and eventually a new minister of Mines and Energy in Ed Byrne, a long-term member of the House of Assembly and former leader of the Provincial PC Party.

GAC (Newfoundland) Activities

Following a successful technical meeting in February, and a well-attended mass murder of lobsters in May, GAC Newfoundland mounted an ambitious four-day field trip in the fall, to the UNESCO world heritage region of Gros Morne National Park. The trip was led by Bob Stevens, who conducted much of the pioneering geological work in the park region, with contributions from Tom Calon (Memorial University) and Rob Hingston (Parks Canada). Bob, who now lives in Nova Scotia, made a special trip over to lead the excursion and did a tremendous job. The sites visited included the famous fossil locality at Table Point, the spectacular continental-slope carbonates of Cow Head, the world stratotype for the Cambrian-Ordovician boundary at Green Point, and (of course) the Tablelands ophiolites. Exceptional fall weather was encountered, and the new Memorial University research station at Bonne Bay proved to be an excellent base for the trip. Plans are underway to expand the trip guidebook to create a self-guiding book for geologists interested in this spectacular region. The 2004 technical meeting is currently in the planning stages, and will take place at the Johnson Geocentre, rather than its usual venue at Memorial University. The dates are February 23rd and 24th.

Upcoming Events

Atlantic Geoscience Society: 30th Colloquium and Annual General Meeting, Delta Beausejour Hotel, Moncton, NB, January 30 and 31, 2004. For more information, see following page or visit the website at <http://is.dal.ca/~walla/ags/ags.htm>.

BC and Yukon Chamber of Mines: Exploration Roundup 2004, Westin Bayshore Resort and Marina, Vancouver, BC, January 26 to 29, 2004. For more information, visit the website at <http://www.bc-mining-house.com/roundupoverview.htm#>.

2004 World Mines Ministries Forum: Metro Toronto Convention Centre, Toronto, ON, March 4 to 7, 2004. For more information, visit the website at <http://www.wmmf.org>.

Prospectors and Developers

Association of Canada: International Convention, Trade Show and Investors Exchange, Metro Toronto Convention Centre, Toronto, ON, March 7 to 10, 2004. For more information, visit the website at <http://www.pdac.ca/pdac/conv/index.html>.

Geological Association of Canada – Mineralogical Association of Canada: St. Catharines 2004, Joint Annual Meeting, Brock University, St. Catharines, ON, May 12 to 14, 2004. For more information, visit the website at <http://www.stcatharines2004.ca/>.

Geological Society of America: Northeastern Section and Southeastern Section Joint Meeting, Hilton McLean Tysons Corner, Tysons Corner, VA, March 25 to 27, 2004. For more information, see the website at <http://geosociety.org/sectdiv/northe/04/nesemtg.htm>.

Atlantic Geoscience Society **30th Colloquium and Annual General Meeting**

The Atlantic Geoscience Society cordially invites you to attend its 2004 Colloquium and Annual General Meeting, which will be held at the Delta Beausejour Hotel in Moncton, New Brunswick, on January 30 and 31, 2004. This year's meeting will feature

- Technical sessions on current geoscience research in the Atlantic Provinces
- A special session on geophysics, in honour of the late Ewart Blanchard
- A workshop on applications of ion microprobe technology in the geosciences
- A tour of Potash Corporation of Saskatchewan's potash mine near Sussex

Fees

Colloquium fees:

Pre-conference professional registration (includes \$10 AGS membership for 2004)	\$40.00
On-site professional registration (includes \$10 AGS membership for 2004)	\$50.00
Pre-conference student registration (includes \$5 AGS membership for 2004)	\$10.00
On-site student registration (includes \$5 AGS membership for 2004)	\$15.00
AGS luncheon and annual business meeting	\$15.00
AGS awards banquet	\$32.00

Workshop registration fee:

Professional registration	\$50.00
Student registration	\$20.00

Annual subscription to *Atlantic Geology*, the AGS journal:

AGS members	\$35.00
Non-members	\$45.00

Registration

A conference registration form can be downloaded from the AGS website (<http://is.dal.ca/~walla/ags/ags.htm>).

Pre-conference registration is available until noon, January 24. Participants are urged to register early to facilitate planning and to avoid the extra charges of on-site registration. Adobe Acrobat 5.0 or higher is required to access the registration form. The form can be completed on-line (costs are calculated automatically), but must be printed and mailed, with payment, to the address below to complete the registration process.

Pre-conference payment of fees is by cheque or money order only. On-site payment of fees can be by cash, cheque or money order. Payment should be made payable to The Atlantic Geoscience Society and mailed to:

The Atlantic Geoscience Society
c/o Earth Sciences Department
Dalhousie University
Halifax, Nova Scotia B3H 3J5

Accommodations

A block of rooms has been reserved for the conference at the Delta Beausejour Hotel at a cost of \$95.00 (+ HST).

These rooms will be held until January 7, 2004, after which date room availability and price are not guaranteed.

Please mention the conference when reserving your room to ensure that you receive the conference rate.

Costs of the colloquium to the AGS are proportional to the number of rooms booked for the conference, so attendees are encouraged to stay at the Delta Beausejour Hotel.

Reservations can be made by calling the hotel at 506-854-4344 or 1-877-814-7706.

Additional Information

Additional information about the conference is available on the AGS website at <http://is.dal.ca/~walla/ags/ags.htm>.