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**GEOSCIENTISTS**  
NOVA SCOTIA

# GeoGazette

Fall 2018

Volume VIII Issue III

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## Geo-Happenings at Acadia

Ian Spooner, P.Geo.,  
Head, Acadia University,  
Department of Earth and Environmental Science

We have had a busy year 2017-2018 academic year at Acadia! By far the overwhelming activity of the year has been the renovations to Huggins Science Hall (where we reside) and the construction of the Innovation Pavilion between Huggins and Elliott Halls. All the outer walls of corridors and offices were removed and replaced with insulated, double-glazed structures; the lighting was converted to LEDs; and new space was made by pushing out the corridors on to the concrete beams. A before and after photo will show you the result! On the third floor a couple of new offices were constructed where once the pigeons roosted. It has been an "interesting" experience to work inside a construction zone for a year, and there is still a lot of dust to clean up, but we are fully open for business for anyone dropping by this summer!



Huggins Science Hall "Before"...



...and "After"

Ten Acadia students and professors attended the 68th annual Atlantic Universities Geoscience Conference at Dalhousie University on the first weekend of November. The weekend began with an Ice-Breaker at Dalhousie on Thursday evening, in preparation for field trips on Friday. Most of the Acadia students participated on the early starting Parrsboro field trip, led by Tim Fedak (Nova Scotia Museum). The weather was mild, but the rain was heavy as they searched the shores at Wasson's Bluff for faults and fossils.

Friday night was the CSEG Challenge Bowl, where the Acadia team took fourth place, and on Saturday the scientific presentations. Ten oral papers and seventeen posters were presented, ranging across all areas of geoscience. The usual high quality was maintained. Presenters from Acadia were Crystal Smith, Garrett Hooey, Garrett Velkar, Congratulations to all three presenters who did a great job, and special note to Garrett Velkar who won the AGS Environmental Geoscience Award.

**Consider  
Volunteering with  
APGNS!  
See Pages 5 & 9**

## From the Registrar's Inbox ...

It has been a very busy fall for APGNS and, judging by the comments I have heard from our members, it has been busy for them as well. That's good news all around. Our application and registration numbers continue to increase. Our student outreach presentations have brought in several new student members as well. Our Members-in-Training numbers have increased and Council's initiative on the admissions policy, to waive the MIT application fee for graduates in their year of graduation, has also been well received.

As I am sure you are aware, the annual invoices for professional fees are being issued. You will be pleased to note that professional fees as well as corporate registration fees have not been changed from last year. All fees are due and payable on or before December 31<sup>st</sup> and it is considered a professional obligation to ensure that a member's fees are paid on-time. You will also have received the reporting forms for the Continuing Professional Development program (CPD) a topic discussed elsewhere in this edition.

In September, we hosted a very successful Fellow of Geoscientists Canada (FGC) award reception at the Dalhousie University Club. The event was hosted by APGNS Council and included the award recipients, Past-Presidents and guests. In October, a Volunteer Appreciation Social was held at Seamus David's Pub and it was also well attended. The date for the Annual General Meeting has been set for April 26, 2019, so please mark your calendar. It is anticipated that the format will include a Council meeting, a business meeting for the members, a luncheon and an afternoon CPD session.

APGNS is a Constituent Association of Geoscientists Canada (GC), which is the national body that facilitates interaction and information exchange between Canadian geoscience regulators. So, we are very pleased to announce and congratulate Jeff Parks, P.Geo., FGC, who has been appointed President-elect of Geoscientists Canada. Jeff will start his term as President in June of 2019 and APGNS will host the Geoscientists Canada Annual Members Meeting in June 2020.

Geoscientists Canada (GC) and the Canadian Federation of Earth Sciences (CFES) have collaborated on a booklet titled **"Geoscience and Canada"**. This booklet is similar to publications in the UK and US. APGNS had an opportunity to contribute to the content as the project developed and review the final copy. The booklet has been widely distributed in Canada, starting with the Resources for Future Generations 2018 conference held in Vancouver earlier this year and has been very well received. Intended to be a high-level introduction to geoscience, directed toward "decision-makers", it has proven to be a great reference for students and introduction for the public as well. It has been so successful that funding is now being sought for a second printing. You can view and download the booklet on the Association website ([www.geoscientistsns.ca](http://www.geoscientistsns.ca)).

We have also been involved with the Geoscientists Canada (GC), Canadian Geoscience Standards Council (CGSC), Admissions Support Tools, Phase 2 project. The Phase 1 project created the Entry-to-Practice Competency Profile and Phase 2 is working on the assessment / imple-



APGNS Registrar:  
David C. Carter, P.Geo, FGC.

## From the Registrar's Inbox ... (continued from page 2)

mentation tools leading to an on-line self-assessment evaluation of geoscience work experience which will assist the Admissions Board in evaluating an applicant for professional registration.

The Canadian Geoscience Standards Council (CGSC), is a sub-committee of GC and developed the Geoscience Knowledge and Experience Criteria for Professional Registration in Canada (GKE). The GKE is the fundamental reference for the APGNS Admissions Board, as well as in other jurisdictions, to evaluate applications for professional registration. The GKE was first published in 2000; it was reviewed in 2005; reprinted in 2008; and it has been updated in 2018. It has been approved by GC and will be reprinted for release in late 2018 or early 2019. Our CGSC representative Cliff Stanley, P.Geo., FGC and our Admissions Officer Group representative David Carter, P.Geo., FGC, participated in this review and revision of the GKE.

The Nova Scotia Department of Energy and Mines has recently released the **Mineral Resources Act** and **Mineral Resources Regulations**. They are effective as of December 18, 2018. While the Regulations do include a definition of "geoscience" and reference the **Geoscience Profession Act**, they fall short in not requiring technical reports with geoscience content to be prepared by a geoscientist. They also do not carry the designation of a "geoscientist" through to the qualifications required to author a technical report.

The Atlantic RBCA has recently released the **Guideline on Site Professional Experience Requirements in Atlantic Canada**. The qualifications of site professionals are presented as:

- education;
- experience;
- liability coverage (ability for the public to be compensated for errors and omissions);
- ethical practice (a code of ethics);
- skill maintenance activities/continuing professional development; and,
- discipline process (mechanism for public/regulator to complain/discipline/ disqualify site professional for incompetence).

## Acadia... (continued from page 1)

The Acadia Geology and Environmental Geosciences class of 2017 graduated in May and saw 20 degrees issued from the department, with Jackson Malone receiving the University Medal in Geology and Mining Society of Nova Scotia Centennial Medal, and Kirklyn Davidson receiving the University Medal in Environmental Geoscience.

Garrett Velkjar, Acadia University  
winner receiving the AGS  
Environmental Geoscience Prize.



## President's Corner

Beverley Smith, P.Geo., FGC  
APGNS President

When asked to provide an article for this newsletter, at first I was not sure what topic to cover and then it came to me after our Volunteer Appreciation Social event. I would like to share some of the things that I have learned/gained from serving on Council over the years ... first 2007-2011, then 2013-2015, and now 2017-present ...

- How a **self-regulated** profession works;
- Robert's Rules of Order (I'll admit I am still learning);
- The opportunity to meet/work with some **fantastic P.Geos.** on Council;
- Traveling to various parts for Council meetings (including one held at a gypsum quarry with a post-meeting trip to view a blast!);
- Network with our members at the AGM and various social events;
- The opportunity to **represent Nova Scotia** at the Geoscientists Canada meetings (Fredericton in 2009 and St. Johns in 2018);
- What is involved in an Act and Regulation review (considering the Association's mandate, as well as being transparent and fair in relation to the Fair Registration Practices Act) ... thanks to Marjorie Hickey, QC for her guidance on this front! and
- **Having a voice ... to provide input** for how the Association is governed and for our 5 year Strategic Plan (establishing goals and priorities), and as a **stakeholder** in relation to proposed regulatory changes (related to mining, environment, energy).

This time of year, Council is set to review the budget for the upcoming year and is considering plans for 2019 AGM this spring, as well as hosting the Geoscientists Canada Meeting of the Members in 2020 (which is really not that far off) ... the Nominations Committee is about to make a **call for nominations** to Council. There is a lot to do and I do hope that you consider volunteering for the Association. The time you share is so worth it ... it definitely is an opportunity to be part of something bigger.

**Volunteer! Start where you are. Use what you have. Do what you can. - Arthur Aabe**

### **Geoscientists NS is on social media!**

Stay up to date with Geoscientists NS news and events; learn about the benefits available for members; job postings; educational material; professional development; involvement in the community; and more.

Connect with us on **LinkedIn**

<https://www.linkedin.com/company/geoscientists-nova-scotia/>

or

follow us on **Twitter** @GeoscientistsNS

## Understanding your Secondary Professional Liability Insurance

Lorelei Scott, FEC (Hon.), CAE, Manager,  
Member Services Engineers Canada  
and David C. Carter, P.Geo., FGC,  
Executive Director and Registrar

Members (Professional Engineers and Professional Geoscientists) in good standing at participating regulators, including Geoscientists Nova Scotia, automatically have **Secondary Professional Liability Insurance**. This unique program protects both you and the public in numerous scenarios involving whistleblowing, retirement, intellectual property, data loss, mentorship, and more. To learn more about the program, coverage amounts, and benefit increases available to you as of March 31, 2018, please visit the Engineers Canada website.

This year Engineers Canada continued its partnership with XL Catlin and Pro-Form Sinclair Professional in the delivery of the Secondary Professional Liability Insurance program on behalf of participating engineering and geoscience regulators. The program benefits engineers and geoscientists by providing coverage in situations not covered by primary insurance, and it also assists engineers and geoscientists in maintaining public safety through features such as whistleblower coverage.

Because engineers and geoscientists at participating regulators are often not aware that they have this coverage, we are planning an information campaign to share the program's features over December and January, using a combination social media posts and coverage in the Engineers Canada newsletter as well as the Geoscientists Nova Scotia newsletter.

To support this campaign, we have created a series of short animated videos and improved our web content. These are intended to provide a concise, "plain-speak" overview of the Secondary Professional Liability Insurance program's features and benefits.

### General video

English: <https://www.youtube.com/watch?v=I62fCLRU45Y>

French: <https://www.youtube.com/watch?v=o39ECZDppq8>

### Whistleblower video:

English: <https://www.youtube.com/watch?v=EHsyzr3Bw7c>

French: <https://www.youtube.com/watch?v=ts-iyfjfoE>

### Website

English: <https://engineerscanada.ca/services/insurance-financial-and-other-benefits/secondary-professional-liability-insurance>

French: <https://engineerscanada.ca/fr/services-aux-ingenieurs/assurance-et-avantages/assurance-responsabilite-professionnelle-secondaire>.

For additional information please contact:

David C. Carter, P.Geo, Executive Director and Registrar  
at 902-420-9928 or [registrar@geoscientistsns.ca](mailto:registrar@geoscientistsns.ca).

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## Nova Scotia Energy & Mines

The latest edition (Summer/Fall 2018) of **The Geological Record** is available on the Geoscience & Mines Branch website: Issue: <https://novascotia.ca/natr/meb/pdf/tgr.asp>

Topics include: Transition from DNR to Energy and Mines; Nova Scotia Geological Survey; Staff changes; South Manchester Hematite Vein; Cliffs of Fundy Geopark; RFG 2018 report; Industry Liaison's report; Mineral Resources Development Fund report

## What's Happening with the National Professional Practice Exam (NPPE)?

Robert Stewart, P.Geo.,  
APGNS NPPE Committee Representative

One of the requirements for entry to professional practice and professional registration for both Engineers and Geoscientists across Canada is the successful completion of a Professional Practice Examination. The Association of Professional Engineers and Geoscientists of Alberta (APEGA) has shared the administration of their examination with other Canadian jurisdictions for over 30 years. It is presently used by 12 out of the 16 Canadian engineering/geoscience regulators. The National Professional Practice Exam (NPPE) is administered in jurisdictions which host 88% of all registered Canadian geoscientists. Only Saskatchewan, Quebec administer their own professional practice examinations for geoscientists. Saskatchewan, Ontario and Quebec use their own professional practice exam for engineers.

The National Professional Practice Examination Advisory Committee (NPPEAC) and the Professional Practice Committee (PPEC) provide oversight to the NPPE. In mid-2018, the NPPE was refined to reflect the syllabus and examination weightings approved by the NPPEAC at the Engineers Canada Annual Meeting held in Halifax in 2017. David Carter, P.Geo., APGNS Executive Director and Registrar, is the APGNS representative on the NPPEAC. These changes were part of a recurring 5-year update to the syllabus to reflect changes in the profession and were based upon the recommendations of the PPEC. Bob Stewart P.Geo. has served as the APGNS representative on the PPEC for the past 3 years.

The PPEC currently has 6 engineers and 2 geoscientists serving as Subject Matter Experts (SMEs) and they meet about 20 times per year by teleconference to review potential questions prepared by about 20 authors. On October 4<sup>th</sup> and 5<sup>th</sup> 2018, the first in-person meeting of the PPEC with APEGA staff, question authors, translators and an Engineers Canada representative took place at the APEGA office in Calgary. Over 30 participants met for presentations by APEGA and PPEC members and for a hands-on question development and review session.

Greg Pope, APEGA Director of Examinations, reviewed the evolution of the NPPE since its inception almost 50 years ago. The NPPE is considered a “high-stakes”, “entry-to-practice” examination which means it must be fair, relevant, and defensible. Other professions write comparable examinations but APEGA and the PPE are on the leading edge of all Canadian professional practice examinations by rigorously applying psychometric defensibility, technological innovations and best practices throughout the development, testing, administration and assessment of the NPPE. Front-end question development is accomplished through a secure platform provided by a third part contractor, Yardstick, who also coordinate the logistics, location and timing of the computer-based NPPE.

Stan Zwierzchowski, P.Eng., has taught Professional Practice courses at the University of Alberta, School of Engineering, and is the very well qualified Chairperson that led the NPPEC through the 2016-2017 professional practice syllabus review and recommendations. His presentation highlighted the challenge for a syllabus to include material relevant for both engineers and geoscientists that are embarking on their career and the material must be applicable to almost every jurisdiction. Every NPPE question is based on the 2017 Syllabus which has six categories that receive the following weighting on each administration of the exam.

- I. Professionalism (7 – 10 % or questions);
- II. Ethics (17 – 21 % or questions);
- III. Professional Practice (27 – 32 % or questions);
- IV. Law for Professional Practice (23 – 28 % or questions);
- V. Professional Law (7 – 10 % or questions); and
- VI. Regulation of Members & Discipline Processes (7 – 10 % or questions).

## Student Outreach Program Update - Fall

Mike Power, P.Geo., Chair Student Committee  
and Maureen Matthew, P.Geo.

The APGNS Student Committee has had a very active start to the academic year, as we conducted visits to the Atlantic Universities Geological Conference, as well as St. Mary's and Dalhousie Universities. These visits served to inform undergraduate and graduate students about professional registration requirements with our organization, and also to meet and network with current students in Atlantic Canada that are thinking of obtaining professional status in Nova Scotia.

The first event was the Atlantic Universities Geological Conference (AUGC) 2018, hosted by Dalhousie University. Mike Power, P.Geo., our Student Committee Chair, manned the APGNS booth with student member forms, Geoscience for Society Pamphlets, and the APGNS banner. Mike received lots of interest at this booth from eager students keen to learn about becoming a P.Geo. and obtaining geology employment in Nova Scotia. also attended the AUGC Closing Banquet and was able to both meet and sign up student members from all four universities in Nova Scotia.

The St. Mary's University outreach event was held at the Gorsebrook as the featured talk in the ongoing GeoBeers seminar series, with approximately 20 people in attendance. Nachos and refreshments were provided by the APGNS, and many thoughtful questions were asked, such as, will an advanced physics course count towards my P.Geo.? The answer - each case is judged case by case, but in all likelihood that course will count. Highlights included Maureen sharing some of her engineering geology project experiences such as working on highway earthworks structures, and Mike recounting some of his mineral exploration experiences. Student members were signed up at this event as well.

The Dalhousie University outreach event was held in the Milligan Room at the Dal Earth Science Department overlooking a stunning view of Point Pleasant Park and the Northwest Arm. Approximately 25 students attended this talk, also part of the Dal Geobeers series, with pizza being provided by the APGNS. As this was her "Alma Mater", Maureen was especially excited to present to students and answer many questions! Student members were signed up at this event as well, and many great questions were asked, such as "how easy is it to transfer professional registration?" The answer - very easy! Just fill out a form.

We are planning more student outreach events for the winter of 2019, including a technical writing workshop and possibly a student event at the AGS in Fredericton. Stay tuned!



Mike Power, P.Geo., at the APGNS booth at AUGC 2018



Mike Power, P.Geo. and Maureen Matthew, P.Geo. presenting at the SMU Geobeers seminar

## A Guide to Geoscientists Nova Scotia Continuing Professional Development (CPD) and Competency Assurance Program

by David C. Carter, P.Geo, FGC, Executive Director and Registrar

APGNS has a legislated mandate to self-regulate the practice of geoscience and to register geoscientists (this constitutes “**right to title**” and “**license to practice**”). Self-regulation of the geoscience profession is not automatic. It is a privilege that has been granted under the **Geoscience Profession Act**. It is contingent upon the professional association providing a mechanism for registrants to demonstrate their individual competence to the public.

The challenge for the Association, and for the geoscience professional, is to ensure and maintain professional competency in a changing social, economic, and technological environment. It requires that the professional must commit to life-long learning and embrace the ability to adapt to change.

**Continuing professional development and competency assurance (CPD)** keeps professionals up-to-date. It provides protection to the public and it raises the image and esteem of the profession. The benefit to the practicing professional geoscientist is in maintaining knowledge and skills that would otherwise become out of date if left without renewal. When it is time for promotions, pay raises, new job challenges or new clients, an effective and documented CPD record can aggressively move the individual’s career forward.

**Continuing professional development and competency assurance (CPD)** is an opportunity for the professional geoscientist to take control of his/her career by:

- expanding your professional, technical and theoretical skills and capabilities,
- providing increased value to employers and clients,
- improving your professional image,
- increasing your marketability to other employers and clients, and
- facilitating your mobility to other professional jurisdictions (most of which have or are developing compulsory CPD requirements).

Other important CPD notes:

- It is essential that a professional geoscientist engage in lifelong learning.
- Mandatory continuing education and professional development reporting has been adopted in most of the Canadian self-regulating geoscience and engineering associations.
- The APGNS CPD program is consistent with the requirements of other self-regulating professional geoscience associations in Canada, including the specific components and credits for Professional Development Hours (PDH’s).
- Licensees may comply with requirements of the APGNS CPD program by reporting their activities to their home association and providing a copy of the report(s) to the APGNS Registrar.
- MIT’s are expected to demonstrate compliance with the requirements of the program through the preparation and submission of their work experience diaries.
- Retired members are encouraged to voluntarily submit CPD reports.
- To meet the requirements of the APGNS CPD program, each member is required to:
  1. maintain a record of their personal CPD activities; and
  2. provide a detailed annual report of their CPD activities to the Association.



## NPPE (continued from page 6)

The NPPE has never been just an “ethics exam” and partner associations still have the flexibility to include additional questions on provincial matters such as Acts and Regulations; Association by-laws, etc. Two textbooks are presently used to prepare for the NPPE:

1. **Canadian Professional Engineering and Geoscience- Practice and Ethics** by G.C. Andrews *et al* (5<sup>th</sup> or 6<sup>th</sup> edition); and
2. **Practical Law of Architecture, Engineering and Geoscience** by B.M Samuels and D.R. Sanders (3<sup>rd</sup> Edition).

Becky Kallal is an NPPE item development coordinator and editor who works closely with Greg Pope, the PPEC and the item authors to ensure a steady flow of quality questions are reviewed each month. Her presentation focussed on the common do’s and don’ts for developing quality questions. These instructions were quite helpful for the item development and review sessions that took place each day.

Bob Stewart’s presentation focussed on why preparation for and successful completion of the NPPE is so important for Canadian geoscientists. The point was made that in addition to geoscience work experience as a Geoscientist/Member-in-Training (GIT/MIT), the NPPE is often a geoscientist’s first exposure to what constitutes professional practice. Undergraduate engineering students take courses on professional practice during their academic studies from educators who must themselves be Professional Engineers. [There is no academic requirement for a professional practice or ethics credit included in the Geoscience Knowledge and Experience Requirements for Professional Registration in Canada \(GKE\)](#). An informal survey of 31 university geoscience/earth science departments across Canada completed in 2016 by this author suggests that approximately 20% of faculty are registered professionals (P.Eng. or P.Geo.). That data suggests that there is much room for improvement in preparing the next generation of geoscientists for professional practice .

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## CPD (continued from page 9)

- CPD reporting is mandatory for APGNS members. Each member and licensee will receive a CPD Report Form along with their annual invoice for professional fees. The CPD report should be submitted by December 31<sup>st</sup> of the calendar year, (along with the payment of annual professional fees).
- All members are expected to accumulate and document a minimum of 60 Professional Development Hours (PDH’s) per year and a minimum of 240 PDH’s per three year period. Additional PDH’s, i.e. more than the required 60 PDH’s, may be carried forward for two years.
- Examples of reportable Professional Development Hours (PDH’s) are included in the CPD program guide. Acceptable activities include professional practice and profession-specific training, as well as participation in Association positions and activities, such as service on Boards or Committees. Volunteer participation in community-based activities are also recognized.
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For additional information please contact David C. Carter, P.Geo, Executive Director and Registrar at 902-420-9928 or [registrar@geoscientistsns.ca](mailto:registrar@geoscientistsns.ca).

## Announcements

**Diane Webber, P.Geo., FGC**, has been appointed Manager of Geoscience Information Services in the Geoscience and Mines Branch. Diane began her new duties on September 4. She has previously worked in industry as a Geologist, Senior Project Geologist, Chief Mine Geologist, and Director of External Relations and Communications. She joined NSDNR in 2009 as Senior Geologist – Industry Liaison and since then Diane has taken on many roles and responsibilities, including acting as Manager of Resource Evaluation and Engagement, Acting Director of Organizational Strategy and Renewal, and Acting Manager of Geoscience Information Services where she was responsible for designing and implementing the Mineral Resources Development Fund. Diane has been a member of APGNS since 2005. She has served on Council, as a member of the Professional Development Committee and the Mining and Energy Committee and she continues to serve on the Admissions Board.

**Tamara Moss, P.Geo.** is the new Industrial Minerals Geologist for the Geoscience and Mines Branch. Tamara has been the Exploration Monitoring Geologist, based in Stellarton, for the last year and a half, but will soon be assuming new duties as Industrial Minerals Geologist, based in Halifax. She will continue the role of exploration monitor until that position is filled. Tamara received a B.Sc. from Dalhousie University in 2006, and an M.Sc. from Acadia University in 2010, where she studied a copper-molybdenum deposit in Chile. She has also worked on exploration and mining projects in northern Ontario, Quebec and the Maritimes. Tamara has been registered by APGNS since 2012 and has been a P.Geo member since 2014.

**Scott McCarthy, P.Geo., FGC**, APGNS Past-President, has been named Chief Operating Officer of Pinchin Ltd, after the merger of Nova Scotia-based Pinchin LeBlanc Environmental with Ontario-based Pinchin Ltd.

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Do you know  
your Rigs?



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Jeff Parks, P.Geo. FGC

Public Appointees to Council  
Elizabeth McIsaac, JD  
Roxanne Tate, P.Eng.

**Appointments**  
Geoscientists Canada Director  
Jeff Parks, P.Geo. FGC

Canadian Geoscience Standards  
Board Representative  
Cliff Stanley, Ph.D, P.Geo, FGC

National Professional Practice  
Exam Committee  
Robert Stewart, P.Geo.

Newsletter Editor  
Kelsey O'Brien, P.Geo.  
[Kelsey.obrien@stantec.com](mailto:Kelsey.obrien@stantec.com)

## Newsletter Advertising

Geoscientists Nova Scotia is now accepting newsletter advertising as full, 1/2 or 1/4 page camera ready inserts. All submitted advertising is subject to approval as per the AGNS Communications Policy.

For more information, or to submit camera ready layout material please contact David Carter, P.Geo, FGC - [exec.director@geoscientistsns.ca](mailto:exec.director@geoscientistsns.ca)

Location / Layout	Standard non-member rate per issue*	Standard member rate per issue*
Full Page	\$600.00	\$550.00
1/2 page	\$400.00	\$350.00
1/4 page	\$250.00	\$200.00

\* full year subscriptions will receive a 10% discount

The **GeoGazette** is a quarterly publication of Geoscientists Nova Scotia.

Members are welcome and encouraged to submit editorials, letters to the editor and articles of interest, including photographs, for publication.

Opinions and views independently expressed in this publication do not necessarily reflect those of Geoscientists Nova Scotia, the Council, Boards, Committees, and/or Staff.

Subscriptions to the **GeoGazette** are provided electronically to all registrants (members, licensees and members-in training, and student members) in good standing, and are included in the annual registration fees.

The **GeoGazette** will be distributed electronically and posted on the Association website ([www.geoscientistsns.ca](http://www.geoscientistsns.ca)).

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### APGNS Publication Policy

APGNS encourages the submission of articles and editorials for publication in the **GeoGazette** on topics related to the science and profession of geoscience.

Submittals shall be of interest to the members of APGNS, and others interested in earth science. Articles and editorials may be noted as follows at the discretion of the editor:

*"The opinions, positions and conclusions presented herein are those of the author and do not necessarily reflect the opinions, positions or conclusions of APGNS."*

All materials submitted for publication, including author opinions contained therein, shall include accurate and appropriate references. The Editor has the authority to solicit, edit, accept, or reject articles and editorials and other written material for publication. The APGNS Editorial Board has the authority, if it chooses to act on any particular case, to support or overrule actions of the Editor regarding the solicitation, editing, acceptance, or rejection of any particular article, editorial, or other written material for publication.