I am delighted to bring you this update on events and activities in 2011 and 2012. The department has been a very busy place during this time, continuing to educate large numbers of students, generating research results with broad-reaching and important impact, and benefitting tremendously from contributions from and interactions with alumni and companies. The future is very bright, as we continue to support and build on our considerable strengths, and develop new initiatives.

Wonderful recognition of our Department members’ successes continues to make the news as well. Dr. Noel James received the Order of Canada in September 2012, Dr. Ray Price received the Penrose Medal from the GSA, and the department has been awarded one of 11 Canada Excellence Research Chairs for Geoﬂuids in Sedimentary Basins.

Meanwhile, I would like to thank and congratulate Dr. Sandra McBride on her retirement from the department. In 1977, Sandra (B.Sc., Brown, M.Sc., Queen’s) became the first woman to be granted a Ph.D. in Geology at Queen’s. Teaching for 34 years, Sandra has been a very popular professor, introducing many students to the joy of studying geology. Thankfully, Sandra is only partially retired, as she continues to teach the first year, introductory geology course for science students.

Please stay tuned for an article about Sandra in the next newsletter.

I would be delighted to hear from any of you, if you have suggestions or questions, at: geolhead@geol.queensu.ca

With thanks and best wishes for 2013. D. Jean Hutchinson, Department Head

Jean Hutchinson
**Department News**

The good news from the Department is voluminous! Select stories are highlighted here. To keep up to date with news items, please visit the departmental web site at: [http://www.queensu.ca/geol/news-events/news.html](http://www.queensu.ca/geol/news-events/news.html)

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**Dr. Raymond Price**

Dr. Raymond Price, Member of the Order of Canada, was awarded the Penrose Medal, the top prize by the Geological Society of America “in recognition of eminent research in pure geology, for outstanding original contributions or achievements that mark a major advance in the science of geology.” Ray delivered the Penrose Gold Medal Lecture entitled “The influence of conceptual models and geo-poetry in tectonics and structural geology”.

Ray Price receiving the Penrose Medal from Dr. George Davis, President of the Geological Society of America in November, 2012.

Ray remarked “I am deeply grateful to Tekla Harms and other colleagues for my nomination; and to my wife, Mina, for 56 years of encouragement and support, in the field and the lab, as well as at home. I am also grateful for my good fortune over the past 60 years, including exceptional mentors, scientific colleagues, and graduate students; and the outstanding research opportunities available to me during my association with the Geological Survey of Canada (GSC) and Queen’s University.”

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**Graduate Student Honours**


Dr. Pete Quinn, 2012. R.M. Quigley Award, Canadian Geotechnical Society. For the best paper published in the “Canadian Geotechnical Journal”.

Dr. Kyle Larson. 2011. Dave Elliot Prize, Geological Association of Canada. For the best paper published in “Tectonics”.


This is the third time in the past 6 years that students from Dr. Laurent Godin’s Queen’s Tectonics Research Lab have won this award. Chris joins past winners Dawn Kellett (2006) and Kyle Larson (2009).

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**Dr. Jean Hutchinson**

Jean Hutchinson (far left) was elected a Fellow of the Engineering Institute of Canada. The award citation notes: excellent contributions in geotechnical engineering, engineering geology and rock mechanics, where her research has had a strong impact on practice, and exceptional dedication, resourcefulness and enthusiasm in teaching.

March, 2011.
**Dr. Noel James**

Dr. Noel James became a Member of the Order of Canada in September, 2012. This honour recognizes Noel’s exceptional academic career in sedimentary geology, and the extensive national and international influence of his research findings.

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**Rob Harrap**

Rob Harrap recently joined the faculty as a continuing adjunct professor, after many years as an occasional instructor. He completed his BSc in Geological Engineering at Queen’s, followed by an MSc in structural geology and tectonics at Carleton in 1990. He has worked predominantly in computational geology and GIS since that time, on projects ranging from field mapping software systems, through terrain analysis, through design of games that teach geographic concepts. His teaching interests include terrain evaluation (where he worked with Al Gorman to gracefully transfer teaching of the long-standing Terrain course), GIS, geological engineering and mineral exploration field courses, and the geological application of geophysical methods. Rob also maintains an active consulting practice focusing on GIS education for mineral exploration and resource organizations.

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**Dr. Dan Layton-Mathews**

Dan Layton-Mathews was awarded the 2012 William Harvey Gross Award, by the Mineral Deposits Division (MDD) of the Geological Association of Canada. This award honours a geoscientist less than 40 years of age who has made a significant contribution to the field of economic geology in a Canadian context.

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**Al Grant**

Al Grant graduated from an Honours degree from the department in 1975, followed by a Masters of Science under the guidance of Dr. Peter Roeder. After working in the minerals exploration industry, Al returned to Queen’s to obtain a Bachelor of Education in 1985. He then worked as a Research Associate with Professor Ian Nichol from 1986-1990. In 1990 Al became the Analytical Technician responsible for X-ray Fluorescence, X-ray Diffraction and Scanning Electron Microscopy. Al is acknowledged in countless Undergraduate, MSc. and PhD. theses since 1990. All of these students thank him for his patient and good humoured support of their thesis work. Al has been an essential part of the analytical facilities of the department since 1990. His broad background in the earth sciences and his practical abilities with a soldering iron and a pair of pliers have meant that the labs he has operated over these years have been a dependable and integral part of the resources of the department. During his retirement in Napanee, Al plans to improve his already formidable hockey skills and to work tirelessly to improve his golf game.
Astronaut Dr. Drew Feustel (Ph.D., Queen’s, 1995) returned to Queen’s University for a visit in the fall of 2011, following space missions STS-125 and STS-134. During his visit, Drew presented Principal Woolf with a tri-colour banner taken to space in 2009 during the Hubble Telescope repair mission – the banner traveled 5.3 million miles and orbited the earth 197 times.

Drew gave lectures to the public, in Grant Hall, and in Miller Hall, to members of the department. Drew’s visit gave us a wonderful opportunity to hear about his amazing adventures in space and his perspectives on the planet Earth and our place on it.

On the 40th anniversary after their graduation, eight members of Sc.’72 (Geology) (34% of the graduating class) returned to the Queen’s Geology Department, at their own expense, to present one project from their long careers. The purpose was to encourage the current crop of students and to show some of the many different career paths that they might consider after graduation. Additional information about the speakers and the subject of their talks can be found at: (http://www.queensu.ca/geol/news-events/news/archives/2012/Gradsgiveback.html)
Alumni Reunions

The fall reunions are a wonderful opportunity for Queen’s alumni to meet and reconnect, and for members of the department to be energized by the collective and infectious enthusiasm for Queen’s and for the department.

Our hosts deserve heartfelt thanks for their incredible support of our reunions, by opening their homes or work spaces and providing such marvelous food and drink.

- In Calgary, Roger and Lorna Smith;
- Vancouver, Colin Joudrie, Dawn Russell and Teck;
- Victoria, Jane Wynne and Mike Fecteau; Toronto, Jamie MacIntosh and David Stein.
- In Kingston, alumni Brad Wilson of Alpine Gems and Darryl MacFarlane of Grenville Minerals, kept their wonderful gem and mineral show open for the reunion held in the Miller Museum.

Upcoming GEOL Alumni Reunions

**Vancouver**  
Monday January 28th, 2013  
Cordilleran Round-Up

**Toronto**  
Tuesday March 5th, 2013  
P.D.A.C.

A small, but select group of alumni attended the reunion in Victoria, November, 2012.

Over 80 alumni attended the 10th Anniversary edition of the Calgary reunion, September, 2012.
Field Education

Geological Field Studies Fund
Goal = $2,000,000

$1,818,000 is currently endowed in this fund, which in 2011/12 provided 25% of the total costs for the undergraduate field trips (see diagram for the 2011/12 academic year).

To date, the funds include a total of: $733,000, raised in 4 named funds (Dr. Mike Hriskevich, Dr. Ian Nichol, Green Family, Dr. Stuart Jenness), and $1,077,000, by many donors.

The Paddon Thompson Memorial Geological Field Studies Fund has just been initiated with a donation from his family. Sadly, Paddon (Sci’10), passed away in February, 2012.

Shell Canada Funding
Shell Canada is providing corporate sponsorship for sedimentary geology field trips. A Shell representative is invited to attend these trips each year.

Fall Sedimentary Geology Field Trip
Bermuda Carbonates Field Trip

Named TAships

Goal - $200,000 per annum

The Named TAship program is based on annual donations of $5000, or more, typically pledged for at least three years.

Queen’s provides funding for teaching assistants, based on a relatively high ratio of students to instructors, which we are supplementing with this fund. We need approximately 40 sponsors in each year of the program, to ensure a high-quality learning environment in our laboratories, field trips and field schools. The fund benefits the students who work as Teaching Assistants, and the students being taught.

At this time:
Each $5000 donation adds two graduate or four undergraduate students to the teaching team for a course.
16 Sponsors have pledged $299,000 in total, over a number of years.

Geology Council

The “Queen’s Geology Council”, founded in September, 2003, has been very effective in their work to enhance the link between the Department and its alumni, to support the activities of the department through personal and group philanthropic endeavors, to advocate on behalf of the Department, and to provide outside perspectives and advice.

Members of the Council are drawn from graduating years spanning 1971 to 2004, from a variety of professional geo activities, and from Vancouver, Calgary and Toronto.

The Council, Chaired by Roger Smith, includes Colin Joudrie, Gordon Keep, KatieAnne MacInnis, Jamie Macintosh, Bill Slavin, David Stein, Michelle Wright, and Vicki Yehl, as well as members of the Department and the Office of Advancement.

The following Named TAship sponsors are gratefully acknowledged:

Corporate Sponsors:
ARC Resources, Bruce Geotechnical Consultants Ltd., Endeavour Silver, Han Occi Mining Advisors, Klohn Crippen Berger, Thurber Engineering Ltd.

Individual Sponsors:
Wayne Foo & Lynne Marshall
Brian & Debra Heald
Greg Heath
Paul Hemsley & Coryn Andre
Colin and Dawn Joudrie
Gord & Katherine Keep
Bill Pearson
Griff Murphy & Anne Raymond
Roger & Lorna Smith
Marc Prefontaine
Rick Wasfy and Katie Anne MacInnis

We would also like to acknowledge and thank previous members of the Council for their efforts:
Grant A. Bartlett, Dan Brisbin, Ken Cai, Mike Doggett, Mike Rose, Kathy Scales, Jo-yi Wei, and Jane Wynne.

The initial goal of the Queen’s Geology Council was to raise an endowment of 2 million dollars to support field study activities within the Department, and thereby to reduce the students’ payment for such activities. The original $2million target is in sight – which is wonderful news. Recently, as new needs and opportunities have been identified, other fund-raising initiatives are being supported by members of the council.

The total amount of money donated to the various funds, since the creation of the Council, is $3,273,000.
Funding

Al Gorman Fund

Initiated recently, this fund has been created to commemorate Al’s love of teaching and positive influence on so many Queen’s graduates. The objective of this fund is to enhance teaching of introductory geology, quaternary geology and air-photo courses. The fund has a number of possible targets, depending upon the donations received.

Dr. Ray Price

In June, 2012, Queen’s University recognized Ray’s tremendous contributions in two ways. The renovation and naming of the Dr. Raymond Price Teaching Laboratory, provides a lasting tribute. This project was spearheaded by Wayne and Gordon Foo, and was enthusiastically championed by Paul Price. Supported by graduates of Ray’s group, the room has been transformed into a state-of-the-art classroom designed for up to 50 students in a modern (non-Soviet era) laboratory setting. A professionally curated set of teaching samples for the Field Methods and Structural Geology courses is housed in the room. In addition, Ray’s Operation Bow-Athabasca Cordilleran map sheets have been mounted on the wall. Ray was also awarded an honorary degree by Queen’s University at the 2012 spring convocation.

Stock Options

This unique fund raising opportunity involves companies donating stock options. As explained by Gord Keep: “When companies grant stock options to directors, officers and employees, they can also set aside an amount for charitable giving. A stock option allows Queen’s to purchase a specified number of shares in the company at a set price, for a set period of time. The University then exercises the options at a later date and uses the proceeds to fund programs for students. This is a very easy, cost-effective and risk-free method of giving. The funds realized by Queen’s do not come out of pocket, but rather from company growth.”

Multiple contributions via Gord Keep, providing funding to the MinEx program, the Named TA program and the Field Studies program, along with the purchase of new ground penetrating radar and seismic equipment.

Stock options have also been contributed by

Ken Cai, Minco Gold, and Ian Foreman, Yale Resources.

Wayne Foo, who provided a substantial foundational gift, was joined by the following donors, whose generous support is gratefully recognized:

Ted Bogle,
Maurice Colpron,
Carol Evanchick,
Peter Fermor,
Gordon Foo,
Tekla Harms,
Trygve Hoy,
Paul Price, and
Mike Stewart.

Parex Resources and Spectra Energy provided matching gifts.
Staying in Touch

To receive information via email about upcoming departmental alumni events, or to receive the departmental newsletter, please ensure that your personal information on file is current. You can update your contact information at: https://adv.queensu.ca/biographicupdate/

To save paper, we have sent this newsletter to everyone for whom we have a valid email address. If you received a copy of this newsletter by mail, and would like it to be delivered by email next time, please update your contact information.

Please forward the electronic link to the newsletter to your classmates, in case we have lost touch with them: