



## NEWS FROM THE DEPARTMENT

**Awarded.** John Hanes was selected by first year engineering students as co-winner of the Applied Science Teaching And Learning Award, in recognition of the excellent teaching environment he creates in his classroom. With his great record, no one was surprised.

**Awarded.** To Alexei Poustovetov, Dr. P.L. Roeder's last Ph.D. student, the Leopold Gelinus Gold Medal for the best Ph.D. thesis submitted to the Volcanological and Igneous Petrology Division of the GAC. His thesis is titled "Numerical Modeling of Chemical Equilibria Between Chromian Spinel, Olivine, and Basaltic Melt, with Petrologic Applications".

**Awarded.** To Elizabeth Turner, the 1999 Canadian Society for Petroleum Geologist's awarded for the best Ph.D. thesis in sedimentary geology, petroleum geology, and structural geology in Canada. The title of her thesis is Growth Dynamics, Framework Compositions, and Microstructure of Giant Early Neoproterozoic Calcimicrobial Reefs, Little Dal Group, Mackenzie Mountains, N.W.T. Noel James and Guy Narbonne were co-supervisors.

**Accreditation.** Geological Sciences and Geological Engineering together with Physics, Mathematics and Engineering Chemistry were accredited by CEAB for three years. We are required to report to CEAB in three years that we have followed through with bringing up our number of Professional Engineers.

**Highlighted.** Guy Narbonne's studies on Precambrian Ediacaran fossil assemblages was reported on in the May-June issue of Alumni Review (pg. 38-39)

**Homecoming.** There will be an Open House at the Earth System Information Centre and Reading Room (the old Bruce Wing Library) from 9.30 till noon, Saturday, September 23, 2000. Make a point of dropping by, and see what changes time was wrought.

**Leaving.** Robbie Millard, (Ph. D., Queen's, 1997) who was filling in for Ron Peterson, has accepted a teaching position at the University of Western Ontario. She will be missed, especially by the Rockhounds, Geology's summer softball team.

**Leaving.** Eric Hiatt, who has been looking after sedimentology while Noel James is on leave, has accepted a teaching position at the University of Wisconsin, Oshkosh. Eric has done a great job here, he and Sandra McBride were both nominated for the Frank Knox Excellence in Teaching Award. We wish him every success in his new job.

**Leaving.** Greg Holk, a postdoctoral fellow who was filling in for Kurt Kyser in the second year geochemistry course, is heading for a teaching position at the California State University at Long Beach. The standards there will probably be raised considerably. Don't ease up on the little so-and-so's!

**New Trend.** In the past, we have had an occasional exchange student. This year we had two, and next year we will have seven, four from Leeds, two from Aberdeen and one from Germany. The word is out internationally, for Geology, Queen's is the place to be.

**Reclaimed.** The Fur Cup again resides in Miller Hall as Geology defeated Mining 6-4 in the 43<sup>rd</sup> edition of this classic hockey match-up. Mike Doggett scored once and set up two. Other stars were John Hanes in net, Brian Peterkin on defence, and Mike and Don Simmons up front.

**UNDERGRADUATE AWARDS- Spring Convocation**  
**Medal in Geological Engineering** - Sarah Anne Forté  
**Medal in Geological Sciences** - Katherine Mae Dilworth  
**The Susan Near Prize** - Nicole Andrea Auty  
**Leonard G. Berry Award** - Katherine Mae Dilworth-  
**Major James A. Rattray Scholarship** - Sarah Anne Forté  
**The Thayer Lindsley Book Prize** - Carly Grimson

### RECENT GRADUATE DEGREES AWARDED

**Ph.D.** Anastassios Grammatikopoulos, (Fall, 1999)

**Ph.D.** Alexei Poustovetov (Spring, 2000)

**M.Sc.** George William Ardies, (Fall, 1999)

**M.Sc.** Imogen Clare Robinson (Spring, 2000)

### The Fourth Decade-1924 to 1934. From Charleston to No Fun

At the beginning of the decade, flappers were dancing the Charleston, but by the end, the major depression of the century left the country reeling. The combined geology and mineralogy departments started with three professors, Manley Baker, Bruce Rose, and Louie Bruce, all graduates of Queen's. A new professor, J. Edwin Hawley, another Queen's grad, was added in 1930, and stayed for 33 years. So the decade ended with four professors, two in geology and two in mineralogy, in a department that awarded a total of 41 degrees in ten years. Eleven of the degrees were Honours, B.A.'s, including two to women, Ethel Caverhill in 1928 and Alwinda Martin in 1929. Others B.A.'s went to Alfred Walton Jolliffe, B.A., 1929, Ph.D., Princeton, and Edwin Darwin Kindle, B.A., 1930, Ph.D., Wisconsin. In 1931, they earned two of the decade's five M.A.'s. Both joined the GSC, and later switched to



teaching careers, Kindle at City College, New York, and Jolliffe first at McGill, then in 1950 at Queen's, where he taught about 6000 first year engineers over a 22 year span. A book, "No One Way", describing the careers of twelve outstanding Canadian university teachers, chose to recognize his skill in front of a class.

In the Faculty of Applied Science, nine M.Sc.'s were awarded, two to non-Queen's grads, two to Queen's Miners, and five to Queen's geologists. At least five of the nine went on to Ph.D.'s, four choosing exploration careers, and the fifth, G.G. Suffel, B.Sc., 1925, M.Sc., 1927, Ph.D., Stanford, after years with Noranda, took up teaching at U.W.O. Besides those that completed both B. Sc.'s and M.Sc.'s in the fourth decade, at least another five of the decade's 16 B.Sc.'s went on to graduate degrees, four at Queen's and one, Harold W. Fairbairn, getting both an M.A. and a Ph.D. at Harvard. Fairbairn taught for two years at Queen's, but most of his career was at M.I.T. With the few exceptions mentioned above, it appears that all the B.Sc.'s ended up in Mineral Exploration.

Miller Hall was completed in 1930 at the east edge of the campus. At that time, the north side of Union Street had private houses from the John Deutch Centre (aka The Union) all the way to Barrie. There were even houses between the front entrance of Miller and Arch Street. Directly behind Miller facing Arch was the Jock Harty Arena. When completed, the value of Miller Hall was set at \$242,852.44, but it's value went up in 1933 when a X-Ray spectrometer was obtained. I don't know how an average of less than 8 undergrads and 3 grads managed to squeeze into Miller in the '30's, but I know how it was in 1955. The main floor was all museum, and included typical geological displays like suits of armour and boomerangs. The top floor was the Mechanical Drawing Department. Squashed in between was Geology. Room 225 and the Fourth Year Room were teaching labs for all first year engineers and first year A & S. The engineers took a full year course, with lectures at 8.00 AM Friday and Saturday. Labs were from 9.00 till 12.00 AM on the same days. Room 201 was much larger and had numbered seats. Attendance at lectures was compulsory, and Dr. Jolliffe took attendance by writing down all the seat numbers he could see. An engineer taking a weekend off would hire another student to sit in his seat so that Dr. Jolliffe could not see his seat number. The main geology office was that little six foot square cupboard next to the office presently occupied by Sandra McBride. The department was growing and a few years later obtained possession of the top floor. For a while, Geography occupied part of the main floor, but then moved on to Ontario Hall. Next, our library occupied most of the main floor East Wing, but it moved with the building of the Bruce Wing in

1972. At that time, the final major structural changes in Miller's 70 year history were made.

W.A. Gorman

CROSSWORD PUZZLE

Grid for crossword puzzle with numbered squares 1-58 and blacked-out squares.

ACROSS

- 1. Structure to hole organic fluid
5. Geologic tenet, 1st word
7. Crinoid disk set
11. Bush camp medium
13. Arizona town
14. A Farrar gas
15. 2nd word, 5 across
18. 3rd word, 5 across
19. Concerning
20. Heat unit
21. Boat driven by heated water
23. 4th word, 5 across
25. Stop action
26. 5th word, 5 across
28. Propulsion device
30. No seats left
31. Kipling hero
32. Looking happy
33. Uplifted in India collision
34. Period of time
35. Calgary creek
37. Montreal pal
38. New forensic aid
39. Marine vegetation
40. Big hill
42. Blood type
44. Internet address
45. CaAl2Si2O8
46. 6th word, 5 across
48. Wears away
51. Yes in Quito
52. Remove stuff geologically
54. Radioactive gas
55. Get past in hockey
57 7th word, 5 across
58 8th word, 5 across

DOWN

- 1. Facet of your character
2. Forerunner to SAR
3. Towards in Rome
4. Diamond container
6. Written records of events in a court
7. Packages of joints
8. New on Landsat 4
9. Towards top, prefix
10. Dugalds office
12. Alternatively
13. 2/3 of a real blast
16. Fades
17. Prefix, Italy et al
19. Arsenic mineral
22. Mine cage operator
24. A hulk
27. Best way to get editor
29. Caviar
31. N Z. parrot
35. Unfocussed object
36. German forest
38. Got age of
41. A medium
43. Complement to dip
47. Sought by some of us
49. Metal in green cyclic silicate
50. Atomic No. 68
51. Help
53. I agree
55. Legal prosecutor



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## ALUMNI UPDATE

### 1965

**Morland Smith**, Ph.D., B.Sc., '60, M.Sc., '62, Queensland, taught for two years at Ottawa, then switched to a mineral exploration career, working first in New Brunswick, then returning to Australia to work for Union-Hanna-Homestake in Kalgoorlie. For the past 25 years he has been based in Perth, and has worked throughout Australia and overseas in Indonesia, West Africa and Argentina. He is now retired. (oro@mail.iinet.net.au)

### 1966

**Neil O'Donnell**, B.Sc., Eng., has left Mobile Augers and Research Ltd., and will become an instructor with the Keyano College Environmental Technology Program in Fort McMurray. (nodonnel@telusplanet.net)

### 1970

**Bruce Downing**, B.Sc., Hon., M.Sc., Toronto, '73, lives in White Rock, B.C., and works for Gamah. In 1997, he received the Professional Engineers and Geoscientists Chris Westerman Award for professional and community service. I emailed Bruce twice to see if he wanted an address included, but both addresses given were unreachable.

### 1971

**Huybert Marinus Kluyver**, Ph.D., has been moving around a little. He was with Derry, Mitchener and Booth in Toronto for three years, then was with Watts, Griffis and McOuat in Iran for 2 1/2 years, then with RTZ in London for 2 1/2 years, then spent 3 years in Saudi Arabia with RTZ. Next, for 12 years he was a self employed editor and translator in France, before becoming Head of Translation Services for BREM in France. After a year, BREM sent him to Saudi Arabia, where he was senior editor and translator about a year ago. He could be anywhere by now.

### 1973

**Clifton Farrell**, B.Sc., Hon., A.M., '74, Ph.D., '79. Harvard, is working on US and international regulatory issues for the nuclear fuel industry for the last 2 years at the Nuclear Energy Institute, in Washington, D.C. The NEI is the principal policy organization for the nuclear industry. Clifton monitors uranium mining, transport of radioactive material and fuel fabrication activities, including importation of Russian uranium and plutonium into the US. He coordinates US nuclear regulations with those of the International Atomic Energy Agency, and works closely with Canadian nuclear entities. (cwf@nei.org)

### 1974

**Bob Moore**, B.Sc., dropped by in July with his son. He is president of Force 10 Resources, a geological consulting firm in Calgary. Hasn't changed a bit!

**Mike "Cowboy" Stewart**, B.Sc., Eng., has lived up to his nickname, he owns an 800 acre working cattle ranch in the Alberta foothills. He spends weekends there with his wife Caron and two kids. During the week, he acts as Executive Vice-President for Westcoast Energy Inc. with responsibilities for investments in big gas pipeline projects. His company is again looking at the possibility of bringing gas down from Alaska and the Mackenzie Delta. (MStewart@wei.org)

**Dick Walker, B.Sc., Hon.**, after 9 years as Exploration Manager with PanCanadian Petroleum, has been assigned the position of Project Manager of a full scale visualization centre called TerraDeck. Geological and seismic data are displayed on a curved screen 24 feet wide and 8 feet high. Apparently you get a 3D impression that so impresses you that you'll never want to go back to paper maps and sections. Dick calls it "Virtual reality in the oil and gas business".

### 1978

**Peter Richards**, B.Sc., M.Sc., '82, Queen's, has left Trow in Sudbury to start his own consulting firm. He has been moonlighting by teaching hydrogeology at Laurentian for a few years now.



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**Kathy Scales**, B.Sc., Hon., '78, has moved within Petro-Canada to become an Environmental Advisor, looking after matters like greenhouse gas emissions (ghge). She works closely with Voluntary Challenge and Registry, a group originally established by NRC that monitors ghge. Her job is to demonstrate and record contributions to an overall ghge reduction initiative. She is also an advisor on global change issues. Her perspective as a geologist allows her to better evaluate long range changes, and better distinguish between natural and anthropogenic-induced global climatic changes. (KSCALES@petro-canada.ca)

#### 1979

**Ty Garde**, B.Sc., Eng., M.Sc., '83, Alberta, is presently manager of the Golder office in Kamloops, BC. (TGarde@golder.com).

**Sue Harvey**, B.Sc., Hon., is Manager, Information Technology & Office Services with Chevron. She and her husband of 8 years go RVing in Kananaskis country every weekend, cross-country skiing in winter and cycling in summer. Her goal is to cycle 5000 km every year, and she has reached the 3000 km mark at last report.

**Sheila (Hinton) Albon**, B.Sc., Hon., is Manager, Gas Supply, for Alberta Energy Co. While out of REAL geology, her background allows her to talk to engineers, geologists, and sometimes even geophysicists. Last year, she married a Yank from Omaha, Nebraska. Quote "If you can't get rid of 'em, marry 'em. (SheilaAlbon@aec.ca)

#### 1980

**Isobel (Wolfson) Tucker**, B.Sc., Hon., M.Sc., '83, Dalhousie, is the senior geologist for the Copper Stream for two mines at Mt. Isa, Australia, and is trying to learn the basics of geostats. See Tucker, 1981. (iwtucker@tpgi.com.au)

#### 1981

**Greg Tucker**, B.Sc., Eng., M.Sc. Mining, '83, is planning superintendant for the Lead Stream for 3 mines at Mount Isa, Australia. He pushed successfully for installing ramps at one mine and is now planning ramps for two more. Greg, his wife Isobel (Wolfson) (see 1980) and daughter Sarah have been enduring the heat of Mount Isa for about 4 years

#### 1983

**Adrian Schottroff**, B.Sc., Hon., Rotary Wing Pilot Diploma, Canador College, '86, (THAT'S a new one) moved to Minneapolis in '95 after 6 years in the Virgin Islands, where he was working in environmental and groundwater geology. After stints in damage assessment after the '97 Red River flood, and some environmental work, he joined US WEST Wireless as a construction coordinator in '98. He is presently married to Robin, a banker, they have two sons, two dogs and two vehicles.

#### 1985

**Chris Lloyd**, B.Sc., Hon., M.Sc., 1994, is still working for Cominco as an exploration geologist looking for zinc in all of Mexico. He is into caving and has his caving web site at [www.cancaver.ca/int/mexico/zotz/](http://www.cancaver.ca/int/mexico/zotz/) (cjlloyd@igu.net.mex)

#### 1986

**Keith Dewing**, B.Sc., Hon., M.Sc., Laurentian, '88, Ph.D., UWO, '95, has left the mining industry to join the GSC in Calgary, where he works on Lower Paleozoic sediments of the Canadian Arctic. (kdewing@nrca.gc.ca)

#### 1987

**Barry Billings**, B.Sc., Hon., is a Learning and Development Consultant with Development Dimensions International in Melbourne, Australia. He is involved in workshops in the Asia Pacific region.

**Eric Romero-Sierra**, B.Sc., Hon., B.Ed., '97, Queens, his wife Julie and sons Caleb and Riley are now living in Belleville, where Eric is teaching Grade 8. Julie is also teaching in the Nursing Department at Loyalist College. (enromero\_sierra@hotmail.com)



### 1990

**Leslie Kende**, B.Sc., Eng., MBA, '98, Nova Southeastern University, is Manager of Business Development and Reservoir Engineering (pnew) with Cabre Exploration, which is in the process of being sold. He lives in Calgary with his wife, Ruth, and their son, Noah, 20 months. (ruthles@home.com)

**Andy Williams**, B.Sc., Eng., is a Senior Geophysicist with Canadian Occidental Petroleum.

### 1993

**Heather Mace**, B.Sc., Hon., B.Ed., '94, Queen's, has returned from teaching Grades 7/8 in Bahrain and is presently working in Ottawa as a curriculum resource teacher, developing materials to support classroom teachers. This summer, she has been teaching intermediate science qualification courses to teachers at Ottawa U. (Heather\_Mace@ocdsb.edu.on.ca)

**Jocelyn Rutherford**, B.Sc., Hon., married Chris Johns in Edmonton in May, '99. (See '94). She is pursuing a masters in Archeology at the U. of S. See 1994.

### 1994

**Darlene Atkinson**, B.Sc., Eng., M.Sc., Alberta, '99, wanted to stay out west for the skiing, climbing, and paddling, so she took a job as hydrogeologist with Golder in Kamloops. (datkinson@golder.com)

**Chris Johns**, B.Sc., Eng., M.Sc., '99, Alberta, is now living in Saskatoon. (chrisjohns@canoemail.com). See 1993

### 1995

**Andrew "Snake" Bursey**, B.Sc., Eng., is a project engineer with McNally Tunnelling boring through Kentucky. He can be reached at andrewbursey@earthlink.net

**Melanie Cooke**, B.Sc., Eng., left Calgary a year ago to pursue an MBA at McGill.

**Amy Dumoulin**, B.Sc., Eng., spent part of last year up in the Tuk-Inuvik area cleaning up dew line sites. In July, she married Louie Jeromel (RMC) in Chatham where they bought a house last fall. Amy hoped to be able to continue her job from there.

**Laura Neville**, B.Sc., Eng., sent in news about everybody but herself. She hangs out with Lynn Reiche, who is getting married, Meera Nathwani, who commutes to Holland when she's not studying French or cross-country skiing, Kim Gross, who's marrying Dave Baker this Fall, Dave Baker, who's marrying Kim Gross this Fall, and Michelle Wright. (Ineville@canada.com)

**Janice Nunney**, B.Sc., Eng., is a geotechnical engineer working for Terraprobe in Brampton. She will be marrying Michael Brown in Costa Rica in January, 2001, and may have some GeoEng '95's helping her celebrate. (jnunney@hotmail.com)

### 1996

**Bernie Lyons**, B.Sc., Eng., was awarded an M.Sc. in Mining Engineering last May

**John Newgard**, B.Sc., Eng., returned from New Zealand, where he had started an M.Sc. in coastal engineering, and will be leaving his job as coastal engineer with NRC's Canadian Hydraulics Centre where he was building and testing physical models of coastal structures. He is moving on in September to complete his M.Sc. studies at Dalhousie. Still surfing, he has now taken up white-water kayaking. Dugald will be pleased.

### 1998

Classmates **Nadia Belanger** and **Art McCarthy**, both B.Sc., Eng., have just bought a house in a new subdivision in Northwest Calgary. Nadia is inspecting pipelines for the National Energy Board, while Art is doing 3D processing for Compagnie General de Geophysique Services, Canada. (nbelanger@neb.gc.ca)

**Chris Elvidge**, B.Sc., Eng., was awarded an M.Sc. in Civil Engineering last May.

Classmates **James Ricker** and **Jennifer Green** (B.Sc., Eng.) are planning a September wedding. James left Aqua Terre Solutions, an environmental consulting firm in Nepean, and now works for Stantec on the design and construction of stormwater ponds. This will upset Ed Watt over in Civil. Jennifer is working for OMM Trow in Nepean, who are involved in civil, environmental and structural engineering. (jcricker@yahoo.com)



1999

Steve Bickerton, B.Sc., Eng., is working on a Masters over in Physics. On Fridays, he plays goal with the Duffers, a pickup game among Queen's profs. Does his supervisor (John Hanes' brother David) seem to get a lot of easy goals?

Tina Demerling and Sue Pfister, both B.Sc., Eng., are at Memorial doing graduate work..

Elaine Jeong, B.Sc., Eng., is working for Schlumberger in Calgary

Marie Wardman, B. Sc., Eng., is working for Gartner-Lee in their Toronto Office.

1	P	2	A	3	R	4	A		G		N	5	E	6	I	7	S	8	S
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CROSSWORD SOLUTION - LAST ISSUE



*We have limited space in the newsletter, and so as to mention as many grads as possible, we have compacted news to a couple of lines per grad. One brilliant grad (we do have one!) pointed out there is no space limitation on our web site, so I'm inviting grads to send in up to a dozen or so lines of news which will go on to the web site unedited. I will cut the news to a couple of lines for the newsletter. Remember to say if you want your email address in the newsletter. (gorman@geol.queensu.ca)*

## ALUMNI UPDATE

Would you please help us to create an accurate location and mailing list by completing this questionnaire:

<b>NAME:</b>	<b>Queen's Degree(s) and Year(s)</b>		
<b>Home Address:</b>	<b>Telephone:</b>	<b>Business Address:</b>	<b>Telephone:</b>
	<b>Fax:</b>		<b>Fax:</b>
	<b>E-mail:</b>		<b>E-mail</b>

Degrees since leaving Queen's:

Please use the space below (or an attached page) to add any news that we can pass on to other alumni?

Please reply to: **Dianne Hyde, Administrative Assistant**  
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