

News from the Department

Appointed: **Mark S. Diederichs** and **D. Jean Hutchinson** as assistant professors in geotechnical and geological engineering, respectively. Mark worked previously as a consulting engineer, and Jean was a faculty member at the University of Waterloo. These appointments raise to six the number of young engineers on the departmental teaching staff, the others being Jim Lee (Isotope Geology), Gema Olivo (Economic Geology), Gerhard Pratt (Exploration Geophysics) and Victoria Remenda (Hydrogeology).

Awards:

Kurt Kyser - At this year's GAC/MAC Annual Meeting in St. John's, Professor Kurt Kyser received the Past President's Medal of the MAC.

Howard Poulsen - Howard Poulsen, now an adjunct professor in the Department, together with Ken Card, received the Barlow Memorial Medal, presented by the CIM for the best paper in economic geology published by the Institute during the preceding year.

Noel James - Professor Noel James will be awarded the Twenhofel Medal by SEPM (Society for Sedimentary Geology). This award, from the oldest and premier scientific organization in sedimentary earth sciences, is the highest honour the society can bestow. It is in recognition of Dr. James' outstanding research into the sedimentology and diagenesis of carbonate rocks.

Open House: The Department will hold an open house in the departmental reading room in Bruce Wing, on **Saturday (Sept. 22) of Homecoming Weekend**. A number of luminaries have indicated that they would visit Queen's, among them Pete Pienaar (Ph.D. 1959), who spent his career with Anglo American Corporation in South Africa. We hope that many of you will drop in to see us.

Retired: On July 1, 2001, **Dugald Carmichael** took early retirement to join our growing ranks of emeritus professors. As shown on his recent trip to Central Baffin Island, he continues to enjoy visiting graduate students, and he has retained his sharp eyes for finding alumino-silicates, where others see only gray pelites. He plans to spend more time travelling but also hopes to write at least two major papers. A retirement party is planned later in the Fall term.

.... On a Sad Note

Passed Away: Suddenly, in Inverary, Ontario, **David Creasy**, on April 8, 2001, at the age of 48. Dave, who received his Ph.D. in 1982, operated a successful hydrogeology consulting firm from his home in Inverary. He is survived by his wife Sue, and children Jack and Rebecca.

Passed Away: Also suddenly, at his home in Victoria, B.C., **Keith Glover**, on July 17, 2001, at the age of 55. Keith received his Ph.D. in 1978. He ran a successful mineral exploration consulting practice which took him around the world and earned him great respect in the mineral industry. He is survived by his wife, Joan, and children Emma and Shawn.

**THE SIXTH DECADE
1943-1953 THE WAR VETS ARRIVE.**

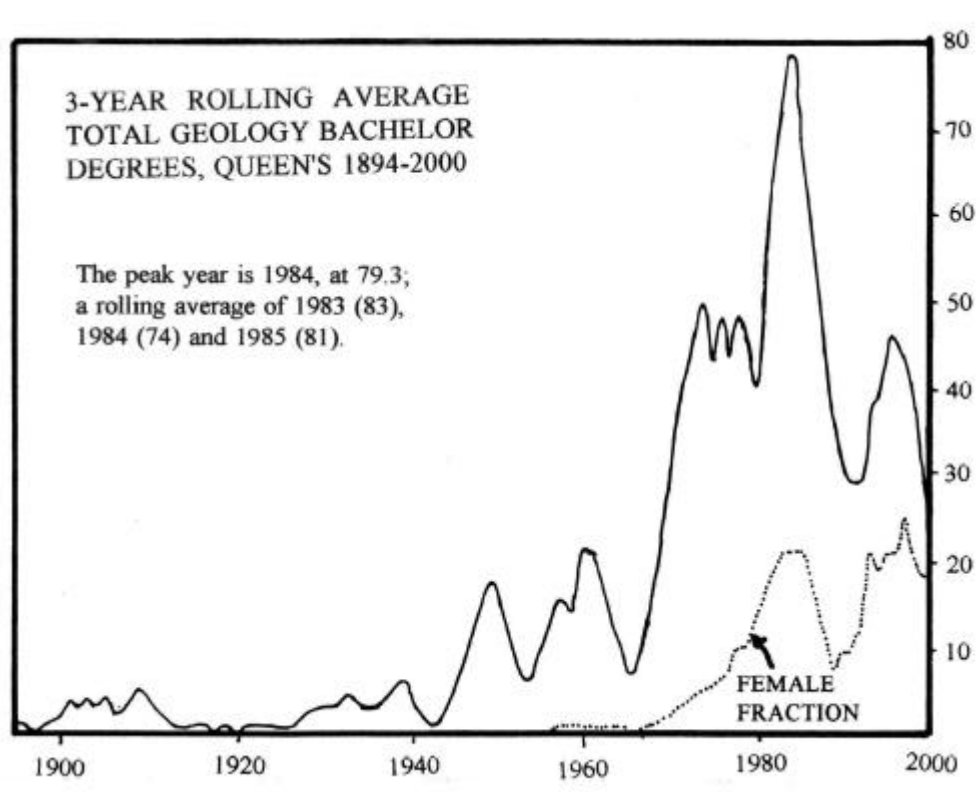
At the beginning of this decade, Ed Hawley was the only faculty and Head of the Department of Mineralogy. In 1947, Stephen ("Binks") Robinson became the second Ph.D. to come out of Miller, and the first and only Ph.D. in Mineralogy. The faculty of the Department of Geology were Manley Baker, Head, Louie Bruce, Bruce Rose, and Mac Keith. In 1950, the two departments merged to form the Department of Geological Sciences. The faculty were Ed Hawley, Head, Bruce Rose, Fred Jolliffe (imported from McGill), Len Berry and Willis Ambrose (commuting from Toronto). By the end of the decade, Rose was gone, and Jack Usher and Mike Fitzpatrick had joined the Department. The new department quickly doubled the number of Ph.D.'s, adding Lud Weeks in 1952 and Ernie Hale in 1953.

In reporting on the first five decades, it has been possible to name most of the graduating students. No more. The vets arrived in large numbers, and the enrolment has remained at higher levels ever since.

This was the decade when the engineering M.Sc. was a very popular degree. Of 128 engineering Masters awarded over 108 years, 48 were awarded in this decade. Many had acquired a B.Sc. in Mining in the Geology Option that then existed, and went on to a Geology Graduate degree. By the mid-sixties, requirements for a Masters in Applied Science had changed in a way that led most engineers to select the Arts and Science Faculty as the best route to a Masters, and thereafter engineering Masters averaged less than 1 a year..

Following the war, many ex-servicemen took advantage of the Canadian government offer to pay the university fees of veterans, plus a living allowance of \$60 a month, and thousands jumped at the chance to get a better education. Universities like Queen's were swamped, and some took to running all summer to cope. Because of this, there is an engineering class of 482. The diagram below shows the increase in Bachelors degrees awarded following the war's end.

W. A. Gorman



GEOLOGY REUNION

The Department hosted a reunion for all former students at the Delta Chelsea Hotel in Toronto on March 12, 2001. The reunion was held to recognize a few key milestones including the 25th anniversary of the graduate program in Mineral Exploration, the graduation of the 1000th geological engineering student, and reaching the total of 2500 total graduates from the Department. This was the first attempt at a wide scale reunion, and by all accounts it was highly successful with approximately 170 people attending. Alumni ranging from the class of 1953 to the class of 2000 were in attendance with the class of 1985 having the best overall attendance due to the organizing efforts of George McTaggart. Graduates from every class during the past 30 years (except 1975) were in attendance.

The gathering was dedicated to catching up over finger food and drinks. The one formal part of the evening was the presentation of the David Money Medal to the top MinEx student from the 1999/2000 class. The medal was presented by Tony Green of Falconbridge Ltd. to Guillermo Pensado from Argentina (see photo).

The reunion was held in conjunction with the annual Prospectors and Developers Association of Canada convention. As part of our strategy to increase our public profile, the Department rented a booth at the convention highlighting the various programs offered and research being undertaken in Geological Sciences and Geological Engineering at Queens. Several hundred people stopped at the booth over the four day convention. The success of both the convention booth and the reunion has prompted us to consider repeat performances in a location near you. We have had requests from alumni in the Vancouver area to host a similar reunion at the Roundup, - **SO STAY TUNED.**

M. Doggett



Guillermo Pensado and Tony Green
David Money Award Presentation

ALUMNI UPDATE

1946

Hal Stacey, B.Sc., writes from Ottawa to point out that Stephen Clive "Binks" Robinson and not Bob Douglas retired as Head of the Mineralogy Division, GSC, as reported in the last news letter. In 1947, "Binks" became the second Queen's Geology Ph.D., and his was the first and only Ph.D. ever earned in Mineralogy. The Mineralogy degree was discontinued after 1950.

1950

Leib Wolofsky, B.A., Hon., M.Sc., McGill, 1954, Ph.D., McGill, 1957, (and a 1948 B.Sc. from McGill) has been an engineering consultant world-wide for over 40 years, working mostly on water power and water supply projects for government agencies, public utilities, and consulting engineering firms. He is sloooowly retiring to his home in Niagara-on-the-Lake.

1954

Paul Karrow, B.Sc., Eng., Ph.D., Illinois, 1957, follows one recent professorial trend, retired (as of 1999) but still teaching and directing theses. He continues to research the Quaternary, concentrating on the Late Wisconsinan glacial lake sequences in the Huron Basin. This spring, he was awarded Distinguished Emeritus Professor status.

1961

Robert Hornal, B.Sc., Hon., is currently working on socio-economic studies for Tahera's Jericho Diamond project and Miramar/Hope Bay gold deposits. He also serves as Chair of the Environmental Impact Review Board for the Inuvialuit Settlement Region. Since 1984, he has been consulting as president of Robert Hornal and Associates Ltd..

John Payne, B.Sc., Eng., Ph.D., McMaster, 1966, has been working as a consultant to the mining industry, most recently in Mexico and Brazil. He recently married Patricia Graham, and they now are living in Surrey, B.C. He has no plans about retiring either from consulting or hockey. He moved from a successful career in nets at McMaster (Intercollegiate Champs) to a heads down forward..

Neil MacRae, B.Sc., Eng., M.Sc., McMaster, 1963, Ph.D., retired this summer at UWO, and guess what, he'll continue teaching and supervising grad students. His current research involves looking at meteorites, which probably led him into teaching "Catastrophic Events in Earth History" and getting ready to teach "Origin and Geology of the Planets"

Tony Naldrett, M.Sc., Ph.D., Queen's, 1965, D.Sc., Hon., Laurentian, 2000, D.Sc. Hon., University of Florida, 2001, retired from the U. of T. in 1998. He now divides his time between Toronto, where, that's right, he teaches part time, and Gainesville, Florida, where his wife Galya is a Professor of Russian Literature at the University of Florida. Tony is president of the International Mineralogical Society, and incoming President of the GSA.

1962

Tom Frisch, B.Sc. Hon., Ph.D., UC Santa Barbara, 1967, was "surplussed", by the GSC in 1996, but is still writing up some Arctic projects as a Visiting Scientist. He ran into an old Pb-Zn prospector at 79N in NW Greenland, in 1999, named Barry Cook. More recently, he has climbed an active volcano in Tanzania, chatted with gorillas in Rwanda, and backpacked around Uganda.

Reid Keays, B.Sc., Eng., Ph.D., McMaster, spent 2-1/2 years at U. of Chicago, working on moon rocks, then went down under to Melbourne, where he taught for 22 years. Then to Laurentian in 1992 as Dean of Science and Engineering. In 1998, he went half-time at Laurentian, and also became Director of the Victorian Institute of Earth and Planetary Sciences in Melbourne.

1963

Chris Findlay, Ph.D., formerly with the GSC, has retired to summer sailing and winter hockey in the Morrisburg area. He maintains a monthly Ottawa contact through the Anarchists, a group occasionally devoted to public causes, like preserving Mt. Logan and the "St. Roch". He will cochair the 2003 Morrisburg meeting of the National Association of Canadian Clubs, just to keep busy.

1966

Wayne Johnson, B.Sc. Hon., M.Sc., UWO, has been working in Cambridge Bay, Nunavut, since 1995, dealing with land claims, He can be reached at wjohnson@polarnet.ca

1969

Andre Panteleyev, Special Student, B.Sc., 1964, M.Sc., 1969, Ph.D., 1976, all at UBC, took early retirement in 1997 after 25 years with the B.C. Geological Survey. He then formed XDM Geological Consultants Ltd., based in Victoria, and has been working in the Yukon, B. C., Washington State, Mongolia, and especially South America.

1972

Garfield McVeigh, B.Sc., Hon, is Chairman of the Board of Rubicon Minerals, Vancouver.

Tom "Fuzz" Muir, B.Sc., Eng., M.Sc., Queen's, 1975, reports that he's married and living in good old' Sudbury, working for the Precambrian Section of the Ontario Geological Survey.

George Pemberton, B.Sc., Hon., M.Sc., Wichita State, Ph.D., McMaster, is presently a professor in the Department of Earth and Atmospheric Sciences at the U. of A. He was recently elected as a fellow of the Royal Society of Canada. His research

interests are in palaeontology.

1973

Bruce Davies, B.Sc., Hon., flies out of Toronto as an Air Canada pilot. You may want to check.

Bruce D. Jeffery, B.Sc., Eng., worked Minex in Canada for 26 years, with Falconbridge, Westmin, Cyprus Amax, Syngold, Pamorex, and as a consultant. In 2000, he made a career change, and joined RBC Dominion Securities in Kingston as an Investment Advisor. He can be contacted at bruce.jeffery@rbcinvestments.com

Joe Wallach, Ph.D., has left the Atomic Energy Control Board, and now divides his time between looking for natural gas around the east end of Lake Ontario and speaking at the Department of Earth Sciences, University of Ottawa, "under the guise of being a part-time professor". He also makes presentations to various professional groups. He's at jwallach@pop.synapse.net

Harvey Young, Ph.D., retired from Brandon University in 1997 after a 37 year teaching career. He continued to teach for a while (what else is news) but this year escaped to Australia. He has an office and still does a little research and consulting, when he is not too busy golfing or skiing.

1975

Fred Michel, B.Sc., Hon., Ph.D., Waterloo, gave up the headship at Carleton to fellow Queensman George Dix, and got back to contaminant hydrogeology. He also is looking into underground thermal energy storage, low temperature economic geology, and glacial geology.

Richard Trimble, B.Sc., Eng., M.Sc., Civil, 1977, Queen's, has been with EBA Engineering since graduation. He's been their Senior Geotechnical Engineer and Office Manager in Whitehorse since 1981. Richard and Ella (LeGresley) have 3 girls, 15, 11, and 9, who are active in outdoor pursuits. Richard plays hockey and squash, and plays, coaches and referees soccer.

1977

Tom Edwards, B.Sc., Hon., M.Sc., Queen's, 1980, Ph.D., Waterloo, 1987, Professor of Isotope Hydrology and Geochemistry at Waterloo, is racking up air miles by taking off for a third Sabbatical in Europe, this time in Switzerland. He plans to yodel his lectures next year.

Jane Wallace (Wynne), B.Sc., Hon., Science Program Officer, Pacific Division, GSC, in Sidney, B.C., is organizing a Queen's Alumni Party at the Cordilleran Roundup, Vancouver, January, 2002

1978

Rob Raeside, M.Sc., has just started his third three-year term as Chair at Acadia. As a second form of self-inflicted punishment, he edits the departmental newsletter.

1979

Linda Ham, B.Sc., Hon., M.Sc., Dalhousie, 1988, is with the Nova Scotia Department of Natural Resources, working on compiling gold resources data. She also does outreach work with schools and the general public. Married to Crown Attorney Paul Bychok (M.A., Queens, LLB, Dalhousie), with two daughters, Kira (6) and Anika (5), she can be reached at ljham@gov.ns.ca

Bob Linnen, B.Sc., Hon., M.Sc., McGill, 1985, Ph.D., McGill, 1992, did his graduate work under ex-Queensman "Willie" Williams-Jones. He followed his Ph.D. with a six year stint in France and Germany, learning techniques in experimental petrology. In 1997, he moved to a professorship at Waterloo, where he is conducting both field and experimental studies on ore deposits.

1981

Mark Tindall, B.Sc., Hon., reports his new email address as tindallgeoservices@tellus.net

1982

Lyn Anglin, B.Sc., Hon., M.Sc., Memorial, 1987, Ph.D., Carleton, 1992, joined the GSC in 1993, and in 1998 was promoted to Research Manager. She is presently Head, Mineral Deposits and Applied Geophysics, Mineral Resources Division. In 1994, she married Dan Marshall, D.Sc., Lausanne, Switzerland. Dan is presently teaching at Simon Fraser.

Carol Ellis, B.Sc., Hon., MBA, came down from up north, and is now Vice-President, Investor Relations, Expatriate Resources Ltd., in Vancouver.

Bruce Evans, B.Sc., Hon., is dividing available time between B.T.Evans and Associates Ltd., mining management and consulting, and Firefly Aviation Ltd. He, wife Kathryn (Yeas), BA, MBA, 1984, Queen's, and daughters Kelsey, 6, and Delaney, 4, are presently living in Calgary. Bruce can be reached at kevans@telusplanet.net

Susan Yatabe, B.Sc., Eng., M.Sc., Waterloo, was an early convert to Remote Sensing. She started with Canada Centre for Remote Sensing, then worked for the Petawawa Forestry Institute doing satellite radar work until 1996. She then started her own firm, contracting with CCRS and Terrain Sciences. She now works in GIS for a Deep River firm. She and Stuart have a son, Ewan, who is 7.

1983

Robin Campbell, B.Sc., Hon., sent in a short note. Looks like he works for New Brunswick Bell.

1984

Ian Spooner, B.Sc., Hon., M.Sc., Queen's, 1988, Ph.D., 1994, is an Associate Professor at Acadia. A heavy teaching load and research prevents him from devoting all his time to his wife Anna, kids Eric 5, and Kathleen 3, playing banjo with the

Mud Creek Boys, trying to catch a 30 pound bass, and playing hockey, unhindered by Gorman's elbows and Zaitlin's bulk.

1987

James Scoates, B.Sc., Hon., Ph.D. Wyoming, 1994, is presently an Associate Professor at the Université Libre de Bruxelles, Brussels, Belgium.

1988

Joe Mihelcic, B.Sc., Eng., MBA, 1995, after a stint with Golder, set up Clearview in 1996, which does geophysical consulting.

1989

Punya Charusiri, Ph.D., is presently Deputy Dean, Research Affairs, Chulalongkorn University. On his return to Thailand, he initially concentrated on economic geology, but after 5 years switched to geotectonics. When funding turned up for seismicity, he started studying Thai earthquakes, using TL as a dating tool. In this area, he collaborates with several Japanese researchers.

1990

Evan Trickey, B.Sc., Hon., B.Sc., Eng., 1995, Queen's, is now working for Neptec, in Kanata. This company created the Space Vision System software that controls the CANADARM

1991

Jason Smolensky, B.Sc., Eng., M.Sc. UBC, has been working at SRK Consulting as a hydrogeologist/environmentalist, mainly for the mining industry. He is based in Vancouver, but wanders off to England, Ireland, or Chile from time to time.

1994

Darlene Atkinson, B.Sc., Eng., M.Sc. Alberta, 1999, now in Kelowna, is still with Golder, but is not a typical Kelownan senior, sipping Mission Hill in the hot sun. She's at datkinson@golder.com

Greg Collins, B.Sc., Eng., has spent the last 7 years living in Timmins & working for Falconbridge. Exploration programs have taken him to Ungava, Alaska, Fain Felon, Sweden and Vietnam. He was also involved in outlining an additional 1.5 million tons of ore at Kidd Creek.

1995

Jill Belisle, B.Sc., Eng., after 5 years in Calgary, returned to Kingston, in June, 2000. She now works with the Environmental Sciences Group at RMC. She married Brian Daugherty, in Las Vegas in September, 1999. Mark and Jill share their new Kingston home with Chantel Marie, born Oct. 9, 2000. Jill can be reached at Jill.Daugherty@rmc.ca.

Joanne Muzzin, B.Sc., Eng., M.Sc., Civil, Queen's, 1997, has left ENS, and joined a company she calls TRY, working in their Exit Strategies Group in their Lowell, Mass., office. She is still very involved in the Alumni Association in the Boston Area.

Mark Tolley, B.Sc., Eng., and wife Elaine (McDermott) are living in Burlington with Fiona Marie Tolley, born Nov 17, 2000. Out of geology for now but back into competitive swimming, Mark won a gold, three silver, and a bronze at the Nationals in Calgary this year. Mark is now working for Critical Path of Toronto, an internet software company, and can be reached at either marktolley@hotmail.com or mark.tolley@cp.net.

Ian Watson, B.Sc., Eng., is living with his wife Shari in Calgary. He is on educational leave from Imperial Oil till the Fall, while pursuing a Masters in geophysics at the University of Calgary.

1997

Erin O'Neill, B.Sc., Eng., reported from Uganda in December that construction of a water supply pipeline for Mbarara would start in January. In February a new crew would be arriving. When off the project, she planned to tour Uganda and Tanzania before heading back to Vancouver in May.

1998

Joyce Chen, B.Sc. Eng., is working for BG Engineering based in Vancouver. She was in a car accident last summer working in Nevada, and is recovering from a broken arm and shoulder.

Simone Garneau, B.Sc., Eng., M.Sc., has started a Ph.D. in the Geography Department at McGill. She will be looking at Arctic landforms as an analog for the geomorphology of Mars.

Sylvia Lehmann, B.Sc., Eng., is working in the Seismology Section of the GSC, under the able supervision of **Janet Underhill** (B.Sc., Hon., 1975, married to **Robert Drysdale**, B.Sc., Hon., 1974). Classmates can contact Sylvia at lehmann@seismo.nrcan.gc.ca.

Rob McNaughton, Ph.D., has joined the GSC at the Calgary office. He splits his time between mapping the Central Foreland, stratigraphy and swamp-wading. He reports other Queen's people in the office include **Karen Fallas**, B.Sc. Hon., 1994, **Keith Dewing**, B.Sc., Hon., 1986, **Peter Davenport** M.Sc., 1973, and **Terry Poulton** Ph.D., 1975. Rob's at romacnau@nrcan.gc.ca.

Rebecca Walker, B.Sc., Eng., is working with Naylor Engineering in Kitchener, and expects to receive her P.Eng. designation this fall. She will be starting an MBA program, part-time, at Laurier in the fall.

2000

Kathi Dilworth, B.Sc., Hon., has started a Masters at UBC under **Dick Tosdal** (M.Sc., 19870), working on the regional geology and mineralization of the Pogo claims in southeastern Alaska.

EASIER GEOLOGIC CROSSWORD

1	2	3	4	5			6	7	8	9	10	11
12						13		14				
15					16		17				18	
19							20					
21					22	23					24	
		25		26				27		28		
	29			30			31			32		
33		34	35			36			37			38
39	40				41						42	
43							44					
45					46	47					48	
49		50		51				52		53		
54							55					

ACROSS

- 1. Has pyroxene, olivine, labradorite
- 6. Geologically #7
- 12. prism type
- 14. Earth prefix
- 15. Curve
- 16. Old auto make
- 18. Dating gas
- 19. Clay mineral
- 20. Evaluator
- 21. Element #34
- 22. Bulldozer
- 24. Negative
- 25. Open to question
- 29. Millerite metal
- 30. Plagioclase variable
- 31. Dogface
- 32. East coast US state
- 34. Dalmation hangout
- 39. Past regulation time
- 41. Religious booboo
- 42. Dating metal

- 43. Rich in silica
- 44. To secure
- 45. Male Ste.
- 46. Language course
- 48. Alcol. Anon.
- 49. Change
- 52. Sits over the mantle
- 54. Closer
- 55. Wavetops

DOWN

- 1. Pretty rock
- 2. Between rows
- 3. Type of date
- 4. Large meteor
- 5. Short for "roll"??
- 7. Utah territory
- 8. Type of photo
- 9. Postal path
- 10. Down-ice line of boulders
- 11. Resistate used in dating
- 13. Pyrite metal

- 16. Heat up again
- 17. Eight sided
- 23. In place
- 25. Separate-prefix
- 26. Sand barrier
- 27. Basic Income Unit
- 28. Twixt night and day
- 33. Overlies sulphur ore
- 35. Older rocks surrounded by younger
- 36. Casual greeting
- 37. To anchor
- 38. Gem weights
- 40. Ownership
- 42. Smelt ore
- 47. Computer element
- 50. British "thank you"
- 51. Concerning
- 52. In crocoite
- 53. Not them

Answers to last crossword

F	E	N	S	T	E	R		A	P	A	T	I	T	E
O		A	T	O	N	E		B	E	G	A	N		A
L	A	T	I	T	E		S		G	O	R	G	E	S
D	O	U	R			A	L	S			N	E	V	E
	R	R		A	L	B	I	T	E	S		S	I	
S	T	E		N		R	C	O		P		T	A	B
L	A		C	E		A	K	A		I	T		N	A
A		C	O	R	E		E		S	N	O	W		Y
T	A		L	O		O	N	E		E	R		N	O
E	R	A		I		R	S	C		L			A	U
	E	T		D	A	C	I	T	E	S		R	P	
S	T	O	P			A	D	O			M	O	P	E
C	E	L	L	A	R		E		G	R	A	B	E	N
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B	A	S	A	L	T	S		P	Y	R	I	T	E	S
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September 2001
ALUMNI UPDATE

If you haven't already done so, would you please help us to create an accurate location and mailing list by completing this questionnaire. Also, if you know of any alumni who are not receiving this Newsletter please let us know their names and addresses.

NAME:

Queen's Degree(s) and Year (s)

Home Address:

Telephone:

Business Address:

Telephone:

Fax:

Fax:

E-mail:

E-mail:

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:

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