UBC ALUMNI

# chronicle

The University of British Columbia Alumni Magazine Volume 52, Number 1 Spring, 1998

## T-Birds Bring It Home

UBC's football stars smother Ottawa and bring back the Vanier Cup

## UBC Goes International

Students, faculties and researchers take UBC abroad

## Chronicle Features

Research news, Alumni news, profiles, reviews, class acts and much more

MAIL POSTE
Canada Post Corporation/Société canadienne des postes
Postage paid Port payé
Blk Poste-lettre
0187777197
Vancouver, BC

# You got where you are with hard work and smarts.

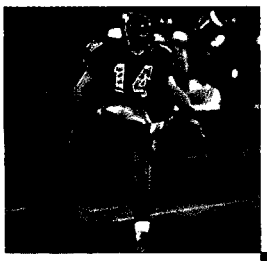
# Chrysler can help out with your driving ambition.

As a recent graduate, you're on the road to achieving the best life has to offer. At Chrysler, we're rewarding that kind of initiative by offering $750 toward the purchase or lease of a new 1997, 1998, or 1999 Chrysler car or truck (excluding, Dodge Viper and Plymouth Prowler), over and above most current Chrysler incentives. And, if you finance with Chrysler Credit Canada we'll defer your first three months payments!* This $750 Grad Rebate is available to all college and university undergraduates and postgraduates who have graduated or will graduate between October 1, 1995, and September 30, 1998, and all currently enrolled master's and doctoral students (regardless of final graduation date). From high-value subcompacts and minivans, to tough pickups and sport utilities, we've got a vehicle that's right for you. No matter where you want to go in life... we want to make sure you get there.

**For more information, visit your nearest Chrysler Canada Dealer. Or, hit www.chryslercanada.ca or call 1-800-361-3700.**

CHRYSLER CANADA
Official Team Sponsor

*Some restrictions may apply. ®Jeep is a registered trademark licensed to Chrysler Canada Ltd. ©DA



## On The Cover

Three of the Thunderbird's stars pose with the Vanier Cup: Mark Nohra, Bob Beveridge, and Jim Cooper. All playing university football for the last time, and all hoping for a shot at the big leagues. *photo Pat Higinbotham\Studio 54.*

## Cover Story

UBC's T-Bird football team carried muscle, grit and determination to this year's Vanier Cup game and brought home the ultimate prize.

**12**

UBC has become, by design, an international university. And the borders just keep on expanding.

**16**

**30** Whatever happend to Mike Harcourt? He's alive and well and looking to the future at UBC.

# chronicle

The University of British Columbia Alumni Association


PRODUCTION

**Editor** Chris Petty
**Assistant Editor** Shari Ackerman
**Contributors** Pat Higinbotham, Deanna McLeod, Christine Norquist, Don Wells
**Advertising** Katie Stradwick


**Board of Directors**
**President** Haig Farris BA'60, LLD'97
**Past President** Tricia Smith BA'80, LLB'85
**Treasurer** Thomas Hasker, BA'86
**Members at Large '98–'00**
Gregory Clark, BCom'86, LLB'89
Jean Forrest, BPE'83
Thomas Hobley, MBA'83
**Members at Large '97–'99**
Peter Ladner, BA'70
Don Wells, BA'89
Lorne Whitehead, BSc'77, MSc'80, PhD'89
**Executive Director** Agnes Papke, BSc(Agr)'66


**Design Consultation**
Chris Dahl Design Communications
**Printed in Canada**
**by Mitchell Press**
**ISSN 0824–1279**



**4**
### Research News
From bad breath to gene tagging, UBC research continues to break new ground. A short digest.

**22**
### The Dean's Page
Forestry Dean Clark Binkley heads up one of UBC's powerhouse faculties. Credit, says Binkley, goes to the people who work there.

**23**
### Alumni News
The new Alumni Board, branches, reunions, great pics of the Achievement Dinner, Young Alumni and mentors.

**31**
### Books
UBC alumni write books. We try to show you some of them. It's hopeless: too many writers, too much talent.

**32**
### Class Acts
What's going on with those people who sat beside you in English 101? Here's the place to find out.

**38**
### Student Profiles
Meet the winner of this year's Alumni Scholarship and the president of the Forestry Undergrad Society.


Visit our website: www.alumni.ubc.ca

Editorial

## Why UBC Deserves Your Charity Buck

It's an annoying part of everyone's life: the phone call that starts, "Hello, is this Mr. Petty? How are you this evening, sir?" Oh, oh. Someone wants me to buy their product, subscribe to their paper or give money to their cause. It takes effort to be polite, and sometimes even greater effort to say "no."

Few among us don't feel a need to give, but how do we choose among the pleas? And how do we know the person or the organization on the other end of the line isn't playing us for a sucker? To many people, fundraisers don't rank high in the ethical hierarchy, and, rightly or wrongly, their causes suffer.

Universities have an additional liability: "Why should I give to UBC? It already gets money from my taxes." Even grads sometimes don't make the distinction between operating funds and money needed for scholarly activity and student aid.

But universities produce: medical breakthroughs, economic spin-offs, cultural development. Grads get better jobs, make more money, contribute to everyone's well being. That's why your charity buck makes a difference. You can help fund research in a variety of areas, or you can make sure students who have the talent won't be denied an education because they don't have the financial resources.

Throughout this issue of *The Chronicle* you'll see reasons why UBC deserves your consideration if you are inclined to support something with your money. Or take a look at page 38 and our profile on Bethany Jackson, winner of an Alumni Association scholarship. She's just one example of the many students who need and deserve your support. The next time someone calls, think about it. ●

— *Chris Petty, editor*

## Biologists Bust Bad Breath

The public dental Clinic at the faculty of dentistry is open for bad breath tests.

Don Brunette, faculty of dentistry associate dean and oral biologist, explains that bad breath is more than a cosmetic concern; it could also mean illness of the liver, lungs, or gastrointestinal tract.

"This clinic provides an objective measure for people concerned about their breath," says Brunette.

Hilary Thomson photo

*Ken Yaegaki leans close as Arthur Black gives a sample.*

Air is sucked out of the patient's mouth using a syringe and placed into the chromatograph. The clinic's director, Ken Yaegaki of the department of oral biological and medical sciences, interprets the numeric information.

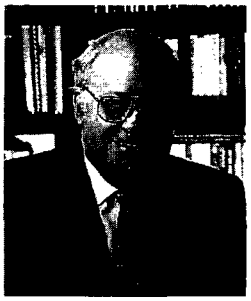
Yaegaki also sniffs the patient's breath. The patient sits behind a screen and exhales into a tube while Yaegaki assesses it from the other side.

"There are a variety of causes of bad breath," says Yaegaki. "The most common is tongue coating, gum disease or throat inflammation. Illnesses such as sinusitis and some medications can also create bad breath."

The clinic is BC's first breath testing clinic and is the only one in Canada to use gas chromatography as a measuring device.

It is open Monday and Friday mornings. Call 822-8028 to make appointments. ●

## UBCers Get Honorary Degrees



Nine men will receive honorary degrees from UBC at this year's spring and fall Convocations. Chief among them is David Strangway, former UBC president.

Other recipients include UBC grad John Bell, *BCom'62*, Canada's ambassador to the Year of the Asia Pacific and Canada's chief negotiator at the Rio Earth Summit in 1992.

Three emeritus professors will receive degrees: Alan Cairns (political science), Stephen Michael Drance (opthalmolgy), Peter Oberlander (geography).

Also receiving degrees are John Spears, sec.-general of the World Commission on Forests and Sustainable Development; Patricio Alywin, former president of Chile; and Jeffrey Simpson, a columnist for the Globe and Mail. ●

# Genetic Research Gets Funding Boost

The Canadian Genetic Diseases Network (CGDN) has been awarded $18 million from the federal government. CGDN is one of several networks within the Networks of Centres of Excellence (NCE) program to receive substantial funding.

New funding allows the networks to continue research into human genetic disease for the next four years, and guarantees funding all the way into 2005.

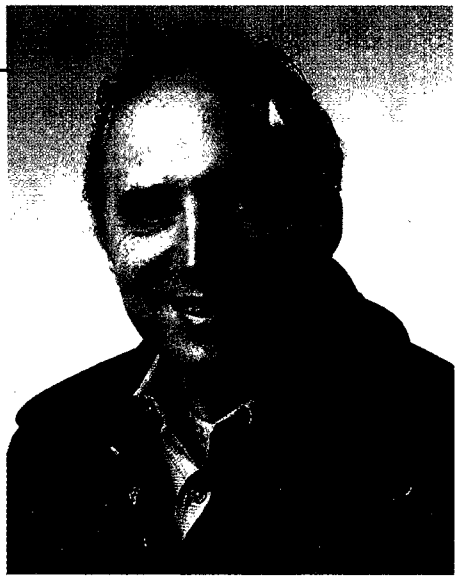
"This award ensures that Canadian scientists remain at the forefront in international human genetic disease research," says network founder professor Michael Hayden of medical genetics.

Funding will be directed into a program called *From Genes to Therapies*, an interdisciplinary approach to this research.

Other funding recipients include: the Canadian Bacterial Diseases Network, the Canadian Genetic Diseases Network, Micronet, the Institute for Robotics and Intelligent Systems and the Protein Engineering Network.

The CGDN project brings together teams from all provinces and disciplines to work with universities, industry and government. Government awarded a total of $94.3 million to seven networks.

Program information can be found at www.nce.gc.ca. ●



*Michael Hayden, founder of the Canadian Genetic Diseases Network.*

pho evangelos

# Bomke Gets Award

Art Bomke has taught soil science in the Faculty of Agriculture since 1973 and in that time has become a leading proponent of foodland preservation. In recognition of his work, he was presented with a Foodland Preservation award by the BC government.

"Dr. Bomke has brought his national reputation as a soil scientist to the support of BC's farmland preservation program," said Corky Evans, BC's Minister of Agriculture, Fisheries and Food, who made the presentation. ●

# Baby Talk More Than Meets the Mouth

Baby babble: real or rubbish? That is what UBC professor Janet Werker and graduate student Christine Stager are trying to discover.

"We're interested in understanding how babies move from being sensitive to the sounds of language to mapping those sounds onto words," says Werker, who has spent more than 20 years studying how infants learn language.

Werker and Stager published the results of their three-year study in the journal *Nature*. Until then, researchers had no idea what information babies stored as they learned new words.

According to Werker and Stager, babies listen carefully to the language spoken around them during their first year. By 10 to 12 months they can distinguish between consonants and vowels spoken in their native language from the same syllables spoken in another language. At about 14 months, babies begin to ignore some of their previous information so they can focus on learning words.

The researchers observed 64 babies' reactions to word-object pairings, and found their attention was focused on matching the sound with the object.

"They're already working with a full capacity," says Stager. "To get the job done, some detail gets ignored." ●

Stephen Forgacs photo

*Petrologist Maya Kopylova and professor Kelly Russell of UBC's igneous petrology lab.*

# Diamond Production Coming to NWT

The Slave region in Canada's Northwest Territories may hold the biggest diamond find of the twentieth century.

Petrologist Maya Kopylova and professor Kelly Russell, head of UBC's igneous petrology lab have constructed detailed geotherms—geological profiles of the earth's temperature with increasing depth and pressure—by analyzing rock samples. These samples were forced to the surface of the 2.6-billion-year-old Slave craton in explosive torrents of molten rock called kimberlite. Kopylova and Russell are also gaining insight into the composition of the earth's mantle in the region beneath the Slave craton.

The kimberlite samples and the chips of mantle material the lab is studying show similarity to diamond producing kimberlite pipes found elsewhere in the world.

In South Africa, world leader in diamond production, kimberlite pipes can be as large as 800 metres in diameter at the surface; in the Slave region, however, these tend to be no larger than 100 metres in diameter.

The samples examined by Kopylova and Russell come from a kimberlite pipe known as Jericho and held by Canamara Geological, a Canadian company that is one of many to acquire land in the region. ●

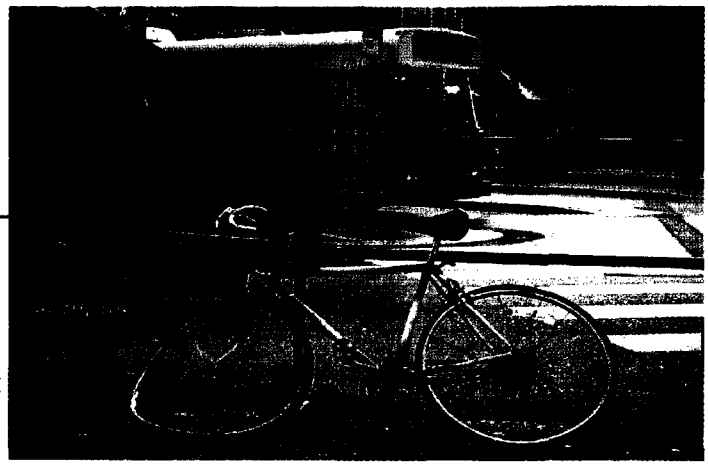
# "Hey, Buddy, Get a Horse!"

Getting people to let go of their steering wheels is like prying candy out of a baby's mouth, says Gordon Lovegrove, UBC's new transportation planner. His aim is to reduce car trips and increase transit use, both by 20 per cent, in five years.

Lovegrove plans to seek the advice of sociologists and psychologists to change people's attitudes toward their automobiles and toward public transit. He is also keeping an open-door policy for any great ideas, which he will reward with transit passes and other prizes.

Lovegrove already has a stack of winning projects: the University of Washington's highly effective U-Pass, a subsidized transit pass; walking or cycling clubs; a carpool centre; workshops for vehicle-dependants; and a fleet of second-hand campus bicycles. "We could paint them all a rose colour," he suggested.

Anyone with ideas can submit them online at: gord@plantops.ubc.ca or call him at 822-1304. ●



Chris Petty photo

*Lonely, lost and broken bike languishes by bus loop.*

# New Research Initiatives Pinched by Funding Cuts

Cuts to medical research funding through the federal Medical Research Council (MRC) have had a significant impact on UBC. More than 30 new projects did not receive funding this year and half or fewer grants got funding renewals.

"We're having to throw out accomplishments in mid-stream," says biochemistry department head George Mackie, MRC's regional director. According to Dr. Henry Friesen, director of the MRC, budgets there have been reduced by 13 per cent since 1994, with $10 million expected to come off the budget in 1998.

Canada now invests less money in health research than any of the other six leading industrialized nations in the G7.

Many feel such cuts are driving Canada's best researchers to better-paid jobs abroad. ●

## Message from the President

A few weeks after our football sqad returned home, Vanier Cup in hand, I asked the team over to Norman MacKenzie House for a small celebration. I know how much training, determination and focus it takes to accomplish what they achieved in their season, so I was prepared to be impressed.

But when I met the team and talked with individual members, I wasn't disappointed. Here is a group of young men able to attain the highest goal of its kind in the country and, at the same time, maintain an above-average level of academic success. Most of us have enough trouble doing one thing extremely well. These men are not only remarkable athletes, they are remarkable students.

Pat Higinbotham photo

*UBC President Martha Piper.*

In my first six months as president of UBC, that kind of experience has repeated itself over and over again. I've spent a great deal of time meeting with people. I've met with many of the academic departments and support units on campus and talked with the faculty, students and staff who work there. And again, I have been extremely impressed. The same kind of team work and sense of accomplishment I saw with the Vanier Cup winners is evident all over campus.

From research teams in forestry and physics to scholarly groups in economics and sociology, men and women at UBC are dedicated to pushing themselves and their work beyond the ordinary. Most universities can boast a few areas in which they do superb work and many areas in which they do adequate work. UBC breaks the pattern. We can claim superiority in virtually every academic area and none in which the level of work is merely adequate. This was proved again recently when UBC, along with the University of Toronto and McGill, was invited to participate in *Universitas 21*, a conference restricted to the leading research universities in the world.

This sense of achievement is evident in our graduates as well. I've met many of you in my travels to alumni branches in Canada and abroad, and I'm overwhelmed by the fondness, pride and satisfaction you feel about your university. And the more I get to know about UBC, the more I understand and share those feelings.

I intend my first year at UBC to be one of learning and listening. I have asked the UBC community, both on and off campus, for input on the direction the university should take, and will release a preliminary paper on the results of this process in the spring. I will make that paper available to you and ask for your comments.

— *Martha Piper, President*

Seventy happy couples can't be wrong. Cecil Green Park is the most romantic wedding venue in Vancouver.

Call 822-6289 to plan your wedding at Cecil Green Park

# Clearcut Logging is Good, Bad and Ugly

Clearcut logging is a divisive issue. Some people believe clear cutting helps create and keep jobs, while others feel it leads to environmental damage such as landslides in community watersheds and the loss of wildlife habitat and wildlife corridors.

To gain a better understanding of the nature of landslides, investigators in the faculty of forestry are conducting research on exactly where and why slides happen. To examine the causes, researcher assistants working with Jonathan Fannin, associate professor in the faculty of forestry and applied science, have tested soil strength on slopes, monitored groundwater pressures during rainstorms, surveyed sites where failures occurred, and mapped the path of landslides downhill.

One outcome has been the development of improved tools and techniques to identify landslide-prone terrain. The work has also contributed to field guidelines for the Forest Practices Code. ●


Master of Arts

LIBERAL STUDIES

SIMON FRASER UNIVERSITY AT HARBOUR CENTRE

SIMON FRASER UNIVERSITY is pleased to offer the eighth class of its graduate program for adults returning to study on a part time basis. The program is offered during evening hours at the University's downtown campus.

❖ JOIN A COMMUNITY OF LEARNING ❖ RE-DISCOVER THE WORLD OF IDEAS
❖ STUDY CLASSIC TEXTS ❖ DEVELOP NEW PERSPECTIVES ON CONTEMPORARY ISSUES
❖ EARN AN ADVANCED DEGREE THROUGH A STRUCTURED, INTELLECTUALLY CHALLENGING, INTERDISCIPLINARY PROGRAM

Applications are invited from individuals holding an undergraduate degree in any field. Applications must be completed by April 15 for September entry.

❖ ❖ ❖

**The Graduate Liberal Studies Program**
Simon Fraser University at Harbour Centre
515 West Hastings Street, Vancouver V6B 5K3
Telephone (604) 291-5152 Fax (604) 291-5159 E-mail glsp@sfu.ca

# Rhodes Scholar "Outstanding"

John McArthur, winner of the Alumni Association's Outstanding Student Award in 1996, has been awarded the 1998 Rhodes Scholarship for BC.

McArthur is currently studying public policy at Harvard's John F. Kennedy School of Government.

McArthur became a medal-winning swimmer while on the UBC Varsity Swim Team. He has done volunteer work with an Alzheimer's clinic and the Immigrant Services Society in Vancouver, and with high school kids in Boston. He also worked for the Canadian Embassy as a liaison officer to the World Bank last summer in Washington, DC.

"Given his willingness to play leadership roles in athletics, in academics, and in student governance, I can think of few people more qualified for the honour of a Rhodes Scholarship," said professor Frederick Schauer, academic dean of the Kennedy School of Government.

The scholarship provides all travel expenses to study at Oxford University for two years, with an option for a third. He will study law there. His career goal is to be involved in Canadian international trade negotiations.

He graduated from UBC in 1996 with an honours degree in political science. ●

# Canadian Vets Focus of New Program

The 'glories of war' are creations of movies and books. Ask any veteran: war is dirty, bleak and horrifying. Many soldiers return home with physical scars from combat, but nearly all come back with even deeper emotional scars.

The trauma of war shapes their life decisions, their relationships and their careers. Most war vets have not had a chance to integrate their experiences into their broader life story nor have they been provided with a supportive and structured means to express their reactions and feelings about what has happened to them. In short, the psychological needs and issues related to adult development of war vets have not been met.

UBC's Life Review Program (LRP) uses health promotion to make life more satisfying for veterans.

The program helps participants face these challenges and learn from others effective ways of coping and successfully dealing with a major life trauma such as war. It is also meant to help future peacekeepers returning home from postings abroad.

A pilot project by Marvin Westwood, from the faculty of education's department of counselling psychology and a team of six facilitators will use the program with veterans.

Researchers will also gather valuable information about how veterans have coped with life after war. The program will be offered to veterans in six sites in the Lower Mainland. Sessions will focus on five major life themes: branching points, career/work, family, health, and the war experience. The project is sponsored by Veterans Affairs Canada and the Royal Canadian Legion. ●

*"There's a fungus among us!" Two* Let's Talk Science *students get personal with a tree fungus.*

# "Let's Talk Science" Gets Kids' Hands Dirty

You may see 27 grade three, four and five students searching the endowment lands for fungi under the guidance of forestry grad student Jennifer Bull. Or, if you happen by a local high school, you might see chemistry grad student Erin Ma and Ian Baird bent over retorts with students in grades 9-12. Wherever you go in Vancouver, you may find one of the 33 teachers who have developed partnerships with UBC science grad students through *Let's Talk Science.*

*Let's Talk Science* is a national project coordinated by the University of Western Ontario. It offers programs in basic and applied science to help school kids understand the importance of science in our world. One of the programs offered is the Partnership Program which pairs up graduate students with teachers in the elementary and secondary school systems. Together, they share their expertise and develop ideas for getting the younger students excited about learning and playing with science.

The UBC department of physics and astronomy hired physics PhD student Elana Brief in September to coordinate the 1st year of the program at UBC. Her first job was to e-mail grad students from 20 departments in five faculties and invite them to participate. Fifty students replied immediately. Their reason? "I want to help kids get excited about science," said one, and "Evangelizing on behalf of critical thinking," said another.

Because of *Let's Talk Science*, students in Vancouver classrooms are looking forward to a semester full of bugs, neurons, genetics, fungus, electronics and cosmology, learning hands-on from real UBC scientists.

The project has been funded by BC Information, Science and Technology Agency and the department of physics and astronomy. For more information, e-mail Elana at LTS@physics.ubc.ca or call 822-3678. ●

# Better Weather Forecasting Coming, Researcher Predicts

Forecasting the weather in Vancouver: if you can't see the mountains, it's raining. If you *can* see the mountains, it's about to rain. That's about as close as we get. But that's about to change. A team of scholars led by professor Roland Stull in the faculty of arts at UBC is attacking the ongoing problem of accurate weather prediction.

BC suffers from the worst forecasts in Canada. While people in the central and eastern provinces get fairly accurate forecasts two days in advance, BC is lucky to get any accuracy half a day in advance, especially in winter. Why? Two reasons.

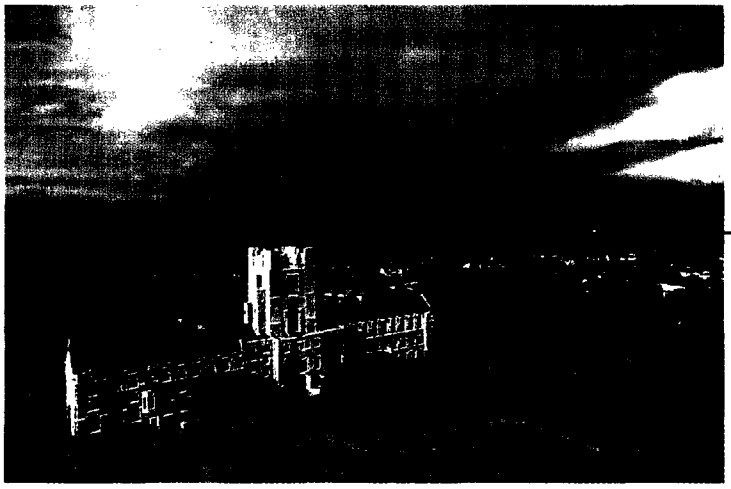
First, BC's rugged geography modifies weather systems. Second, our weather comes from over the Pacific Ocean where there are few weather observations.

A solution to the first problem is now within reach. Josh Hacker and Henryk Modzelewski, PhD students in geography, are using computers to forecast local weather variations, taking into account rain belts, rain shadows, convergence snow bands, and local winds.

The second reason for bad forecasting is more difficult to address. Hacker is trying to average slightly different forecasts to form a more accurate one, and recent team member Ron McTaggart-Cowan has a plan to design and arrange a network of tethered guided balloons anchored over the Pacific Ocean, to provide more weather observations.

The Western Canada Regional Modeling Consortium was formed last year to support this research. Researchers are developing improved wind forecasting for log-boom towing and shipping, better avalanche weather prediction and more accurate rain and flood forecasts for BC Hydro and agriculture, and air pollution dispersion for urban planning.

But pack your brolly, just in case.●



*Vancouver weather is as changeable as, well, Vancouver weather. This looks north west over the School of Theology.*

# APEC + UBC = A Bust

It was supposed to be a great thing for everyone. The APEC economic conference was in Vancouver, and UBC would host the leaders meeting. UBC would get the kind of positive publicity it got during the Clinton-Yeltsin summit, students would get to see world movers and shakers in action and MacKenzie House would get a new solarium. UBC began planning months in advance to make sure everything would go smoothly.

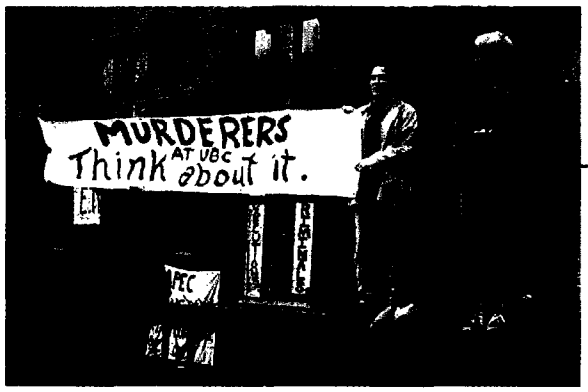
Protesters began planning early, too. The issue? Some of the leaders had bad records for human rights in their countries, and many students, faculty and staff thought they should see some protest.

The university planned for the protests. They chose sites that would be seen by the leaders as they drove by, but that were too far away to be a security threat. Government organizers approved the plan, as did the police. But when the day came, police cleared out all protestors and gave a black eye to the Prime Minister's Office, which was accused of interference.

Whatever the actual facts, the event was a debacle. But UBC and president Piper came off looking pretty good. In a post-mortem of the conference, it was clear that she did all she could to avoid the confrontations, and that the university, from the start, acted in good faith.

The Board of Governors decided that, in future, requests to use UBC for visible, non-university oriented events would be discussed with the university community before giving the OK. ●

*Green College residents in front of the College asking APEC leaders to Think About It.*




Richa[illegible]mrich photo

If you'd
rather be
concentrating on this

$[Hg(CO)_2]^{2+}$

than organizing your
scientific society's
next conference,
then call this

(604) 822-1060

Felix Aubke, Co-Chair
15th International Symposium
on Fluorine Chemistry, did.

*For Conference Coordination,*
*Meeting Planning,*
*& Delegate Registration*

UBC
CONFERENCE
CENTRE

Email: conferences@brock.housing.ubc.ca
Web: http://www.conferences.ubc.ca

*Member of Tourism Vancouver, the International Congress and Convention Association and Meeting Professionals International*

chronicle **feature**

UBC's Thunderbird football team took their campaign from the Pacific to the Atlantic coast, then to the heart of Central Canada. When they got home, 12,000 km later, the Vanier Cup was in the back seat.

# thunder in the east

**Wednesday, November 19, 10 am**
**Lamport Stadium, Toronto**

The two workers clearing snow from the artificial turf are testing the UBC football coach's patience. In just over 72 hours, Casey Smith will lead his charges into a battle for the ultimate bragging rights in Canadian university football, the Vanier Cup. Their progress is slow, so the UBC players pitch in and help. Everyone is anxious to get practice under way.

The situation is exacerbated by the absence of practice balls. One of the coaches commandeers a taxi and makes a dash back across town to the Westin Hotel to retrieve balls.

At the Westin, University of Ottawa head coach Larry Ring and his team are watching videotape of the previous week's Atlantic Bowl between UBC and the Mount Allison Mounties. Ring is intent on learning everything possible about the Thunderbirds. The UBC players were up at dawn for a team breakfast followed by a videotape analysis of the Churchill Bowl between Ottawa and Waterloo. They are trying to learn everything possible about Ottawa.

The scene may look a touch maniacal, but this is football, and its resemblance to military conflict is by design, not coincidence. There is a field of battle and there are blitzes, bombs, front lines, aerial attacks and ground attacks. There is intelligence gathering of various types, including espionage. Smith insists that all practices be closed to everyone except the media. He is not taking chances with the enemy.

On the field, a photographer from the Ottawa Citizen snaps pictures while a TSN camera operator collects footage for the 40 minute pre-game show. Two local high school teams waiting to square off in a Metro playoff game watch the practice with keen interest, many of them dreaming that they too will one day play in the Vanier Cup.

After practice, the coaches and captains quickly shower and don suits for a noon press conference. Later in the day there is a team dinner and more videotape sessions. As the clock ticks closer to game time, the tension in both camps builds.

**Thursday, November 20, 11 am**
**SkyDome**

The T-Birds are practicing in the SkyDome, the setting for the 33rd Vanier Cup. With the kickoff just 48 hours away, the media is out in full force.

There is one big question on every reporter's mind. Will injured running back Mark Nohra be healthy enough to play on Saturday? The 24 year old Toronto native was the top rusher in the Canada West conference and is a candidate for the Hec Crighton Award as the top player in the country. Three weeks earlier he suffered damage to his right knee in a game against Manitoba.

Eyes are trained on Nohra as he goes through his paces wearing a knee brace. The reporters sense that Nohra will play, but the official word has yet to come from team doctor Rob Lloyd-Smith. Immediately after the injury, reporters heard Nohra quip, "I was born in Beirut, I've had bombs go off over my head. This is nothing. I'll be back."

Smith is polite to all members of the media, but inwardly he wants it all to end and the sooner the better. He is concerned about quarterback Shawn Olson, who has been battling the flu and has been consistently in the spotlight for almost two weeks. Following the workout, the players are marshalled into groups for pre-arranged interviews. The session goes smoothly and within 45 minutes the players are on their way back to the hotel.

**9:00 PM, Westin Hotel Ballroom**

A tuxedo-clad Mark Nohra is standing at the podium at the CIAU All Canadian

By DON WELLS

Awards dinner. He is clutching the Hec Crighton Trophy, having just been named the most outstanding university football player in Canada. His speech is brief, with thanks to his team mates and coaches. Purposefully and predictably, he leaves his parents to last. His final comment brings the house down.

"I would especially like to thank my mother. She didn't ever like me playing football, but she never said I couldn't."

Nohra is also named to the All Canadian team for the second consecutive year. Team mates Jim Cooper and Bob Beveridge are also selected, with Beveridge also being a candidate for the JP Metras Award for the Most Outstanding Lineman.

Backstage, there is one last media scrum, most of it centered on Nohra. All ask the same question: "Mark, will you be playing in the Vanier Cup?"

"I still don't know, we'll see how the knee feels tomorrow."

Dave Thomson photos

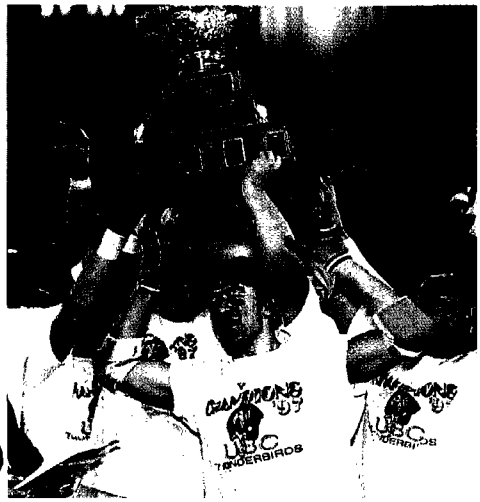
*Right, Mark Nohra collects some of his 166 rushing yards. Altogether, the T-Birds gained 430 net offensive yards, including 170 yards in the air. Bottom: the spoils of war.*

**Friday, November 21, 3 pm, SkyDome**

UBC is having its final workout of the 1997 season. The team isolates itself from outside interference, particularly the media. For most players, the Vanier Cup will be the biggest game of their lives and they need time to focus.

Other problems have added to the mounting tension. A uniform supplier has misplaced Mark Nohra's jersey. Equipment manager Tony Ivancic is scrambling for a solution. Headaches like this aren't supposed to happen, particularly when fuses are already shortened.

Then some good news arrives. Lloyd-Smith is satisfied that Nohra's knee has healed sufficiently to allow him to play. Everyone is relieved, but perhaps nobody more than Nohra himself. The Vanier Cup has been somewhat of a homecoming for him. He was raised in Toronto and played his high school football there. On the previous night he had been named Canada's most outstanding player, but only now has the stage has been set for the finish he had hoped for.




*Victorious T-Birds take the Vanier Cup for a ride around Toronto's Skydome.*

**Saturday, November 22, 1 am**
**Westin Hotel**

The parties are in full swing. All evening taxis and limos have been dropping off fans and officials from most of the 24 Canadian Interuniversity Athletic Union (CIAU) football playing institutions across Canada. There are parents, girlfriends, students, alumni, sponsors, coaches, media, pro scouts and a handful of player agents.

On the second floor, Vanier Cup flagship sponsor General Motors is holding a reception for its campus reps. Two floors below, University of Ottawa alumni gather along with university officials, friends and parents of players. Next door is the UBC reception where Toronto area alumni have gathered, including three members of the 1986 team, the last UBC team to win the Vanier Cup.

Many parents arrive, some of whom

STATISTICS

### T-Bird's 1997 Season

| | |
|---|---|
| Sept. 5 | Sask 30 at UBC 7 |
| Sept. 13 | UBC 14 at Alberta 10 |
| Sept. 19 | Calgary 18 at UBC 34 |
| Sept. 27 | UBC 32 at Manitoba 0 |
| Oct. 4 | UBC 16 at SFU 25 |
| Oct. 11 | UBC 17 at Sask 19 |
| Oct. 17 | Alberta 10 at UBC 27 |
| Oct. 25 | UBC 37 at Calgary 37 |
| Oct. 31 | Manitoba 6 at UBC 27 |
| Nov. 7 (Hardy Cup) | Calgary 21 at UBC 39 |
| Nov. 15 (Atlantic Bowl) | UBC 34, Mt. Allison 29 |
| Nov. 22 (Vanier Cup) | UBC 39, Ottawa 23 |

### '97 Results (including playoffs)

8-3-1 (home: 4-1-0; away: 4-2-1)
Avg. Yards For – 425.4
Avg. Yards Against – 313.3
Avg. Points For – 26.8
Avg. Points Against – 18

### T-Bird—Vanier Cup Notes

Hardy Cups won: 15
First Hardy Cup: 1929
Last Hardy Cup: 1997
Vanier Cup games: 5 – '78, '82, '86, '87, '97)
Vanier Cups won: 3 – '82, '86, '97

### Vanier Cup Results

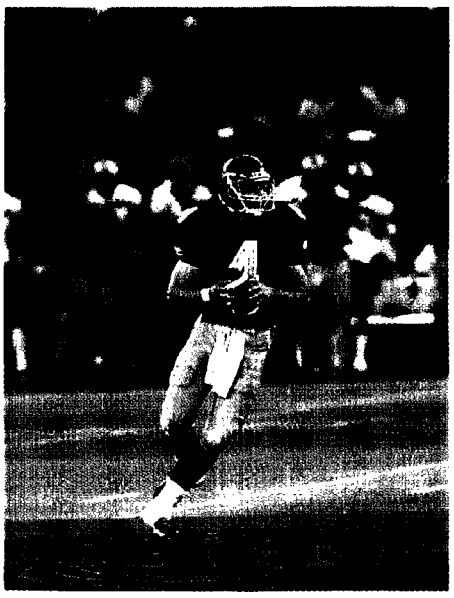
| | |
|---|---|
| 1978 | Queen's 16, UBC 3 |
| 1982 | UBC 39, Western Ontario 14 |
| 1986 | UBC 25, Western Ontario 23 |
| 1987 | McGill 47, UBC 11 |
| 1997 | UBC 39, Ottawa 23 |

were in Halifax the week before for the Atlantic Bowl. They go to the alumni bash, which is invaded by a small but enthusiastic crowd of UBC students who began their pre-game celebrations 12 hours earlier and three time zones away. While BC Lions head coach Adam Rita chats with members of the '86 team, a TV screen shows highlights of UBC's season. Some of the assistant coaches make brief appearances, and then return to their hotel rooms.

No one sees or talks to the players, but everyone senses that for them, this night will seem like an eternity.

**Saturday, November 22, 1 pm, SkyDome**

With the kickoff just over an hour away, television crews are pre-taping the introduction to the broadcast. TSN has invested considerable time and resources in the Vanier Cup over the years and, with viewer numbers as high as 400,000, the bosses want the show to be a good one.



*Quarterback Shawn Olson sets up for a pass.*

There is concern over the crowd. Only about 8,000 tickets have been pre-sold for a facility that holds 55,000. TV executives don't like empty seats and neither do CIAU officials who are counting on gate receipts to fund a major portion of their annual operations. The problem is largely one of geography. UBC is the furthest football school from Toronto and Ottawa is the most distant Ontario school. Every year the organizers hope for the ideal match: a local team with a rich tradition, such as Western, Guelph or Waterloo to square off against a team from the football crazy Atlantic conference. UBC and Ottawa is going to be a tough sell, far from the 32,822 fans who gathered for the 1989 contest between Western and Saskatchewan.

Journalists begin to fill the 120 seat media centre. Dozens of photographers collect their accreditation and make for field level. The strain begins to show on the faces of event organizers as almost an entire year of work reaches a climax. Above all, they are praying for a large walk up crowd to bolster attendance.

At 2 pm, the television broadcast begins. VIPs and corporate guests watch the introduction on TV from the comfort of sky boxes. It has all the elements of superb sports television, as well as one that is altogether unique. The athletes are not pros, they are students. Canadian students. They are studying Arts, Science, Commerce, Computer Science, Engineering, Phys. Ed, Education, Fine Arts and a few are even in graduate programs. Some, like UBC's Strachan Hartley, Chris Lennon, Casey Souter and Andrew Newton, are Royal Bank Academic All Canadians, having maintained a GPA in excess of 80% in full time study.

This is as pure as sport gets. There are no absurd salary expectations, no allegations of gross misconduct, no contract holdouts. Just Canadian university students playing football for the fun of it.

**2:40 pm — Kickoff**

Dino Camparmo stands at his own ten yard line awaiting the Ottawa kickoff. He is a fifth year education student who has juggled his practicum with playing football. At 5'7", 165 pounds, he is small for football, but his durability is remarkable. At 26, he is the second oldest member of the team and, since high school, has played ten years of football, including three in Europe. His career will end today, and he is intent on going out as a Vanier Cup champion.

The ball travels 39 yards to Camparmo, who returns it for six. As UBC's offensive unit takes the field, many guess that the first play will be a hand off to Nohra. It is, and he pounds up the middle for eight yards. The UBC fans

erupt. Nohra gets a standing ovation as he picks himself up and returns to the huddle showing no signs of the injury which sidelined him three weeks earlier. On the next play he takes another hand off, but this time he is held to a one yard gain. On their first drive of the game, UBC is forced to make a decision on whether to gamble on a third down. The field goal unit stays on the sidelines as coaches give the signal to "go for it!"

Shawn Olson keeps the ball on a quarterback sneak and gets the yard needed for the first down. The success buoys the confidence of the UBC bench and the drive continues, ending in a 23 yard field goal by kicker Aaron Roed.

Five minutes later Olson scores the T-Birds' first major on a one yard run. Ottawa answers with a single on a punt and a 14 yard field goal. Mid way through the second quarter Frank Luisser scores for UBC on a 29 yard pass from Olson. The two teams exchange field goals near the end of the half and, as they head for the dressing room, the score is 19-7 for UBC.

So far, so good. Roed is deliberately kicking the ball short or out of bounds, away from Ottawa's two stars, Chris Evraire and Ousmane Tounkara. By half time, Tounkara has only two receptions and Evraire has been taken out of the game after punishing tackles by the T-Bird defense.

Nohra's knee appears to be fine, and he finishes the first half with 82 yards on 16 carries. In total, the UBC offense has mustered 253 yards to the Gee Gees' 148.

Ottawa is held scoreless during the third quarter while UBC gets ten points on a touchdown by Nohra and another Aaron Roed field goal, making the score 29-7 UBC. Five minutes into the final quarter, Nohra and Roed have repeated their efforts and the score is 39-7. Smith does the gentlemanly thing and begins to substitute starters with second string players. Not only does he not want to humiliate the opponent, but there are a couple of dozen younger players pacing the sidelines, chin straps fastened tightly, waiting for a chance to play in the big game. On Smith's part, it is already a look toward the future, to next year and the year after, when these players will be number one on the T-Bird depth chart.

Steve Laing photo

*Dino Camparmo returns the opening kickoff behind Aaron Barker.*

Although Ottawa finally scores a pair of touchdowns against a less experienced defense, the game is clearly out of reach. On the second-last play of the game, and with UBC leading 39-23, Shane Sommerfeld intercepts Ottawa quarterback Phil Cote. Seconds later Shawn Olson drops to one knee to run out the clock, and the ecstatic UBC players, fans, parents and coaches begin to celebrate their third Vanier Cup Championship.

**December 23, 5 pm, UBC Athletic Department, War Memorial Gym**

It is Christmas time and Casey Smith is preparing to leave for the holidays. The sound of his briefcase snapping shut against the silence of the deserted offices seems to symbolize the end of the historical season. In the month since the festivities on Front Street, there have been several demands on his time. In addition to the usual task of recruiting players, he has edited and mailed miles of videotape of graduating players to pro teams. There have been invitations to speak, to attend a Board of Governors meeting and to have the team for breakfast with President Martha Piper. There was the windup banquet and other facets related to the task of mopping up after victory.

The season has consumed every part of him and he is exhausted. He takes one last look at the letters taped to the window facing the hallway. They are letters of congratulations from the Governor General, the Mayor, the Premier, the President and Chancellor, the MLA and MP's offices. He turns out the light, closes the door and walks down the darkened corridor.

As he passes through the lobby of War Memorial Gym, he sees two of his players, who appear similarly spent. Like most of their team mates, they have worked feverishly trying to catch up on term papers and to prepare for Christmas exams. The site of Smith reminds them once again of their championship.

The thrill of victory has mellowed. It is now a deeply internal sense of accomplishment that will last a lifetime. They exchange weary smiles.

"Say, aren't you guys Vanier Cup Champions?" Smith says.

"Yes we are, Coach, yes we are." ●

*Don Wells is manager of marketing and communications at UBC's Department of Athletics and Recreation.*

# chronicle **feature**

## Internationalization

Internationalization may be flavour-of-the month at other institutions, but at UBC it's an ongoing and active commitment. This is the second article in the series dealing with Martha Piper's three 'I's: Interdisciplinarity, Internationalization and Information Technology.

At the north end of Main Mall you can look out over English Bay and watch cargo ships from around the world entering one of the western hemisphere's busiest ports. That view is a reminder that UBC is linked to the world unlike any other Canadian university. And while those ships represent the flow of economic trade entering Canada and North America through Vancouver, UBC represents the international flow of knowledge.

The global trade in knowledge isn't new. It began when the first humans migrated across continents and met others who had different ways of doing things. What is new is the speed of information flow around the world, and the scope of interconnected global problems. Since universities specialize in information and problem solving, that means universities have new international roles to play.

One of the new roles has, traditionally, been part of the function of government. As economies shift from a resource to a knowledge base, governments are having to change the way they conduct international relations and how they develop foreign policy. "It's no longer just government to government, or embassy to embassy," explains Christopher Brown, UBC's external affairs director of international relations. A former diplomat and federal foreign policy advisor, he says diplomats are no longer as relevant as they once were. "There are many more players affecting Canadian foreign policy now, including academic institutions." With its scholarly objectivity, a university is able to make alliances abroad that neither business nor government can achieve.

Law professor Ian Townsend-Gault, for example, is leading a project that attempts to manage potential conflicts in the South China Sea. Officials and experts from ten countries in the region meet together to discuss ocean cooperation in the areas of marine environmental protection and scientific research. The involvement of UBC helps to create confidence, open communication channels, and avoid military conflict over islands and ocean space.

Similarly, the faculty of commerce's International Program helps to build bridges between Canadian and Chinese business and government communities through partnerships with management schools in China. Its China Program was recently recognized by the Association of Canadian Colleges and Universities for excellence in internationalization.

UBC's links with foreign academic institutions, says Brown, also play a role in furthering Canada's national interests, and promotes our strong research capabilities and education programs. "These academic links show the world we're interested in things other than selling wheat and logs, and ultimately help to project Canadian values, which is a part of our official foreign policy."

Those values underlie UBC's own international strategies, as Larry Sproul, director of UBC's international liaison office explains. Sproul emphasizes that important principles guide UBC's international activities. "Money and resources are an important corollary to what we do, but they don't drive the vision," he says. What does are things like a commitment to international cooperation, to equity, to diversity.

The patchwork quilt of states that grew out of the colonial period created a divided world where any sort of linkage was viewed with suspicion. We must move beyond that. "We are at one of those very few hinge points of human experience," says law professor Ivan Head, director of the new Liu Centre for International Studies and holder of UBC's chair in South-North Studies (and several honorary doctorate degrees). "We could follow the easy, short-sighted and ultimately futile pattern of deepening the moat, pulling up the draw bridge, saying 'We're all right Jack, we can get along.' But global issues make a mockery of international boundaries. We can't say that we'll look after our own environment and it doesn't matter what others do about theirs; or that our capital markets and currency values will remain vibrant regardless of conditions elsewhere."

Universities must contribute to society's better understanding of these global issues, says Head, and the Liu Centre will bring new and existing interdisciplinary programs together to do it. Head's goal is to build a world-class facility to attract

by Deanna McLeod

Chris Petty photo

*UBC international students point to home: (l-r) Felicity Le Claire, Australia; Adley Tsang, Hong Kong; Gerardo Celis, Costa Rica; Terry Koerner, Scotland; Botswiri Oupa Tsheko, Botswana; Rafat Alam, Bangladesh; Carlyn Siegesmund, USA.*

high-ranking international leaders and thinkers to UBC as visiting scholars. It's a scholarly version of "if you build it, they will come."

This focus on attracting people to UBC is a reminder that it is people, after all, that make the world go 'round. While talking to UBC's international champions about the role of the university in the 21st century, the theme they keep coming back to is the importance of UBC's people—the students, the faculty and staff and the alumni.

Among the industrialized countries, Canada now has one of the highest percentages of young people entering post-secondary education. UBC has an opportunity and a responsibility to provide an education that not only prepares those students to compete globally, but that prepares them to deal with a world in constant change.

Chris Brown relates a theory of UBC President Martha Piper's that a growing number of people are born in one country, get their basic schooling in a second, go to university in a third, work in a fourth and die in a fifth. "And that's a reality," he says, "Many kids today are doing their work study programs in Europe, their research in Asia or volunteer dental clinics in Guatemala. Ours is a much more international world and UBC recognizes that."

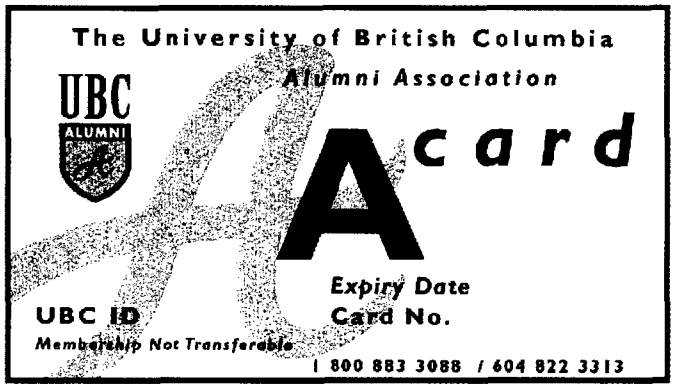
At the graduate student and research levels, UBC has always been international. Research, particularly scientific and medical research, doesn't recognize national boundaries. Larry Sproul says that at the undergrad level, however, the focus has tended to be more parochial. "We prepared people to get jobs in Williams Lake and Kamloops and Vancouver, but we didn't prepare a generation of grads to deal with the world, internationally. We didn't think it was part of our job."

But that's changing. The last two years has seen a two-fold increase in the number of UBC undergrad students going abroad on exchange programs. Thanks to a new initiative led by commerce professor Don Wehrung, recruitment for international students has also increased significantly. International graduate students are the cream of the world's intellectual crop, and if UBC can compete with the large American universities and attract them, we are all better off.

Thevi Prather, assistant director of international student services, notices that when UBC's exchange students return home, they have a renewed sense of where UBC is relative to Barcelona, San Francisco or Kuala Lumpur. "Returning exchange students are also more likely to seek out international students on campus to continue the interchange of ideas and culture they experienced while abroad."

Lessons can be taken from the natural world, where organisms survive through diversity, combining strengths from different sources. The innovative UBC/Ritzumeiken joint academic program, for example, brings Canadian and Japanese students to live and study together on campus. Joint programs like this, Sproul says, cause an internal transformation both individually and institutionally. "Different cultural perspectives challenge us to re-examine things like governance, and how we use language and knowledge. Students from different cultures learn how to live and socialize together, to get up in the morning and use kitchens and bathrooms together at a very impressionable point in their lives." The program has been so successful, the university is now exploring opportunities to expand that joint academic concept with partners in Mexico and Korea.

Many other exchange programs are facilitated by depart-




## The $A^{card}$ is Your Key to Great Savings

- **Athletic facilities: $160/yr.** UBC BirdCoop fitness centre
- **UBC Internet access:** at very attractive rates
- **UBC library card:** save $18/yr.
- **Museum of Anthropology:** 10% off $30 membership
- **UBC Media Services:** save 10% on printing services
- **UBC Career and Placement Services:** save 10%
- **UBC Aquatic Centre:** 15% discount on $3.50 drop-in rate
- **Sandman Hotels:** discount rates
- **Outrigger Hotels, Hawaii:** discount rates
- **Price-Costco:** save $4 on a Gold Membership
- **AVIS:** 10% off lowest offered daily and weekly rates
- **Blackcomb:** discount ski packages
- **Financial Post:** discount on subscriptions
- **Grand Okanagan Resort:** corporate rates
- **Business In Vancouver:** discount on subscriptions

**To order call 822-3313, or e-mail alumni@alumni.ubc.ca**

Order now and receive a free 15 min calling card

The $A^{card}$ is available to all UBC grads for **$26.75** ($25+GST).

Mail coupon to: **6251 Cecil Green Park Road, Vancouver, BC V6T 1Z1**

**Name:** _____

**Address:** _____

_____

**Postal Code** _____ **Phone:** _____

**Degree and Year of Grad:** _____

**ID# from label** _____ **e-mail** _____

❑ Cheque ❑ Money order ❑ M\C ❑ VISA ❑ More Info

Card # _____ Expiry Date _____

Signature _____




ments and faculties. Agricultural sciences offers an interdisciplinary undergrad science degree specializing in international resource systems, with a program that includes required credits in cross-cultural sensitivity, language training and international work exchange.

What is the role of an international university in the 21st century? Should it play an active role in areas like international relations, or isolate itself and focus inward on pure research and traditional classroom education. Is it appropriate for universities to play an active role? Ivan Head thinks so. "The great universities have always been effective social activists, not simply withdrawn creators and transmitters of knowledge."

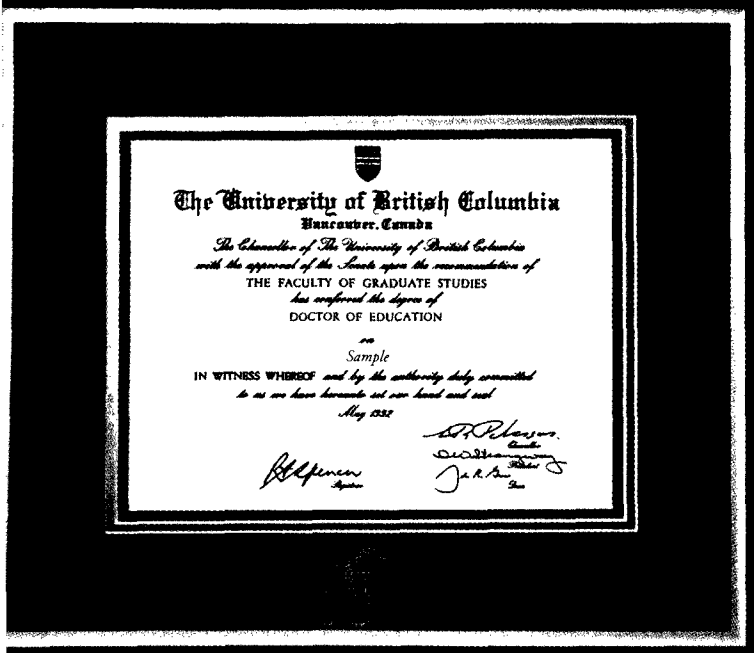
The recent meeting of the Asia Pacific Economic Cooperation (APEC) leaders at UBC, and the accompanying student protest, present two sides of a complex coin. The meeting would not have been held on campus without UBC's strong international reputation, and the student protest would not have occurred without an internationally aware student population. Perhaps the two go hand in hand in a democratic society and ultimately, that is something UBC can be proud of. As Brown points out, "the fact that APEC was here further heightened the awareness of the university community. No other university community in the country, perhaps in the world, is as aware of Asia Pacific issues as UBC."

Larry Sproul also believes UBC has gone much farther than any other Canadian university in seeing internationalization as a deliberate process of self-transformation. "Many other institutions still see internationalization as this year's fashion, a coat to throw on. UBC sees it as integral, involving a profound change in our own mind set about what we do and how we do it." Even UBC's Food Services has recently added samosas and rice bowls to the daily soup and sandwich fare at small campus cafeterias. We take it for granted, but food is a simple and profound symbol of cultural exchange.

It's biology's diversity principle playing itself out on an institutional level. Success depends on finding new ways of adapting to changing environments. When international students, faculty and visiting scholars bring new ideas to UBC, when UBC students and faculty go abroad, the whole institution adapts. We trade experiences, learn different ways of knowing and doing things.

Institutions rarely survive for a thousand years. Perhaps universities have done so because the people embodying them have the capacity to recognize change and to adapt. Internationalization bodes well for UBC, then, because as Ivan Head points out, "Fences, notwithstanding Robert Frost, are not appropriate for universities at the end of the 20th century." ●

# Display a *new* degree of distinction.




*$69.95 (plus shipping and handling)*

## *...with a prestigious degree frame*

Give your degree the status it deserves. You've spent years earning it. Now proudly display your achievements for everyone to see with a frame specially designed for UBC alumni.

*This distinctive satin gold metal frame includes:*

- A specially minted 24 ct. gold plated medallion inset in the matting, bearing the official seal of UBC and surrounded by embossed gold leaf.
- Custom bevel edged *triple* matting with acid free core and backing paper.
- A special acrylic facing, superior to standard glass in providing UV protection.
- A unique and second-to-none frame back that allows you to insert your degree in a minute or two without the use of tools

Every degree frame comes with our unconditional guarantee of satisfaction or your money refunded.

# ORDER FORM *(Simply complete this form then fax, phone or mail)*

Please send me _____ degree frame(s) at a total cost of $79.75.
Also send me ____ photo frame(s) for an 8"x10" photo @ $39.95 each.
Also send me ____ photo frame(s) for an 5"x7" photo @ $29.95 each.

**My total order is:$_____ plus $10.00 shipping & handling= $_____**
***(tax included)***

**Method of Payment**

❑ Visa ❑ Mastercard ❑ Cheque or money order enclosed payable to ***Significant Impact Award Corporation.***

Card #:_____ Expiry Date:_____ Signature:_____

**Shipping Information** *Please allow 3 to 4 weeks for delivery - Credit card orders shipped immediately.*

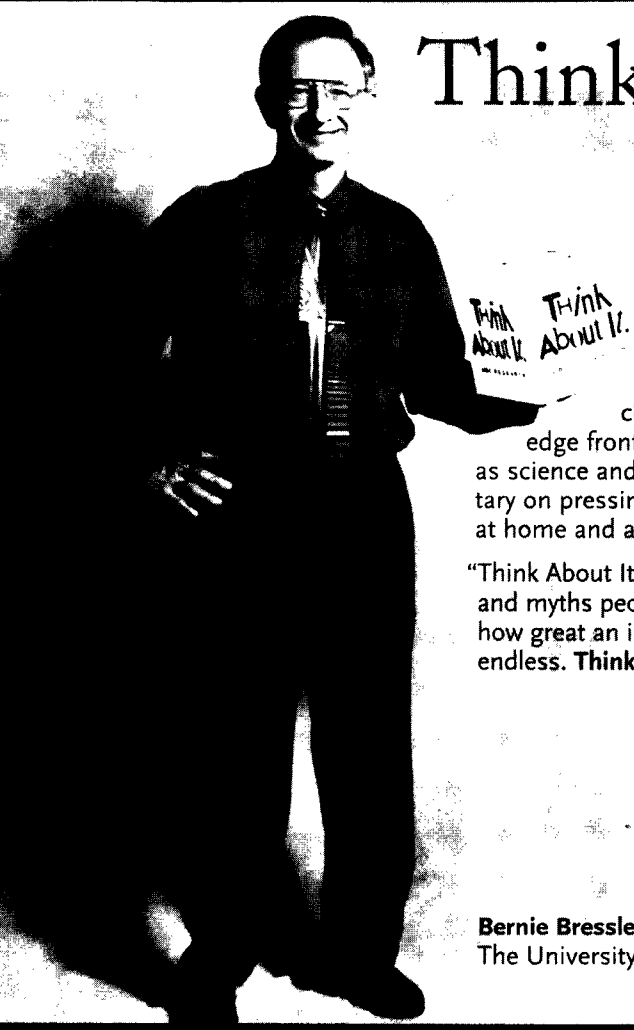
Name: ❑ Mr. ❑ Ms. ❑ Mrs. ❑ Dr._____
Address:_____City:_____
State:_____Zip:_____Phone:(_____) _____

*A portion of the sale of these frames will be used to support the University and Alumni Programs.*

SIGNIFICANT IMPACT AWARD CORPORATION
#5-2345 Windsor St., Abbotsford, B.C., V2T 6M1
1-800-884-3199 Fax: (604) 852-7460
*-Official Supplier-*

*All names and references here are registered trademarks and are protected by copyright.*

# Think About Learning




Research success revolves around three pursuits: discovering, preserving and sharing knowledge. UBC faculty, students and staff continually challenge the ways they think and learn in their ongoing quest to extend knowledge frontiers. Apart from the practical applications of research discoveries in fields such as science and health, seldom a day passes without UBC scholars offering insightful commentary on pressing local, national or international issues. UBC research touches the lives of people at home and around the world.

"Think About It. UBC Research" is a public awareness campaign aimed at breaking down barriers and myths people might have when they think about academic research. We want to show just how great an impact university research has on everyday living. The rewards of research are truly endless. **Think About It.**

**Bernie Bressler,** Vice-President, Research,
The University of British Columbia

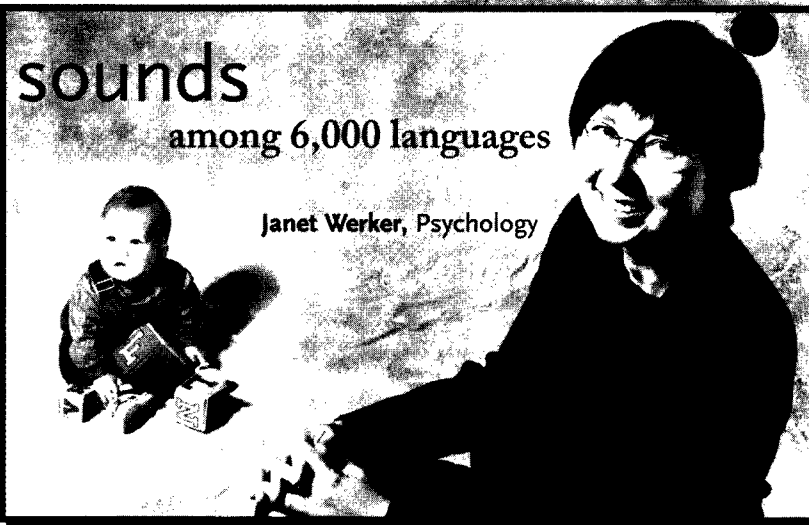
THINK About It

UBC RESEARCH

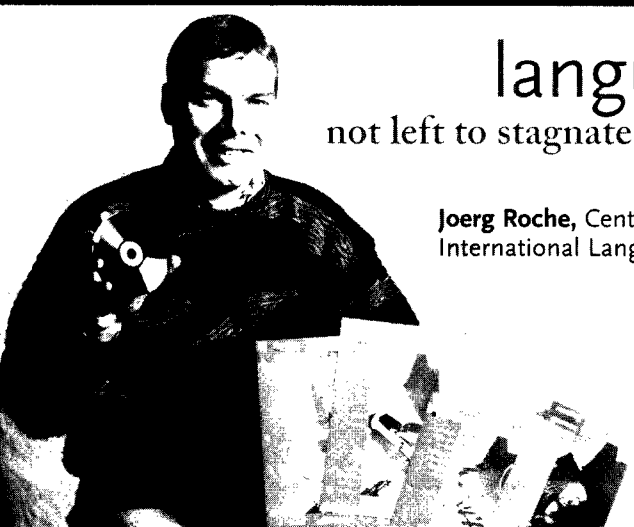
## discriminating sounds among 6,000 languages

**Janet Werker,** Psychology

Language learning is a miracle of early childhood. Long before they begin speaking, children understand language spoken around them. Janet Werker's research shows that infants can discriminate similar sounding consonants (such as da vs ta) among any of the world's approximately 6,000 languages. By the time they reach their first birthday, infants become selective listeners, tuning to only those sounds in their native language. This ability to break into the flow of speech and pull out individual words and meaning is directly linked to other important developmental achievements.



## language should be useable, not left to stagnate

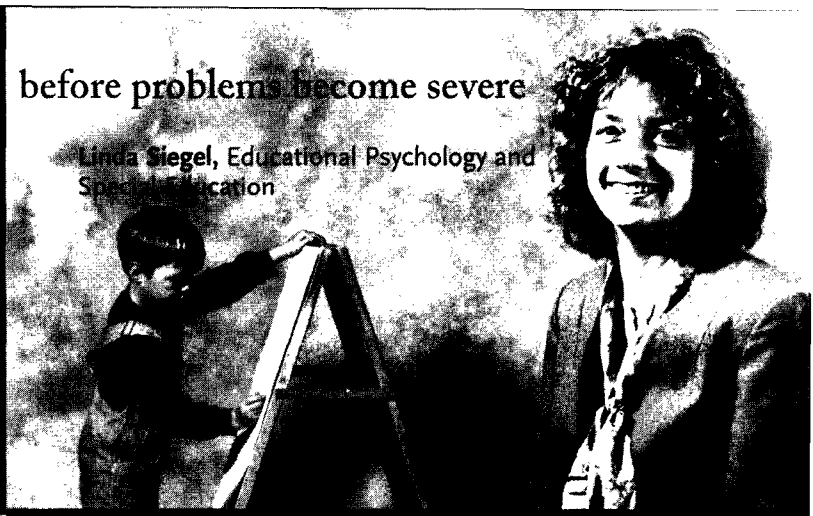


**Joerg Roche,** Centre for International Language Studies

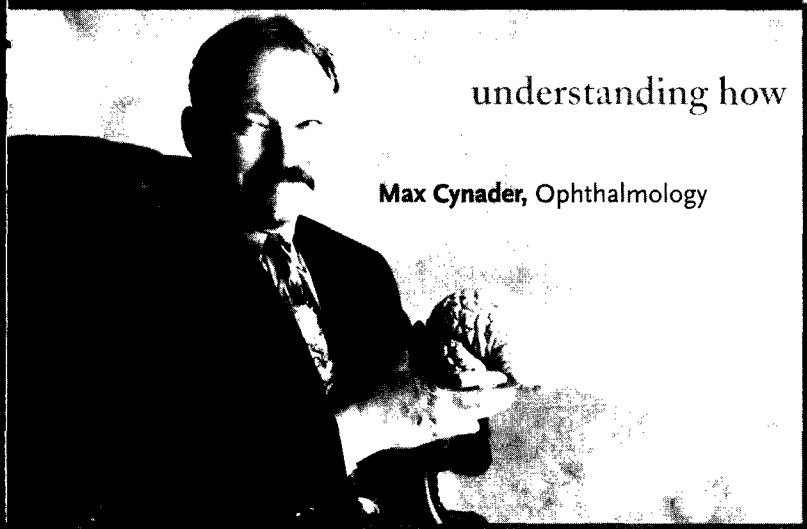
Linguist Joerg Roche develops multimedia programs which allow students to learn "immediately useable" foreign language skills within one year. For instance, commerce and economics students use his CD ROMs to understand the business language, customs and negotiating strategies of a country. Roche's language programs help learners access scholarly texts in disciplines as diverse as business German, chemistry, music and literature. Apart from adapting his research to other languages, Roche is pioneering advanced use of the Internet for foreign-language learning.

# getting help before problems become severe

Almost a quarter of a million Canadians suffer from some form of learning disability. Linda Siegel studies disabilities—such as dyslexia and attention deficit/hyperactivity disorder—among children and adults. She looks for ways to predict which children will have learning problems so they get help before problems become too severe. A current project with the North Vancouver School Board involves kindergarten students potentially at risk for reading problems.



**Linda Siegel,** Educational Psychology and Special Education



# understanding how the brain grows

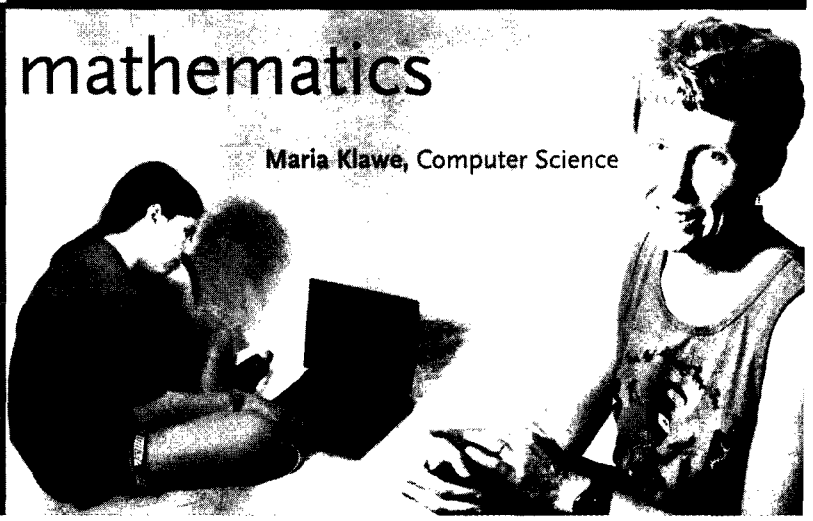
**Max Cynader,** Ophthalmology

Max Cynader knows about learning curves. He specializes in understanding how the brain grows—specifically, how it processes sight and sound. Cynader has demonstrated that the brain passes through stages when it is keenly receptive to new information. His research shows that the brain's sharpest learning curve occurs in early childhood and tapers off by age 5. If a child does not get the right kind of stimulus at the right age, says Cynader, then his or her neurological circuits may not develop properly.

# liking and learning mathematics

Liking and learning mathematics in the intermediate grades are important in preparing children for careers in science and technology. Computer games created by Maria Klawe's research group have helped boys and girls acquire skill and confidence with computers while stimulating their interest in mathematical concepts. Klawe pays particular attention to gender issues because a disproportionate number of girls lose interest in math, science and computers. Klawe's pioneering work brings together teachers and children with researchers in computer science and education.

**Maria Klawe,** Computer Science



# Think About UBC links to learning

- UBC attracts upwards of $135 million annually in research funding from government, industry and foundations
- In the field of medicine and health care alone, UBC academic programs extend to more than [illegible] teaching hospitals and centres around the province
- UBC faculty members conduct more than 4,000 research projects annually in BC
- UBC investigators participate in all 14 research networks funded through the federal government's Networks of Centres of Excellence (NCE) program. The Canadian Genetic Diseases Network is headquartered at UBC
- The University-Industry Liaison Office has helped create 71 companies during the last 12 years, employing more than 1,500 people and attracting close to $634 million in investment
- UBC has 132 Fellows of the Royal Society of Canada—second largest contingent among Canadian universities
- 22 UBC faculty are members of the Canadian Institute for Advanced Research (CIAR)—largest membership among Canadian universities

**Think About It** and learn more about research at UBC by contacting:

UBC Public Affairs Office
(604) UBC–INFO (822–4636)
or our website at:
www.research.ubc.ca

# chronicle **profiles**

## Dean of Forestry

Clark Binkley feels that the job of any faculty of forestry, or any university, for that matter, is to respond to the needs of its community. The British Columbia forest is unique in the world, and the effort of his faculty is aimed at developing better ways to do things in his own back yard.

"The question in BC is how do we maintain a high yield in the forests in the face of diminishing available land and changing attitudes about land use," he says. "It's important to understand forestry problems in places like China or Mexico, and to work toward solving them. But the problems in Quesnel or Port Alberni are the ones that occupy our main focus."

This is an interesting perspective from the dean of the best forestry faculty in the country and, arguably, North America. The numbers tell part of the story: undergrad enrolment doubled between 1992 and 1998 to nearly 650; grad enrolment increased by a third to 212 in the same period for a student-to-faculty member ratio of 3.7 to one, close to the faculty's capacity. And one of the chief indicators of success, competitive grants and external funding, doubled in the same period to more than $10 million, the highest of all Canadian schools.

Focus on local concerns is also one of the reasons it is the best. Faculty members are part of the forestry community in BC, provide their expertise in both public and private concerns, and bring a deep knowledge of our back yard forest to the classroom.

Binkley puts the credit for Forestry's success on the talents of his faculty. "Our faculty are involved in the great issues of the day," he says. "They are key members of every major forestry initiative in the province. We were involved in the Clayoquot Independent Scientific Panel, in the development of the Forest Practices Code, and we are always consulted on various certifications issues. I couldn't have asked for a better group to work with. They have good ideas and they're willing to put in the time and energy to develop them."

Sean Kelly photo

*Clark Binkley and fourth-year Forestry student Jody Frolek during a donor appreciation phonathon to forestry alumni.*

Another major faculty-led study concerned revisions to the Japanese housing code. That work helped avoid changes to the code which would have had a serious impact on the coastal forest industry.

Faculty members have also driven the development of Forestry's programs. The Conservation Program, the Centre for Advanced Wood Processing program and the renewed undergrad forestry program were all faculty initiatives.

"We have a very active faculty," Binkley says, "and they represent all political and economic perspectives. We don't have a specific 'Faculty Policy' about forestry issues. Except for one: we all believe that the application of science will improve forest management." ●

### Clark Shepard Binkley

**Dean, Faculty of Forestry**

- Born December 1, 1949
- Married (Nadine Bonda Binkley) with three children
- **Education**

  PhD, Forestry and Environmental Studies, Yale, 1979

  MS, Engineering, Harvard, 1976

  AB, Applied Mathematics, *cum laude*, Harvard, 1971
- **Career**

  1978-90, professor of Forestry, Yale. Full professor, 1986.

  Member of numerous private and public sector forestry-related committees and advisory boards.

  Numerous published refereed articles in professional journals

  Edited or co-wrote five books.

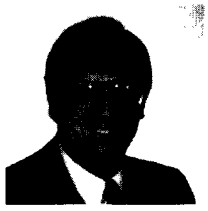
  Numerous book chapters, articles and book reviews.
- **Quote:**

  "Private forest tenures are a much more effective way to manage the forest. Managed stands produce 2 to 5 times more yield than naturally managed stands."

# board of **directors** ✔ Election

"A great team." Members of the Association's Board of Directors give their time and expertise to help develop and execute alumni programs.

## President

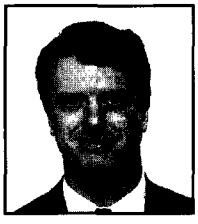


**Haig Farris**
*BA'60, LLB, LLD'97*
**University Activities:**
Adjunct Prof., UBC Faculty of Commerce; Chair, President's Advisory Committee of the Library; Member Green College Advisory Committee.
**Community Service:**
Past chairman of the Science Council of BC; past member of PACST (the Premier's Advisory Committee on Science and Technology); past governor of Science World BC; past member of the boards of the Vancouver Opera, Waterfront Theatre and the Vancouver Playhouse.
**Occupation:**
President of Fractal Capital Corp., a venture capital company.

## Senior Vice President

No nominations were received for this position. Louanne Twaites has been appointed acting Sr. VP until an permanent appointment is made.

## Treasurer



**R. Thomas Hasker**
*BA'86*
**Alumni Activities:**
Mentor Program participant.
**Community Service:**
Founding member, Director, Midland Walwyn Charitable Foundation; Director, Richmond Chamber of Commerce; Member, Richmond School District, Career Development Advisory Committee.
**Occupation:**
Financial Advisor, Midland Walwyn Capital Inc.

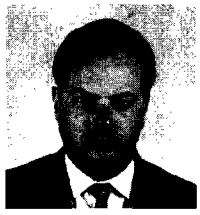
## Members at Large 1996–98

**Gregory Clark**, BCom86, LLB'89

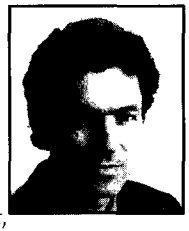
**Jean Forrest**, BPE'83

**Thomas Hobley**, MBA'83

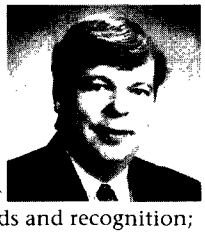
## Members–at–Large 1998-2000



**Don Wells,** *BA'89*
**Alumni Activities:**
Member at Large 1996; Homecoming Committee 1993-94; Alumni Achievement and Sports Hall of Fame Dinner Committee; member Communications/Editorial Board 1993-present (chair); contributing writer, UBC Alumni Chronicle.
**Community Service:**
Canadian Interuniversity Athletic Union Marketing Council (1994-96); Past President Association of Canadian University Sports Information Directors.
**Occupation:**
Manager, Marketing and Communications, UBC Athletics



**Peter Ladner**, *BA'70*
**Professional Activities:**
Founding editor and publisher of *Business in Vancouver,* 1989. Founding editor and publisher of *Vancouver's Business Report,* 1986. Editor, *Monday Magazine*, 1982-86.
**Community Service:**
Director, Downtown Vancouver Association; chair, Leadership Vancouver; member, Vancouver City Planning Commission, 1994-97.
**Occupation:**
Publisher, *Business in Vancouver.*



**Lorne A. Whitehead**, PEng,*BSc'77, MSc'79, PhD'89*
**Professional Activities**
Developed light guide technology and received numerous patents, awards and recognition; founded TIR Systems Ltd. to develop the technology for market. 3M/NSERC chair for Structured Surface Physics, UBC. Member, Canadian Association of Physicists; Illuminating Engineering Society; Canadian Research Management Assoc.; member of the board of Sonigistix Technology Corp. Chair of International Lighting Commission Technical Committee.
**Community Service:**
Chair, Exhibits and Programs Committee and board member, Science World; member, Scientific Advisory Committee of Science World. Member, Bicycle Network Sub-Committee, City of Vancouver; Director, Carnarvon Residents Association.
**Occupation:**
Associate Professor, UBC Physics.

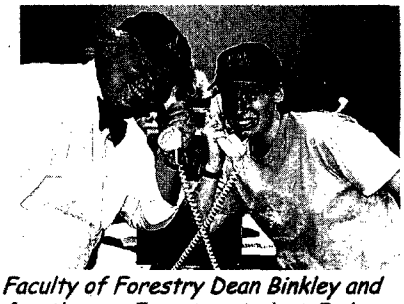
## The Board of Directors

Elections are held each Spring for membership in the Association's Board of Directors. All officers (except the Treasurer) serve two-year terms. The senior vice president automatically becomes president after the president's two year term. Three of the six members-at-large are elected each year to provide continuity on the Board.


# Thank You!

**On behalf of our students, we would like to thank the 18,000 generous alumni who included UBC in their annual charitable giving during the past school year.**

**Your support makes a difference!**



***Faculty of Forestry Dean Binkley and fourth-year Forestry student Jody Frolek helped call 451 Forestry alumni to thank them for their donation.***

**the UBC Annual Fund**

6253 N.W. Marine Drive
Vancouver, B.C. V6T 1Z1
Phone: (604) 822-8900
Fax: (604) 822-8151
e-mail: Annual.Fund@ubc.ca

# alumni **news**

President's Message

BRANCHES

## Branch events keep you in touch.

Watch for mailings about branch events in your area.

### Recent branch activities:

- **Hong Kong:** Martha Piper came to the American Club on Jan. 5 to meet more than 120 alumni and friends.
- **Taipei:** Martha Piper met grads, near-grads and UBC friends at a UBC Alumni and Friends Breakfast, Jan. 8.
- **British Columbia:** Martha Piper made a whirlwind tour of Victoria, Prince George, Kelowna and Kamloops, from Feb. 12-17. She met with high school students, business groups, and alumni.

### ... and upcoming events:

- **Washington, DC,** All Canadian Universities 22nd Annual Alumni Event, April 25, at Phillip's Flagship Restaurant. Contact Cindy Coolidge at (703) 239-8507.
- **Edinburgh, Scotland** reception with Martha Piper, April 14 at the Sheraton Grand Hotel.
- **London, England**, alumni reception with Martha Piper, April 17. Contact Paul Hitchens at (w) 71-214-1074 or e-mail: paul.hitchens@baring-asset.com

### Student Send-Offs

Help UBC-bound students by sharing your tips on survival in the big city. We're planning send-offs for August. Call and volunteer your expertise!

For more information about branch activities, or to establish a branch in your area, contact Marlene King at (604) 822-8918, e-mail: kmarlene@alumni.ubc.ca.

As president of your Association I feel a bit like a whirling dervish. UBC is such a complicated place and so driven by innovation and change, that trying to understand the issues and opportunities so that effective Alumni policies can be developed and implemented is a real challenge. It's also very stimulating. We try to focus such programs as our Awards dinner, Alumni Day, reunions and student mentoring to draw in more grads as volunteers and to serve the needs of the university.

The energy, enthusiasm and intellect of our new president, Martha Piper, are currently focussed on developing a strategic vision and plan for the new millennium. She has been very supportive of our programs and has a clear understanding of how valuable a motivated and active alumni association can be to the development of a university.

The Alumni Association has its dreams. One is to create a permanent endowment that would ensure we have the financial capability to serve the needs of our present and future alumni. That dream is on the way to coming true. Helen Mortimer Knight, a UBC grad and Great Trekker, passed away without heirs and left her entire estate, $250,000, to the Association. Her bequest asks that the income be used to help needy students. The capital will be held in a new endowment trust called "The UBC Endowment Fund for Needy Students," and will be professionally managed. The trustees of the fund will be UBC grads. We will create a grants committee to develop policy and to make grants to needy students.

Since Ms. Knight's bequest, we have received four other donations totalling $25,000 to add to the pot. With 36,000 students roaming around the campus, it's unlikely that the income from $275,000 will create a class of "non-needy students," but it is a good start.

I'd like to thank Misha D'Yachkov, a TRIUMF physicist for his work with our Web page. He's helping us turn the site into a mini-TV station where you'll be able to learn about UBC activities live and in colour on your home PC. We will present interviews with UBC people, clips of athletic events and some of the sights and sounds of the campus. Visit our web now and view Martha Piper's speech at the Alumni Awards dinner.

As graduates, we must ensure that UBC remains a first rate institution. We have 36,000 students and a budget of $750,000. Stanford, in California, has 14,000 students and a budget of $1.4 billion. Think about it! ●

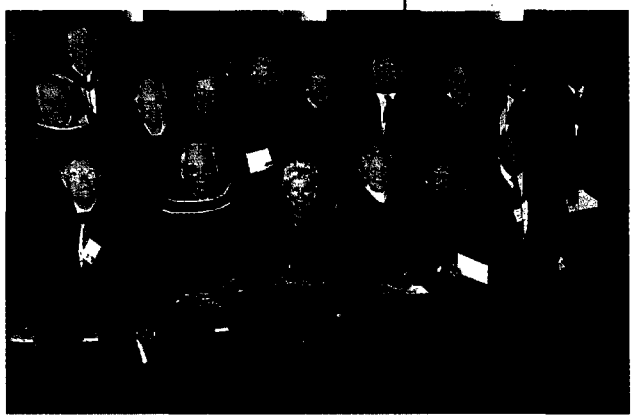
**Haig Farris, President,**
**UBC Alumni Association**

## Visit Our Website

We're upgrading our website to include audio and video clips of UBC events and people. Visit the site now to see and hear UBC President Martha Piper's address to the 3rd Annual Achievement Dinner, current and past issues of the Chronicle and much more.

www.alumni.ubc.ca

# Now, Doesn't This Look Like Fun?



You don't really get a sense of the bonding that goes on during your time at university until much later when you get together with the men and women with whom you studied and socialized all those years ago.

The folks at the top dressed up in robes are members of the Class of 1937 who got together to celebrate their Diamond Anniversary reunion last year. They attended Congregation in the Chan Centre, crossed the stage and received certificates from new president Martha Piper. It was a touching scene.

Below, 20 members of the 1982 Medicine class took a cruise to San Francisco on the Regal Princess in September, 1997. As you can see, they all seem to be having a great time.

Interested in a reunion of your own? Call our Reunions Coordinator at 822-8917 and start planning the fun now. ●

# VOC Oldtimers Have Fun, Too

Vintage VOCers get together regularly to trek up hill and down dale. This pic shows the group at the skiers' parking lot on Mt. Seymour.

They started their hike with the usual goal in mind: any good place to eat lunch. Twenty-five of the 27 made it to Brockton, and after lunch seven took off for the second peak. One kept on and made it to the third and highest peak. Who said oldtimers can't keep up!

The 1998 annual hike is already organized for September 9 at the Cypress Bowl downhill skiers parking lot. Call Ingrid Blomfield, 926-1156, Margaret Merler, 922-8973 or Iola Knight, 922-7358 for more information. ●

R E U N I O N S

## Is 1998 Your Reunion Year?

### Reunion Weekend is Oct. 16, 17, 18

If so, now is the time to prepare. These reunions have been scheduled for 1998

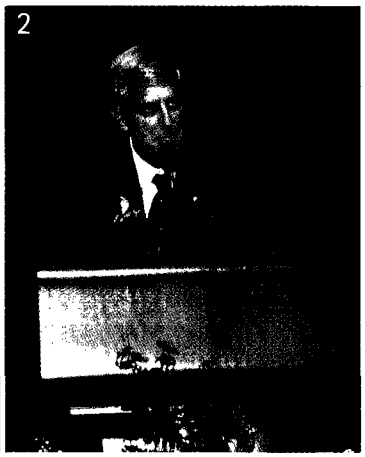
- **Class of '48** faculty reps needed.
- **Pharmacy Class of '95**'s 5th annual camping trip is in Sept. Contact Michelle Steuart at 584-8554 or Roxanne Carr at 325-5424.
- **Dentistry '68, '73, '78, '83, '88, '93:** Pan Pacific Hotel, Mar. 13.
- **Pharmacy Class of '53:** May 8, 9. Call Louanne Twaites, 224-0390
- **Rehab Sciences '73:** Oak Bay Beach Hotel, Victoria, May 16-17.
- **Nursing '63:** TBD, May 15.
- **Law '68:** Royal Vancouver Yacht Club, June 6.
- **Applied Sci. '58** UBC, Oct.16-17.
- **Class of '48:** UBC, June 16-18.
- **Class of '38:** Cecil Green, Nov. 27.
- Institute of Animal Resource Ecology & Zoology Graduate Students & Staff **1970-73**, UBC, Sept. 12.

For more info, please contact Catherine Newlands at 822-8917 or e-mail newlands@alumni.ubc.ca.

## UBC First Nations Alumni Division

**First Nations** graduates who want to maintain contact with each other and with the university are invited to form a First Nations Alumni Division. If you are interested, please contact Ethel Gardner at the First Nations House of Learning at 822-8942, or e-mail: egardner@unixg.ubc.ca

1


2

3

4

5

6

7

8

9

10

11

12

13

October 8, 1998 • 4th Annual Achievement Dinner • Book Your Table Now

# Table Scraps and Dinner Leftovers

The third annual Alumni Achievement and Sports Hall of Fame Dinner was, by anyone's standards, a monster success. The Hyatt Regency laid on a spectacular meal, Martha Piper dazzled the assemblage with her talk and the University Singers took "Think About It!" to new musical heights.

The real stars of the show, though, were the award winners: men and women with UBC credentials who have made a splash in their careers, in sports or just in life. **Pictures:** 1) Alumni award winners in a lineup. **Geoffrey Scudder**, Faculty Citation; **Michael Smith**, Lifetime Achievement; **Thelma Cook**, Faculty Citation; **Louanne Twaites**, Blythe Eagles Volunteer Service; **Kent Westerberg**, Branch Rep; **Dato'Lim Say Chong**, Award of Distinction; and **John Cameron**, Outstanding Student with wife Marion. 2) Co-Master of Ceremonies **Haig Farris** tells everyone to sit down while, 3) Lifetime achiever Michael Smith enjoys a fondly-gazed-upon chuckle. 4) **Martha Piper**, be-hatted, makes a point. Her talk was (and still is) made available, in full motion video, on the Association's website. Even her mother in Ohio got to see it. 5) Past Chancellor **Bob Lee** congratulates current Chancellor **Bill Sauder**. Bob gave Bill a $1 honorarium for each year of service. 6) This year's Sports Hall of Fame team winner, the **1945/46 Basketball team**. 7) Branch Rep Award winner Kent Westerberg, up from San Francisco, with his mother. 8) Other Co-Master of Ceremonies **Bob Philip**, director of UBC's Sport Services, also tells everyone to sit down. 9) The University Singers, under **James Fankhauser**, sang a rousing version of the new hit, "Think About It," written by Public Affairs talent **Charlie Ker**. 10) Outstanding student John Cameron flew in from Hong Kong for the occasion. 11) One hundred and one and still sweeping them off their feet: **Evelyn Lett** and Alumni pres Haig Farris share a photo op. 12) Association treasurer **Tom Hasker** seemed cautiously optimistic that the dinner would break even. 13) Award of Distinction winner, Dato'Lim Say Chong and his wife, **June.** They flew in from Malaysia and seem none the worse for wear.

The smiles were genuine, and everyone is looking forward to the next one on October 8, 1998. Book your table now!

*Photos by Chris Petty and Steve Chan*

# Gibson's Medical Comets

**Dr. Bill Gibson,** BA'33, former president of the Alumni Association, professor emeritus and friend has done it again. His new book, **Medical Comets: Scholarly Contributions by Medical Undergraduates** is a fascinating read, likely to appeal to anyone interested in medicine, invention or the obscure beginnings of marvellous things.

Discoveries made by undergraduates have revolutionized both the study and practise of medicine. Some of these bright lights went on to make great names for themselves, while others vanished from sight with nothing but their discoveries left behind.

Interesting and insightful, as usual, Dr. Gibson melds good scholarship with good writing. The book can be purchased through UBC Press, (604) 822-3259 for $24.95.

## Alumni Day, 1998
## Saturday, Oct. 17

ALUMNI DAY

A day dedicated to you and UBC
Some events planned:

- Chan Centre performance and tour
- Guided bus and walking tours of the campus
- Spectacular art at the Belkin Art Gallery
- Free Internet surfing at the stunning Koerner Library
- Lunch at Green College with outstanding scholars
- A thought-provoking lecture from an award-winning faculty member
- Beer Garden
- A munch-fest at the Botanical Garden Apple Festival
- Yelling and screaming at special sports events.

. . . and don't forget

**4th Annual Achievement Dinner, October 8, Hyatt Regency**

and the

**Alumni Reunion Weekend Oct. 16, 17 & 18, 1998**

**Call 822-3313**

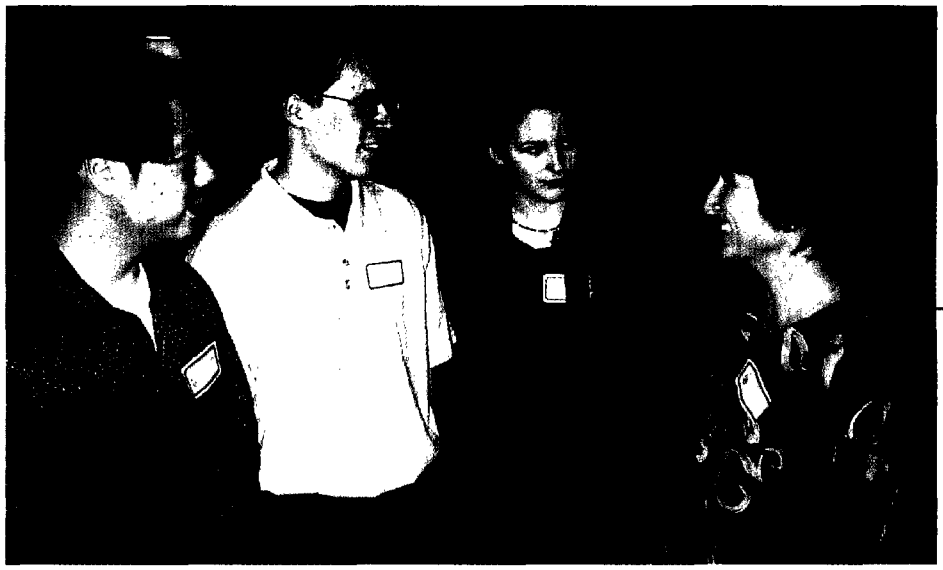
**or visit our website: www.alumni.ubc.ca**

YOUNG ALUMNI

The new Young Alumni group is made up of recent grads who want to stay in touch with each other and with the university. We get together for networking, skills development, sports and just plain fun. Join us and become part of a dynamic group. Upcoming events include:

- The Vancouver Network for young professionals, March 3 and April 7.
- Assoc. of Multicultural Services & Social Agencies, March 21.
- Investment Club, May 4.
- **Breakfast with Martha Piper and Alumni President Haig Farris, June 5, 7:30 am.**

For more information, call Kristin Smith at 822-8643, check out our website: www.helinet.com/ya or e-mail: navy_bean@hotmail.com



Chris Petty photo

## Alumni Help the New Kids on the Block

Mentors. Men and women who have waded out into professional waters, attacked (and been attacked by) sharks, stubbed their toes on sharp rocks, and who are now swimming like fish. Men and women who want to help today's students through the tough spots. Men and women like you.

The Alumni Association ran five mentor lunches this year with more than 200 students and 50 alumni. Today's grad faces many new and different challenges. Students eagerly sought advice from grads who have been there and done that. Mentor lunches provide career suggestions and practical advice. If you have a wide range of career experience, want to keep in touch with UBC and have a desire to help today's students, call Kristin Smith, Student Programs Coordinator, at 822-8643, and lend a helping hand.

**Valley Hennell**, *BA'70, MA(CrWr and Media)'72*, above, provides some insights to Rebecca Clapperton, 3rd year international relations, John Scheunhage, 5th year environmental science and Terrence Tang, 4th year family science.

## Murder Most Foul

One of the most popular alumni activities is solving murder mysteries at Cecil Green Park. Eighty grads turned up, magnifying glasses in hand, at Oct. 19th's Murder at Green Gulch to point fingers, eat cake and libate while sorting through the suspects.

Gerald Vanderwoude was the crafty Sheerluck Holmes, and Guy Fauchon *BFA'91* played it up as Dr. Witless.

If you want to organize your own murder, call **Murder Unlimited** at 649-GUNS.

Kam Lau photo

*Sheerluck gets a surprise.*

### Call for Alumni and Sports Hall of Fame Award Nominations

Nominations are now being accepted for Alumni award and Sports Hall of Fame inductees. We give out the awards and induct the sports heros at the annual Achievement Dinner to be held this year on October 8. Call the Association offices, 822-8923 for information on Alumni awards, and Athletics at 822-3918 for information on the Hall of Fame. Hurry, deadline for Alumni Award nominations is April 1, while the Hall of Famers deadline is the 15th.

# on the arts

## upcoming exhibitions:

## UBC Museum of Anthropology

• **Recalling the Past: A Selection of Early Chinese Art from the Victor Shaw Collection**, through Aug. 31, 1998, Masterpiece Gallery.

• **From Under the Delta: Wet-Site Archaeology in the Lower Fraser Region of BC**, through April 1, 1998, Gallery 9.

• **Selected Works from MOA's First Nations Print Collection**, through April 12, 1998, Gallery 10.

• **Hereditary Chiefs of Haida Gwaii**, April 28–Dec. 31, 1998, Gallery 10.

• **Tahaygen and K'woiy ng: Works by Charles and Isabella Edenshaw**, April 28 to Dec. 31, 1998, Outside Gallery 10. Phone 822-5087 for information.

## Belkin Art Gallery

**New Vancouver Modern:**
featuring Vancouver artists Myfanwy MacLeod, Damian Moppett, Steven Shearer, Ron Terada, Geoffrey Farmer and Kelly Wood.
February 6-March 29

**Zhang Peili and Gu Wenda: The Body and the State:** Apr. 24-May 16

**UBC Photo Collection:** May 29- July 26

**Tracing the Body: Canada and the Male Photographer:** Aug. 7-Sept. 27

Call 822-2759 for more information.

## Chan Centre for the Performing Arts

**Robert Silverman: The Complete Beethoven Sonatas**

| | |
|---|---|
| April 26 | Sonata No.4, 5, 25, 27, 31 |
| May 10 | Sonata No.12, 13, 14,15 |
| Sept. 20 | Sonata No. 17, 26, 24, 11 |
| Oct. 18 | Sonata No. 8, 10, 7, 2 |
| Nov. 22 | Sonata No. 6, 18, 29 |
| Dec. 6 | Sonata No. 16, 3, 32 |

Each concert starts at 3 pm.

**Chan Shun Concert Hall dates:**

| | |
|---|---|
| March 20 | Ardini String Quartet |
| March 26 | UBC Symphonic Wind Ensemble |
| March 27 | UBC Choral Union |
| March 27 | UBC Symphonic Wind Ensemble |
| March 28 | UBC Choral Union |
| April 1-5 | UBC Opera Ensemble |
| April 11 | Duo Pekinel, piano duo |
| April 15 | Angela Au, solo piano |
| April 19 | Maureen Forrester: Interpretations of a Life |
| April 20 | Kronos Quartet |
| April 22 | Peking Acrobats |
| April 23 | Israel Camerata |
| April 24 | Emerson Quartet |
| April 25 | Moscow Chamber Orchestra |
| May 17 | Denyee Graves, mezzo-soprano |
| June 6 | Vancouver Youth Symphony |
| June 18 | Esprit Orchestra |
| June 20 | Vancouver Chinese Choir |

For tickets & info, please call Ticketmaster at (604) 280-3311 or the Chan Centre Box Office at (604) 822-2697.

## Vancouver Institute

March 21: Cecil and Ida Green **Lecture: Dr. Angeliki E. Laiou**, Director, Dumbarton Oaks Center and Professor, Department of History, Harvard University: *Two Versions of Christian Warfare: The Crusades and the Byzantine Empire*

**March 28: Professor Stanley Coren**, Department of Psychology, UBC: *Dogs and People: The History and Psychology of a Relationship*

April 4: **Carol Shields**, author of *Larry's Party, The Stone Diaries.*
*Making Words/Finding Stories*

*Robert Silverman performs the complete cycle of Beethoven's piano sonatas between now and December, 1998. Call the Chan Centre for the Performing Arts, 822-2697 for more information.*

*Top right photo: Source for Steven Shearer's Module, photo by Geri Hogstrom, London, 1969. Part of the New Vancouver Modern exhibition at the Belkin Art Gallery until March 29.*

# graduate **profile**

## Mike Harcourt, BA'65, LLB'68

Chris Petty photo

*Mike Harcourt, in front of his office at the C.K. Choi Building for Asian Studies*

**If you thought you saw** a former BC Premier walking down East Mall, you were probably right – Mike Harcourt is currently working at UBC. He is convinced that answers can be found for the world's population and environmental problems by focusing on sustainability, livability and cooperation.

Harcourt has 25 years experience in the area of governance and sustainability. As a Vancouver alderman, he was involved in the formation of the Greater Vancouver Regional District, instead of a Vancouver megacity, as an innovative solution to urban expansion. As well, Harcourt was BC's Premier when the provincial government developed growth strategies for BC and the Georgia Puget Basin ecosystem. He is currently working on new housing initiatives for the homeless in Vancouver and throughout the province. BC, says Harcourt, is one of the world leaders in growth management.

We're entering the urban century, he says, when more people world-wide will live in cities than in the countryside for the first time in human history. It's been happening in the West for a hundred years, but in the next 25 to 30 years, an "urban tsunami" will bring 2.7 billion more people to the planet, and ninety percent of them will be in the cities of developing countries. China, for example, plans on building nearly 300 cities with two to three million people living in each one. The speed and magnitude of the changes are staggering, Harcourt says. It will be hard to govern the growing world population, but even harder for governments to convince everyone it's in their best interests to work together to achieve a sustainable future. "How do you get government at all levels to travel on the same path?" This is the area where Harcourt brings expertise.

As the chair of the foreign policy committee of the National Round Table on the Environment and the Economy, Harcourt works with politicians and academics to advise the Prime Minister on building a socially viable "green infrastructure." The next generation of the Team Canada trade approach—called Green Team Canada—will use Canada's urban expertise to generate business opportunities. It is estimated that $3.5 to 4 trillion will be spent building infrastructure in emerging economies during the next ten years.

Harcourt is working with UBC and governments towards these goals. Through UBC's Sustainable Development Research Institute (SDRI), the Centre for Human Settlements (CHS), the Institute of Asian Research, and the Faculty of Graduate Studies, he is finding ways to make cities not only prosperous for their citizens, but also environmentally healthy and socially viable.

At UBC, Harcourt is focusing on five demonstration projects, each encompassing a different geographical area: the Georgia Puget Basin, China's Pearl River Delta, Mexico City, Bangalore and East Cape, South Africa. Harcourt coordinates the three- to five-year projects which will try to find ways for each of those areas to optimize sustainability. The projects use QUEST, a computer modelling system developed at UBC. UBC people working on the projects are world leaders in water quality, agricultural zone management, soil erosion and depletion, climate change and urban geography.

Harcourt is enthusiastic about his role. "I'm able to help coordinate the talent out here at UBC. It's tremendously impressive and very under-resourced." What Harcourt brings to the mix is his ability to bring people together, animate and fund the projects, and integrate UBC's work into a larger made-in-Canada effort.

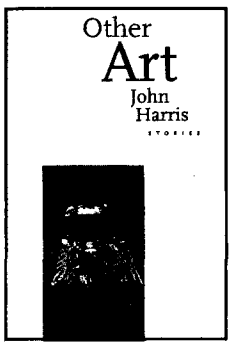
From life as a UBC Political Science and English major and, later, as a law student, through a successful career as an alderman, Mayor of Vancouver, Leader of Her Majesty's Opposition and Premier of British Columbia, Mike Harcourt has come full circle. He's back at UBC, working with UBC's talented academics and co-teaching a course as adjunct professor in the Faculty of Graduate Studies. He's priming the next group of UBC students to develop solutions for today's problems. Warns Harcourt, "we could end up with *Blade Runner* cities, just disasters, or they could be sustainable and livable. We have a choice, but we don't have much time. We need to get Canada organised around this issue, and have UBC play the major leadership role." ●

*By Christine Norquist, BA'94. Christine is a 2nd year civil engineering student at UBC.*

# books **received**

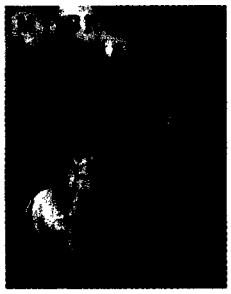
## UBC's Writers

**Other Art** by John Harris, *BA'65, MA'66*
New Star Books. $16



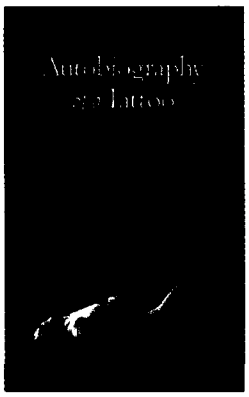

In his second collection of stories, John Harris dissects the mallified life of small town North America. Unusual twists and sharp satire engage the reader in a world where nothing ever really happens, but it's happening so fast you need a guide like Harris to point the way. ●

**My Brother's Train** by Heather Kellerhals-Stewart, *BSW'60*, Illustrated by Paul Zowak.
Groundwood Books. $16.95

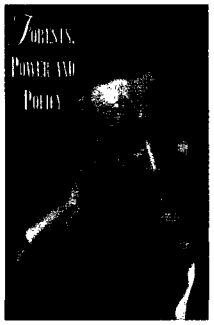


A children's dream story where a girl and her brother journey across North America by train. They cross prairies, mountain ranges and rushing rivers where they see white horses, salmon in unpolluted streams, bears and unspoiled land. ●

**Autobiography of a Tattoo**
by Stan Persky, *BA'69, MA'72*. New Star Books. $19. A literary work about the education and pursuit of homosexual desire. Its mixture of serial stories and modernist meditations invites readers on a journey that ranges from post-Wall Berlin to Plato's Athens. Persky breaks through the current impasse of contemporary gay/queer writing. ●



**Forests, Power and Policy: The Legacy of Ray Williston** by Eileen Williston and Betty Keller, *BA'67*.
Caitlin Press. $34.95

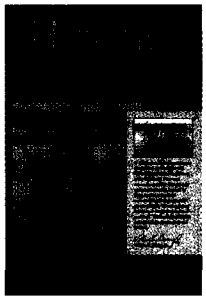


Inequalities in the BC education system sparked Ray Williston to jump into politics in 1953; the education system and the forest industry have never been the same since. This book sheds light on the wheelings and dealings involved in major political decisions during the Socred era. ●

**Mr. Belinsky's Bagels** by Ellen Schwartz *MFA'88*, Illustrated by Stefan Czernecki.
Tradewind Books. $19.95

Mr. Belinsky makes bagels, the best in town. His loyal customers come in every day for their favourites. But when a fancy new bakery opens up across the street, Mr. Belinsky decides he must make other things to keep up. Soon he's baking pies and cakes, doughnuts and muffins and gingerbread...and what a success! But amid all the success, something is missing, and only Mr. Belinsky's flour-covered hands hold the secret. ●

**Hubbard: the Forgotten Boeing Aviator** by Jim Brown, *BCom'49*. Peanut Butter Publishing. $24.95

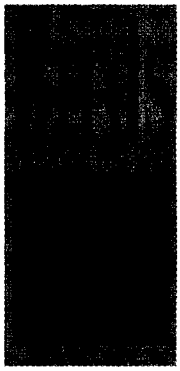


Hubbard was responsible for the first mass-produced commercial aircraft built by Boeing and was an influential part of Boeing's early history. An excellent read for airplane buffs. ●

**Good Health Online** by Jim Carroll, *MFA'74* and Rick Broadhead. Prentice Hall. $16.95

The amount of health and medical information on the Internet is stunning. But as Jim Carroll and Rick Broadhead have discovered, there are many dangers awaiting Canadians seeking advice on the Net. Canada's best-selling Internet authors help you sort the science from the snake oil. ●

**The Birds of British Columbia in four volumes** by R. Wayne Campbell, Neil K. Dawe, Ian McTaggart-Cowan, John M. Cooper, Gary W. Kaiser, Michael C.E. McNall. UBC Press.



Those of us fascinated by the mind-boggling variety of birds can't seem to get enough information about their habits and idiosyncrasies. Most birders have at least two field guides (and are always looking for another) and a small collection of reference books they can read before or after a weekend trek in the muck to catch a glimpse and an earful of a favourite species. These volumes make up a masterpiece of information on birds in BC, clearly presented and authoritative. The maps and charts showing occurrences of various species are accessible, photographs of typical habitat and the birds themselves are excellent and the write-up on each species is exhaustive. At some 700 pages (and a few pounds) each, these books won't see much field action, but they will be used again and again. A must for anyone with an eye for the birds and a desire to know more. ●

# class **acts**

CLASS ACTS

## John Diggens

Vancouver endodontist John Diggens *BSc'68, DMD'72,* has been elected vice president of the Canadian Dental Association. After he received his dental degree at UBC, he moved on to get his certificate in endodontics and a master's degree from the University of Washington in 1979.

From 1990 to 1992 he served as president of the College of Dental Surgeons of BC, and for the past five years he has been the CDA executive council member of BC.

Diggens serves as a dental/endodontics consultant to the BC Children's Hospital, VGH and the BC Cancer Agency and teaches in the department of oral medicine and surgical sciences at UBC. He has been active at UBC for many years. He is currently chair of the Wesbrook Society and of the Green College advisory board. He served as president of the UBC Alumni Association in 1988-89.

## 40s

**Yvette Bayfield** BA'47 and **John Turner Bayfield** BSc'47, BEd'57, MEd'67 will celebrate their 50th wedding anniversary in August. They met at UBC looking down the same microscope in biology lab back in 1944 ... **Gordon Russell Bell** BSc'46 published *Pacific Salmon From Egg To Exit* in 1996. It's for the reader who wants to learn about the species, not about fishing or fisheries ... Retiring after three terms as president of the Vancouver Community Arts Council, **Pam (Seivewright) Chambers** BA'43 received as a parting gift a specially commissioned piano composition by UBC grad **Mark Armanini** BMus'81, MMus'84, which she is happily practicing. She also continues to teach piano ... **Bryan Colwell** BA'41 spent a few days in residence at UBC as part of a Burma Star Association reunion. His son David received his second PhD from the U of A and is teaching at New South Wales University ... **Shelagh (Hawkens) Leach** BA'47 wasn't able to attend the 50th anniversary last June, but toured the campus last October ... **Raymond G. Lockard** BSc'49 retired in 1990 after 14 years as a professor at the University of Kentucky. He was also part of the Canadian Foreign Aid program and USAID ... **David W.H. Tupper** LLB'48 retired in 1987. He and wife Jacqueline recently moved to UBC's Hampton Place. He makes daily attempts to outsmart his Parkinson's with walks to Pacific Spirit Park. He is working on a bio. of his father, the late R.H Tupper, KC, QC.

## 50s

**Pamela (Mawhinney) Chehri** BA'54 recently returned to Vancouver after living in London and Athens ... **James Wallace Clayton** BA'55 retired in November as research scientist with the Dept. of Fisheries and Oceans after 35 years of service. He will continue marine mammal population genetic research with the dept. in Winnipeg ... **Walter G. Hardwick** BA'54, MA'58 was awarded the Order of BC last June ... **Al Hunter** BCom'52 is off to Bangladesh to work on an info system for the Water Development Board. In 1998 he will teach at the Pan Am University in Mexico City ... **Michio Miyagawa** BSc'54 received his dental degree from the U of A in 1958 ... **Matthew Oberhofer** BA'56 retired after 35 years with the Calgary Board of Education in June 1997 ... **Kanau Uyeyama** BArch'57 received a Heritage '98 Design Award from the city of Vancouver, for the restoration of the Kerrisdale Masonic Hall Building ... After 45 years as a public sector trade unionist and communicator, **John C. Ward** BA'52 and wife Florence are enjoying retirement in the bucolic setting of a 110-year-old Victorian farmhouse in Ontario.

## 60s

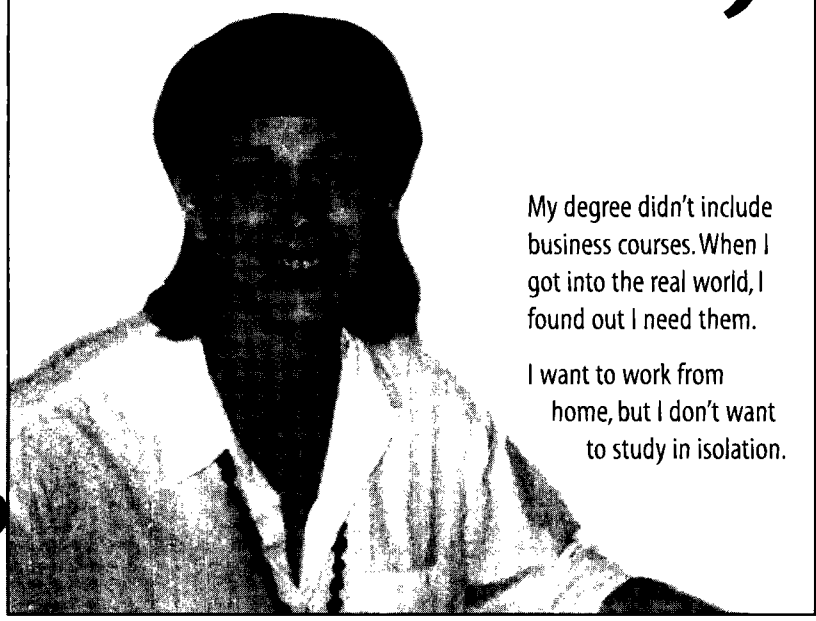
**Dan Birch** BA'63, MA'68 has joined the firm of Janet Wright & Associates after more than 14 years as vice president (academic) and Provost at UBC ... **David Mansfield Bromige** BA'62 was a recent resident at Green College. He has published 30 titles and has won many awards, including the Western States Poetry Prize and the Gertrude Stein Award for innovative writing ... **Jim Dahl** BSc'66 is director of int'l programs for the Christian Children's Fund of Canada. He's had over 75 overseas assignments in 35 countries ... **Tom D'Aquino** BA'63, BSW'66, MSW'67 moved to Moricetown, BC, near Smithers, and is a family counsellor for the Moricetown band ... After teaching elementary school in Vancouver for 35 years, **Sandra (Taylor) Davies** BPE'69 received her BEd in 1993 through summer and evening courses. She retired in June and moved to Victoria with husband Malcolm ... **Bill Finley** BA'67 has closed his 10-year business representing Indonesia's finest batik artists. His newest venture is TWA Corbies Publishing ... **Mike Grenby** BA'63, is Visiting Journalist at Bond University, Gold Coast, Australia. He worked for the Vancouver Sun for 25 years and then "retired" to set up his own business as a freelance journalist and financial adviser ... After 30 years of teaching, including five at UBC, **David H. Harrington** BEd'66 took early retirement from the VSB in 1982. He still teaches industrial arts in Native Band controlled schools ... **Patrick Kingsford** BASc'68 recently retired from the oil and gas business in Calgary and has moved to Qualicum Beach to pursue new opportunities ... **Robert Krell** MD'65 was the Monna & Otto Weinmann lecturer at the U.S. Holocaust Memorial Museum, in Washington, D.C., in June. His book, *Medical and Psychological Effects at Concentration Camps on Holocaust Survivors* was published last September ... **David J. Lawless** MA'60 was appointed founding president of the St. Mary's College, Calgary, in 1996. David retired in 1996 as president of St. Francis Xavier University in Nova Scotia ... Recent retiree **Osborne Love** BASc'61 (Mech Eng) spent 31 years teaching mechanical engineering technology at Mohawk College in Hamilton ... **Don McDiarmid** BASc'60 (Elec Eng) retired from the Herzberg Institute of Astrophysics, but is continuing on as a guest worker. He also recently became an adjunct professor of physics and engineering physics at the U of Sask ... **Leo A.T. Nimsick** LLB'61 retired from the Provincial Court of BC in April. He was recently elected district governor of Rotary District 504A ... **Donald G. Robertson** BSc'61 is retired and living at what used to be their cottage on Lake Manitiouwabing. He and wife Jeanne have one granddaughter and one grandson ... **Tom Skupa** BASc'64 is planning early retirement as general manager of marketing and sales for Fluor Daniel Canada Inc ... **Margaret (Ritchie) Tretheway** BA'68, BEd'72 teaches French as a second language with the Kelowna School District.

## 70s

**Pawan K. Bassi** PhD'76 is national accounts manager for Chevron's U.S. Chemicals Division ... **Karl Brackhaus** BASc'70, MASc'72, PhD'75 has been awarded the Association of Professional Engineers and Geoscientists of BC's most prestigious award. He is founder, president and CEO of Dynapro, a company that designs and manufactures hardware, software, and touchscreen solutions ... **Lyndon Bradish** BSc'73 is now based in Hong Kong as Asian director of Noranda Asia Limited. Wife **Andra Helen (McLean) Bradish**

BA'73 and family remain in Toronto. Commuting time is only 20 hours every six weeks ... **Patrick J. Burns** BA'73 is moving to Argentina from Chile with wife Carolina and their five children. He is president of Argex Minero S.A., and VP Exploration for Mansfield Minerals, Inc ... **Pamela (Bryan) Cochran** BSc'79, MBA'89 and husband Andrew announce the birth of twins, a boy and a girl, on Feb. 10, 1996, in White Rock. They now live in Bangkok ... **William Dalton** BCom'71, CEO of Hongkong Bank of Canada, has recently been made CEO of Midland Bank PLC in London ... **Joy E. Gillett** BSc'74 completed her MPH at UCLA in 1983 an is currently working for Health Canada, Medical Services Branch ... **Peter Gutzmann** BCom'77 is partner with Evancic Perrault Robertson, CGA's. He and wife Deborah have two daughters ... **Bruce Hall** BA'71 is the new fire chief of the Abbotsford Fire Department ... **H.W. 'Hank' Klein** DMD'78 is president of the College of Dental Surgeons of BC for 1997-98. He is currently president of General Dentistry of BC Chapter ... **Colin Y.K. Lau's** BASc'77 (Mech Eng) company, PEC Engineering Inc. has moved to Burnaby ... **Peter MacMillan** BSc'72, MA'91 completed his PhD in 1995 from the U of A and is now an assistant professor at UNBC, in the faculty of Health and Human Sciences ... **Jim McEwen** BASc'71, PhD'75 earned the Manning Innovation Award Principal Prize for his microprocessor-controlled surgical tourniquet. It is the biggest Canadian-made innovation in daily orthopaedic use in the world ... **Brian McKenzie** BA'74 received his MBA from UVic and is working in the Entrepreneurship Dept. there ... **Clement T.S. Mock** BSc'72 is president of the Chinese Realtors Benevolent Association for 1997-98 ... **Patricia Murphy** LLB'78 continues to practice law. Her husband Ross retired after 20 years in the military and is now in commercial real estate. Old UBC friends are invited to their new home west of Calgary with a view of the Rockies ... **Ed Neufeld** BA'79 is an instructor/employment facilitator at Fraser Pacific College in Richmond ... **Kenneth Gordon Neufeld** BA'76 completed his MFA (Creative Writing) at UBC in May and has moved to Calgary ... **Myron B. Patterson** BMus'71, MLS'78 is the head of the Fine Arts Department and the adjunct associate professor of music at the University of Utah ... **Hart Pfortmueller** BA'67 is VP, private investment management div., Western Canada at Montrusco Associates Inc. ... **Sheila (Currie) Purves** BSR'79 has been elected to Delta Omega, the honour society for public health professionals ... **Patrick Raynard** BA'75, MLS'78 has been appointed Archdiocesan Archivist for the Roman Catholic Archdiocese of Vancouver ... After a stint as assistant deputy minister for Treaty Negotiations, Ministry of Aboriginal Affairs, **Angus E. Robertson** BA'72, MA'77 and wife Cindy relocated to Whitehorse in April. He is now ADM, Intergovernmental Relations, Yukon govt ... **John Severson** PhD'71 is professor of biology and dean of academic studies at Saint Louis University ... **Dennis W. Sexsmith** BA'76, MA'80 graduated from UCLA with his doctorate in art history in June, 1997 ... **Brends (Taft) Silsbe** BEd'77 has published her 5th children's book, *W. Haigh, Animal Poet*, ITP Nelson Publishing ... **Robert Sinclair** BCom'74 and family are moving back to England after living in Toronto and Delaware. Robert has been appointed global packaging manager for ICI Melinex ... **Kenneth J. Stewart** BA'71 is associate professor of Theology at Covenant College in Georgia. He obtained his PhD in 1992 ... **Sylvana Tomaselli** BA'77 married the Earl of St. Andrews and became the Lady St. Andrews in January, 1988. After UBC, she got her MA in political theory at York, then went to England as a post-graduate at King's College, Cambridge, where she became a research fellow at Newnham ... **Rosalie Tung** MBA'74, PhD'77, a professor of international business at SFU and recipient of the UBC 75th Anniversary Award, has been elected to the Royal Society of Canada. She is the third person in the society's 100 years to be admitted as an academic representative in business administration ... **Mark Weintraub** BA'76, MA'78 has joined the firm of Clark, Wilson, Barristors & Solicitors as a partner in the litigation department ... **Tom Wolf** BA'76 has been promoted to colonel and command of 41 Canadian Brigade Group in the Canadian Army Reserves. He is still working for Digital Equipment as worldwide outsourcing human resources manager.


Reality Cheque



My degree didn't include business courses. When I got into the real world, I found out I need them.

I want to work from home, but I don't want to study in isolation.

*ONLINE*
GRADUATE DIPLOMA IN BUSINESS ADMINISTRATION

Four 13-week semesters online.
Courses you take where you are, when you can.

University courses on finance, accounting, economics, marketing, human relations, management, information technology.

SIMON FRASER UNIVERSITY
Faculty of Business Administration
tel (604) 291-5541
fax (604) 291-4920
e-mail gdba@sfu.ca
web www.bus.sfu.ca/gdba/

CLASS ACTS

## Shelina Karim

Shelina Karim *BA'93* has joined the executive recruitment firm of Pinton Forrest & Madden/EMA Partners International as Director of Research.

Karim comes to the firm with four years of experience with Colliers International as Director of Research in its Sacramento office and as Senior Research Analyst, National Research in Vancouver.

Karim will help to design and implement the firm's overall executive search strategy and will provide research services on specific client assignments.

# 80s

**Megan Balmer** BEd'83, MEd'89 and husband John E. Balmer BA'52 built a sailboat and sailed to Australia, New Zealand, and to several South Pacific countries. They were gone for 26 months ... **Gordon Bednard** BA'80 has worked with the Forest Land Commission in Burnaby for three years ... **Michael Bentley** BA'85 and wife **Lesley (Williams) Bentley** BA'84 lived in Palo Alto, California for a year while Michael earned his Masters of Science in Management at Stanford ... **Gino Bondi** BA'88, MA'94 and wife **Linda (Ros) Bondi** BA'94, BEd'96 teach with the Vancouver School District. They had their first child in December ... **J. Robert Bulger** BSc'83 and **Ann (Neil) Bulger** BSN'83 announce the birth of their second child Jennifer in July, a sister for two-year-old Jonathan ... **William Chew** BA'82, Lic Acct'85 is Manager of Treasury Services at UNBC ... **Richard William Clift** BASc'80 is working at Atlas Specialty Steels, technical control department as general supervisor, mill metallurgy. He and wife Marietta had a daughter, Alicia Lynn, in April, 1996 ... **Brian David Cornish** BASc'85 and wife **Shelly Marie Hills** BA'91 have lived in Papua, New Guinea for three years and just had their third child ... **David Cramb** BSc'85, PhD'90 (Chem) and **Patti Stevenson** BA'89, BSN'93 have left the big smoke and settled in cow town. David is associate professor in Chemistry at the University of Calgary, and Patti is searching for the perfect nursing job between hikes in the Rockies ... **Fiona Curry** BA'85 and **Scott Curry** BASc'84 have moved to Prince George where Scott is working with Duncan Industrial Engineering Inc. Old pals can contact them at <scurry@diei.bc.ca>... **Alyson D'Oyley** BCom'85, LLB'95 received her LLM *cum laude* from Temple University in Philadelphia in May, 1997 ... **Annette Dueck** LLB'85 has been admitted to the partnership of Clark, Wilson, Barristors & Solicitors and is a member of the Business Law Department ... **Peter Fischl** BSc'86 has moved to Pt. Coquitlam where he is enjoying his new house but spends more time cleaning his pool than swimming in it ... **Catherine Hamlen** BSc'85 got her PhD in Soil Physics from the University of Guelph in 1997 ... **Gjoa (Andrichuk) Hart** BA'88 and husband **Vincent Hart** MA'91 had a baby boy named Julien Lucas on August 7, 1997 ... **Andrea (Serink) Hayden** Dip DH'81and **Bruce Hayden** BASc'80 were married on August 16, 1997 at Cecil Green Park ... **Graham Heal** BA'83 is director, business development for Seattle-based Download Warehouse, an online merchandiser of electronically distributed software ... Performing together as ANIMA Medieval Music Duo are **Janice Hill** BMus'85 and **Pat Unruh** MA'84. They were awarded a Canada Council grant this year for the development of two new concerts. Contact ANIMA at 731-8163, or e-mail <anima@istar.ca> ... **Shafin Hirji** BCom'87 and wife **Karima (Mulji) Hirji** BASc'90 (Bio Eng) announce the birth of their son Omar Adam, born Sept. 4, 1997 ... **Mary-Ann Irving-Stewart** BA'88 and husband **Duncan Stewart** BA'88 married in 1988 and have lived in Toronto ever since. Duncan is co-partner of Canada's first high-tech/bio-tech investment counsellor firm, Tera Capital ... **Gail Lin Joe** BEd'83, MEd'85 was a visiting scholar at USC this past September. She enjoyed studying the Administration of Higher Education with professor Bill Tierney ... **Ken Johnson** BASc'81, MASc'86 and wife Krista had a daughter on April 28, 1997, Taryn Elizabeth Aria, sister for Adrian. Ken went to Alert and Eureka in the Arctic to help on environmental engineering projects. He is writing a book on northern engineering ... **Sandra (Nakagawa) Keenan** BA'89 and husband Steve announce the birth of their gorgeous baby girl, Lisa Emiko, born July, 1997 ... **Peter Kim** DMD'84 and wife **Geraldine Ty** DMD'84 announce the arrival of Vanessa Sarah, born Feb. 20, 1997, a sister for Jonathan and Natasha ... **D. Paige (MacDonald) Larson** BPE'84, received his BSc from the U of T in 1987 and opened the North Shore Medicine Clinic at Capilano College in September, 1996 ... **Shun Fung Leung** MBA'84 is working with Standard Chartered Bank in Hong Kong as senior relationship manager in Corporate Banking. She is married with two children ... **Rhona (McCallum) Lichtenwald** LLB'89 and husband Ron celebrated the birth of their second daughter, Natalie, on February 15, 1997. Rhona has had her own family law practice since 1990 ... **Patrick A. Lim** BCom'87 is director of finance for The Second Cup, Ltd. in the corporate office in Toronto ... **Gordon Lovegrove** BASc'82, MEng'88 is director of transportation and planning in Land and Building Services at UBC Plant Ops ... **K. Scot MacDonald** BA'88 received his PhD in international relations at USC in May, 1997, and became adjunct professor at USC in the fall ... **Murray Miller** BASc'86 went to Sao Paulo, Brazil as an exchange student while completing his MBA at McGill. He has worked in Brazil for four years and in June, 1997, he married Nadja Kelly in Brazil ... **Paul Molnar** BA'80 has four children and is a veterinarian and rancher in Merritt ... **K. Wilf Nicholls** PhD'81(Botany) has been appointed director of the Memorial University's Botanical Garden ... **Nels Nielsen** BSF'86 married Kathleen Swanson in 1996.


## Subscribe Now

**... and give your mouse a treat**

That's right! For just $25 you can be sure to get the Chronicle on your doorstep regularly *and* get a

**genuine UBC Alumni mousepad.**

$15 for the sub, $10 for the pad.

I have enclosed:

❑ $25 for the sub and the pad

❑ $15 for the sub, keep the pad

Name _____

UBC degree(s), year _____

Address _____

_____

_____ Code _____

ID# (from label) _____

Phone: (h) _____ (o) _____

fax _____ e-mail _____

❑Visa# _____

❑M/C# _____

Expiry: _____ ❑Cheque

Signature _____

Please make cheque payable to the UBC Alumni Association and return to:

6251 Cecil Green Park Rd.,

Vancouver, BC, V6T 1Z1

Their first daughter, Julianna, was born Sept. 24, 1997. They are living in Gold River, BC, where Nels is a forester for Pacific Forest Products and is a volunteer fire fighter .... **Sian Pitman** BA'86 and **Ian Robertson** BSc'86, BA'88, have returned to Vancouver. Sian is a policy analyst with Environment Canada, while Ian is an investment advisor with Odlum Brown ... **Daljeet Rama** BEd'88 took time off teaching to complete her MEd in Educational Admin from UVic ... **Ron Reinhold** BSc'83, BMLSc'89 is a tobacco enforcement officer for Southern Alberta and is setting up a private investigation firm ... **Michael Rutherford** BSc'84 is a new faculty member in the Environmental Science Program at Sir Winfred Grenfell College, a campus of Memorial ... **Paul Samson** BA'89 got his PhD in international relations from the Graduate Institute of International Studies, University of Geneva in 1995, and is now working as a global environmental assessment fellow at Harvard's Belfer Center for Science and International Affairs ... **Don Sihota** BCom'84, LLB'85 has been admitted to the partnership of Clark, Wilson, Barristors & Solicitors and is a member of the Business Law Department ... **Laura (Morrison) Stegeman** BMLSc'88 and husband **John** BSc'88 announce the birth of their second son, Sean Logan, on Sept. 26, 1997 ... **Ian D. Sutcliffe** BCom'80 is president of Mediconsult.com, the leading web site for patients, based in Boston. He is living in Toronto with wife Kathleen and three children ... **Janice Switlo** BCom'81 is enjoying her second term to the Advisory Council on Multiculturalism. Since the fall release of her book, *Gustafson Lake: Under Siege*, her eight-year-old son is busy writing his own book ... **Kerstin Tapping** BA'85, LLB'88 has been admitted to the partnership of Clark, Wilson, Barristors & Solicitors and is a member of the Business Law Department ... **Ross D. Tunnicliffe** BSc'84, LLB'84 has joined Clark, Wilson as a partner in the firm's Business Law Dept., specializing in tax law ... **Bruce Verchere** BSc'83, MSc'87, PhD'91 and wife **Cindy (Robinson) Verchere** MD'88 announce the birth of their first child, Wyatt David, born Aug. 4,1997. Bruce is assistant professor in Pathology at UBC and Cindy is a pediatric plastic surgeon at BC Children's Hospital ... **Wayne Winter** MA'85 has relocated to Rankin Inlet on the shores of Hudson Bay to work as a community planner with the Ministry of Municipal and Community Affairs, Government of Northwest Territories, during the transition to Nunavut Government ... **Tony G. Wong** BASc'84 (Mech Eng) completed the Asian GM-Executive Leadership Training program with the Thunderbird Graduate School in Dec., 1997. His wife Janet Beasley will finish her final year of Law at the U of Western Ontario this spring ... **Walter Wong** BASc'80 has been working in the disk drive business since graduation and has just received his eighth patent. His wife, **Joanne Loh** BASc'82, is on the faculty of the University of Colorado at Boulder and will again be driving for the PPG Pace Car Team this year on the CART indy car circuit ... **Lyla M. Yip** BSc'82, MSc'86 just returned from a practicum in China and is now a doctor of traditional Chinese medicine. She is setting up a practice in Burnaby specializing in acupuncture, herbal remedies and Tui Na Therapy.

# 90s

**Yara Ainsworth** BCom'95 moved to Switzerland in 1996 and is marketing for a Swiss IT consulting subsidiary of the United Bank of Switzerland called SYSTOR ... **Kevin D.B. Budd** MBA'93 is director of manufacturing, North America, for Methanex, after two years as director of investor relations and corporate communications ... **Eugene Chen** LLB'93 is practicing corporate, commercial and securities law with McLeod & Co. in Calgary ... **Lee Li-Jen Chen** BSc'90, BA'91 received his PhD in Computer Science from the University of Calgary last November. He lives in Richmond ... **Eric Cheung** MBA'91 is plant manager at a laundry plant with Procter and Gamble in China, and returns to Vancouver three times a year for a vacation ... **Freda Cheung** BCom'93 married in August, 1996 to Jim and moved to Calgary. She joined Metronet Communications as a financial accountant for their BC division. She received her CA designation in November, 1996 ... **Eileen R. S.H. Chian** BSc'91 and **David Y.K. Chao** DMD'87 were married in 1993 and announce the arrival of their first, Amanda Wen-Ya Chao, born Aug. 7, 1996 ... **Jonathan Gamble Chow** BSc'94 is a technical services rep at Fuchs Lubricants and wife **Xenia (Lam) Chow** BA'93 is a financial advisor at Canada Trust. Both remain in contact with the university through the UBC Dance Club ... **Heather Cole** BSc'91 has moved to Bangor, Maine to take a job in cytogenetics at Eastern Maine Medical Center ... **Lisa Freeman** BA'97 is a cataloguer for the Survivors of the Shoah Visual History Foundation in LA, founded by Steven Spielberg. They videotape eyewitness accounts of the Holocaust and develop a multimedia archive of survivor testimonies ... After completing her final year at Lund University in Sweden, **Denise Ann Fulton** BA'94 moved to Kyoto, Japan to teach for two years. She is now back in Sweden teaching in Stockholm ... **Linda Gillespie** BA'91 and **Mark Gillespie** BA'91 had a second child, Scott Stirling, on April 2, 1997. Mark works with KPMG and is working on his CA designation ... **Joel Guralnick** LLB'95 has joined the firm of Clark, Wilson, Barristors & Solicitors as an associate in the Business Law Department ... **Sian Patricia Inglis** BPE'90, BEd'92 graduated from San Diego State University with an MA in education. She is currently working for the NVSB ... **Shahzad Islam** BASc'93 (Mech Eng) is project engineer with Western Pulp in Squamish, BC ... **Eric Klassen** BASc'90 and wife **Elsa (Neumann) Klassen** BA'91 moved to California in May where Eric works for Compu-Tech Lumber. They are expecting their first child on January 1, 1998 ... **Olivia S.M. Lee** LLB'90, BCom'90 moved to Hong Kong in 1992 where she joined Goodman, Phillips & Vineberg's Hong Kong office last November as a partner, practicing Canadian and Hong Kong law ... **Victoria Ang Lim** BSN'94 married Peter Lim last July and currently works for Winston Manor, a psychogeriatric facility located in Kitsilano ... **Davie A. MacLean** BHK'96 and wife **Anne E. (Jeffrey) MacLean** BEd'95 have been married for 12 years and have two boys. They recently moved to Kelowna where Davie directs his own marketing/promotions company ... **John McArthur** BA'96 was awarded the 1998 Rhodes Scholarship for BC, which will allow him to study law in Oxford, England for two years with an option for a third ... **Lynda (Krystine) Mikelova** BSc'97 is in her first year of medical school at Queen's University and is having a grand time partying in Kingston ... **Lori Monk** BA'90, LLB'93 and husband **Kevin Butler** LLB'93 have both given up their Vancouver law practices to move to Bermuda. Kevin is practicing corporate law there and Lori is still working on a project for a legal publisher in Vancouver. Friends can e-mail them at: <butlermonk@northrock.bm> ... **Natasha Murray** BA'94 is a career counsellor and newsletter editor at Career Decisions, a career counselling & consulting firm in San Francisco. She would love to hear from fellow grads, especially if they're in the Bay area ... **Richard S. Niedermayer** LLB'94 was married on July 26, 1997 to Jill Hargrove at Prospect Bay, N.S. Richard and Jill live in Halifax where he is an associate at Cox Downie and she is completing her MBA at Dalhousie ... **Shalan Parks** BA'95 and **Ryan Jaye** BA'95 were married Sept. 6, 1997 in Vancouver. They live in Victoria where Shalan is working and Ryan is doing his MBA at UVic ... **Carol Popkin** BA'96 is in the first term of a three-term publishing program at Langara College. She is leading towards a career in magazine publishing, hopefully as an art director ... **Anne Powell** MLS'93 is still in Zimbabwe lecturing to library technicians at Havare Polytechnic. She would love to hear from other Zimbabwean alumni or visitors: her work # is 752311 ... **Cameron G. Rittich** BSF'94 is a forest engineer at the Washington State Dept. of Natural Resources, Central Region ... **Torben Rolfsen** BA'93 produces the TV series Electric Playground, which airs Sundays on KVOS 12 at 4:30. The web site for the show is: www.elecplay.com ... **Andrea Russell** BA'96 has received a degree in international relations (MPhil) from Cambridge University in England ... **Linda Shin** BSN'96 has been living in Texas since Feb. 1997, working as a RN on a medical-surgical floor ... **Amy Siegenthaler** BSc'95 has recently graduated from the U of T with her MA in psychology. She has now begun her doctorate with the aid of a Connaught Fellowship ... **James Smythe** MA'95 is currently entering his third year of PhD studies in Health Economics, based out of the University of York in the U.K. ... **Julius Stieger** BASc'95 moved to Nevada to work as a metallurgist for Cortez Gold Mines ... **Mark Sze-To** BASc'96 is working as a metallurgist at BHP Copper in Arizona, as well as tutoring high school and college students ... **Hannes Valtonen** MBA'96 is a reporter for Bloomberg Business News in Tokyo ... **Julie (Crawford) Welsford** BA'93 and **David Welsford** BSc'89 had a baby boy, Aidan Alexander Duthie, on Sept. 7, 1997. Julie works for the North Shore News and Dave is a process engineer with Scott Paper ... **Carmen Wong** BASc'96 (Elec Eng) moved to Hong Kong after she graduated last summer. ●

## Donovan Miller

**1917–1997**

Donovan was born in Winnipeg and moved to Vancouver in 1936. He served with the Seaforth Highlanders during WWII and saw action on the Atlantic and in Europe. He returned to Vancouver and UBC after the war, and received a degree in commerce in 1947. He joined the Canadian Fishing Company Ltd. and stayed with it for his entire working life. He retired as president and chairman of the board in 1984. He was dedicated volunteer throughout his life, especially in the fisheries area. He worked with Canadian and Japanese organizations and with the Canada-Japan Society to preserve and promote the fishing industry. He was also active in the scouting movement, serving as president of the National Council from 1978 to 1980.

Mr. Miller was dedicated to UBC. He served as president of the Alumni Association in 1960, and in 1962 he was elected to Senate. He sat on the university's Board of Governors and was elected Chancellor in 1975. He was awarded many honours during his life, including the Order of Canada.

## Nathan T. Nemetz

**1913–1997**

Born in Winnipeg in 1913, Nathan was schooled in Vancouver and at UBC earned a BA in history. He was called to the Bar in 1937. Throughout his career he was a passionate champion of human rights and was a founder of the Canadian Civil Liberties Union in Vancouver. He became involved in labour law before the start of WWII, and represented workers and unions for many years. He was appointed chief justice of the Supreme Court in 1973, then chief justice of the BC Court of Appeal in 1978. He was called "the leading judicial administrator in Canada."

Justice Nemetz was a longtime supporter of UBC. He served as president of the Alumni Association in 1956, on the university's senate from '57 to '63 and on the Board of Governors from '57 to '68. He was chair from '65 to '68. He also served as Chancellor from '72 to '75, and was given an honorary degree in '75.

He was an early supporter of the World of Opportunity Campaign, serving on the leadership committee. The Nathan T. Nemetz Chair in Legal History was established to recognize his contribution to Canadian society.

## Patrick McTaggart-Cowan

**1912-1997**

Patrick Duncan McTaggart-Cowan *BA'33, DSc'61 (Hon)*, died on Oct. 11, at age 85 in Bracebridge, Ont., where he lived in retirement since 1976.

Best known in BC as the founding president of SFU (1963-68), he had a distinguished scientific career as head of the Canadian Metereological Service in Newfoundland.

He was executive director of the Science Council of Canada for seven years, was a Fellow of many international metereological and geographical societies, and won awards and honorary degrees from seven Canadian institutions. He was the only Rhodes Scholar to have been a member of Corpus Christi College in Oxford University.

He is survived by his wife Margaret, a son and a daughter.

## Rona (Drinnan) Larsen

### 1928-1997

Rona Helen Larsen *BA'50* passed away in Parksville, BC, on Sept. 8, 1997. She was one of several post-war geography grads who came back to university and were the first grads to become professional geographers in the federal Geographical Branch in Ottawa. She then went to work at the Institute for Northern Studies and the Provincial Ombudsman office in Saskatoon during the '70s.

## Frances Benedict

### 1902-1997

Frances Benedict *BA'23* (1902-1997) and a Great Trekker, died peacefully on Sept. 7, 1997 at age 95. She graduated from the Faculty of Education in 1924 and from the Vancouver Normal School.

Francis taught high school in Abbotsford, Kamloops, Penticton, and Matsqui. In 1963 she fulfilled her lifelong dream to graduate from St. Paul's Hospital School of Nursing with honours, where she then served for 10 years as educational director. In 1949, she became a teacher and later educational director at Royal Columbian Hospital School of Nursing in New Westminster, where she remained until her retirement in 1969.

During her career, Frances was actively involved in professional nursing activities. Warmly remembered by many classmates and former students, she happily enjoyed their visits during her retirement.

## Mary R. Bishop

### 1913-1997

Mary Bishop *MA'71*, joined the Faculty of Medicine's Dept. of Health Care and Epidemiology as a part-time research associate in 1978 to research and write the history of the birth control movement in Canada and government responses. Mary was a former convocation member of the UBC Senate and served on UBC Alumni Association's heritage committee and UBC's Norman MacKenzie Scholarship Award jury. She was a member of the UBC Alumni Association and associate member of the Health Care and Epidemiology Association, UBC.

# In Memoriam

**Gilbert Auchinleck** *BASc'44* of Vancouver, Aug. 23, 1997... **Haridal Bains** *MSc'64* of Hull, Que., Aug. 26, 1997... **Margret Stefania Bardal** *DipSw'44, MSW'56* of Winnipeg, Man., June 24, 1997... **Kenton David Bird** *BEd'75* of Armstrong, BC, Aug. 15, 1997... **James Keith Brimacombe** *BSc'66* of Windsor, NS, Dec. 16, 1997... **Ronald J. Buchanan** *BSc'61(Hon), PhD'66* of Victoria, Dec. 1, 1993... **Richard Patrick Burnett** *BCom'65* of Ottawa, May 23, 1997... **Mabel L. Colbeck,** *MA'47, Prof. Emeriti (Eng)* of Vancouver, Nov. 6, 1997... **Dr. Lawrence W. Downey**, *BA'47* of Vancouver, Oct. 23, 1997 ... **Rob Driscoll** *MD'90* of Nelson, BC, Jan. 2, 1997 ... **Agnes (Nancy) Ferguson** *BA'31, BEd'32* of Victoria, Sept. 15, 1997... **William Arthur Forgay** *BLS'65* of Regina, Sask., Sept. 11, 1997... **Alistair G. Fraser** *LLB'50* of Ottawa, Ont., Sept. 1, 1997... **Mary Elizabeth (Ball) Freney** *BA'31*of Courtenay, BC, Aug. 6, 1997... **John Barry Hamley** *BASc'53* of Calgary, Alta., April 23, 1997... **Dr. James Hingston**, *Prof. Emeriti, 1986,* of Surrey, BC, Dec. 19, 1997... **Eric Wilfrid Johnson,** *BASc'34* of Kamloops, BC, July 11, 1997... **J. Ed. Johnson** *BASc'50, MBA* of North Vancouver, Aug. 24, 1997... **Charlotte Islay Johnston** *BA'23, MA'25* of Ottawa, Jan. 15, 1998 ... **Mary E. Keys** *BEd'60* of Nakasup, BC, Nov. 14, 1997... **Henry Lenko** *BSF'52* of Valemount, BC, Aug. 8, 1997... **Terry Lodge** *BCom'56* of Vernon, BC, Aug. 21, 1997... **Jean Maud (Balfour) Lyle** *BCom'34* of Vancouver, Sept. 24, 1997... **R.J. (Jack) McKercher** *BCom'45, BSF'46* of Nanaimo, BC, Aug. 27, 1997... **Allen Stewart McMorran** *BA'41*of Vancouver ... **Patrick Leo Murray** *BA'56, BEd'58* of Langley, BC, April 27, 1997... **Florence M. Nye** *BA'42* of North Vancouver, Sept., 1997 ... **Vincent E. Osborne** *BSc'58, MSA'60* of Kelowna, BC, Nov. 6, 1997... **Midori Ota** *MEd'88* of New York, April 24, 1997... **Jack Melvin Pearson** *BA'32* of St. Catherines, Ont., July 19, 1996 ... **Katherine Clara Peters** *BSc'59* of Abbotsford, BC, Dec. 27, 1997... **Lawrence Pilkington** *LLB'53* of New Westminster, BC, Dec. 17, 1997... **Allan William Ratcliffe** *BA'49, BEd'52* of Lethbridge, Alta., Aug. 26, 1997... **Grace Eleanor Retallack** *BA'41*of Victoria, BC, Dec. 24, 1997... **G. Evan AP Roberts** *BASc'39* of Salt Lake City, UT, Nov. 13, 1997... **Gerald B. Straley** *PhD'80* of Vancouver, Dec. 11, 1997... **Roger MacPhail Tait** *BA'61*of Kelowna, BC, Aug. 1, 1997... **James T. Teevan** *BASc'46* of Vancouver, Sept. 6, 1997... **Jerry van Tets** *BA'56, MA'59, PhD'63* of Australia, Jan. 14, 1995... **David G. Verchere** *BSF'59* of West Vancouver, July 2, 1997... **Thomas R. Weir** *BA'41* of Nanaimo, BC, Sept., 1997 ... **Bruce Woodsworth** *BA'36* of Sechelt, BC, Aug. 18, 1997... **Michael Yanko** *BSc'90* of Burnaby, BC, Oct., 1997.

## Stay in Touch

Keep us up-to-date on where you are, what you're doing and who you're doing it with. We want to know, and so do your old classmates. **Please use another sheet of paper and send it in today!**

Name _____

UBC degree(s), year _____

Address _____

_____

_____ Code _____

Phone: (h) _____ (o) _____

fax _____ e-mail _____

New address? ☐ yes ☐ no

Spouse's name _____

UBC degree(s), year _____

Send your news one of these ways:

Snail mail: 6251 Cecil Green Park Rd.
Vancouver, BC
V6T 1Z1

**fax:** (604) 822-8928

**toll free fax:** 800-220-9022

**e-mail:** alumni@alumni.ubc.ca

**web:** www.alumni.ubc.ca

# chronicle **profiles**

Students

## John Davies, FACULTY OF FORESTRY

Shari Ackerman photo

The UBC forestry program has a great reputation. At least that's what Forestry Undergraduate Society president John Davies learned at a management forestry retreat last spring. "Everyone was very strong in their praise for the forestry program and for Dean Clark Binkley. If people in the industry are so supportive, then it must be pretty good."

John is in his 3rd year and feels that it's been a valuable use of his time. Now that he's nearing the end of the program, he reflects on some of the teachers who have contributed to his love of forestry.

"John Worrall, for sure," he says. "He's very concerned with undergrads' experiences at university, and doesn't consider teaching a burden. He really connects with students."

Even the dean and associate dean have a genuine interest in how students are coping.

"Tony Kozak [assoc. dean] is very supportive, listens to undergrads' complaints and tries to help out. Dean Binkley is also receptive to ideas and concerns, and is quick to address them."

John has had a lot of work experience as well. For the past ten summers he's been timber cruising, treeplanting and working as a commercial fishing controller. He also worked as a firefighter for Rap Attack Forest Service repel crew for five years before he entered the program. "I put out 36 lightning fires in BC during that time."

He also has a heavy life schedule. Besides taking four courses, he rows for UBC 20 hours a week, starting in the yawny A.M. He's also taking occupational first aid through Worker's Compensation Board, and of course we can't forget his work as president of the Forest Undergraduate Society.

So what's on the horizon for this busy man? Why, a little bit of forestry, of course.

"I'd like to get involved in international forestry training for developing countries that have no protection programs in place, like Malaysia and Ethiopia. Or maybe I'll just fight fires in Australia for a year. " ●

## Bethany Jackson, FACULTY OF APPLIED SCIENCE

Step into a tiny but neat room decorated in flowers and pastels, stuffed animals and pillows. Straight ahead is a window with a gorgeous view of the ocean. In front of that window sits a desk: a tempting invitation to procrastinate.

But not for fifth-year engineering physics student Bethany Jackson. She is the recipient of this year's UBC Alumni Association Scholarship, which helps aid near-graduating students with $2,500 towards their tuition.

For someone who thinks her 85 per cent average is "pretty good," it is quite a deserving award. Getting good grades is "natural for me," she says. That's a good thing considering her eight-subject course load, including two honours physics courses.

While others began looking for more private places after first year, Bethany has stayed in residence. "I've met a lot of people and made some good friends, so it's worth it." Obviously it doesn't hurt her studying habits. She won the Rogers Communications Inc. Scholarship in second-year, and this year won the ACL Scholarship (Atomic Energy Canadian Ltd-Corporate Canada Award). Soon after that, she decided to major in engineering physics, with a specialization in mechanics.

"I've always liked engineering, both civil and the physical. But then I took a summer job with an electrical engineering firm after my first year." She considered electrical engineering for a while, but then committed to engineering physics at the beginning of her third year. "It's a broader field and more interesting." And so there she stays.

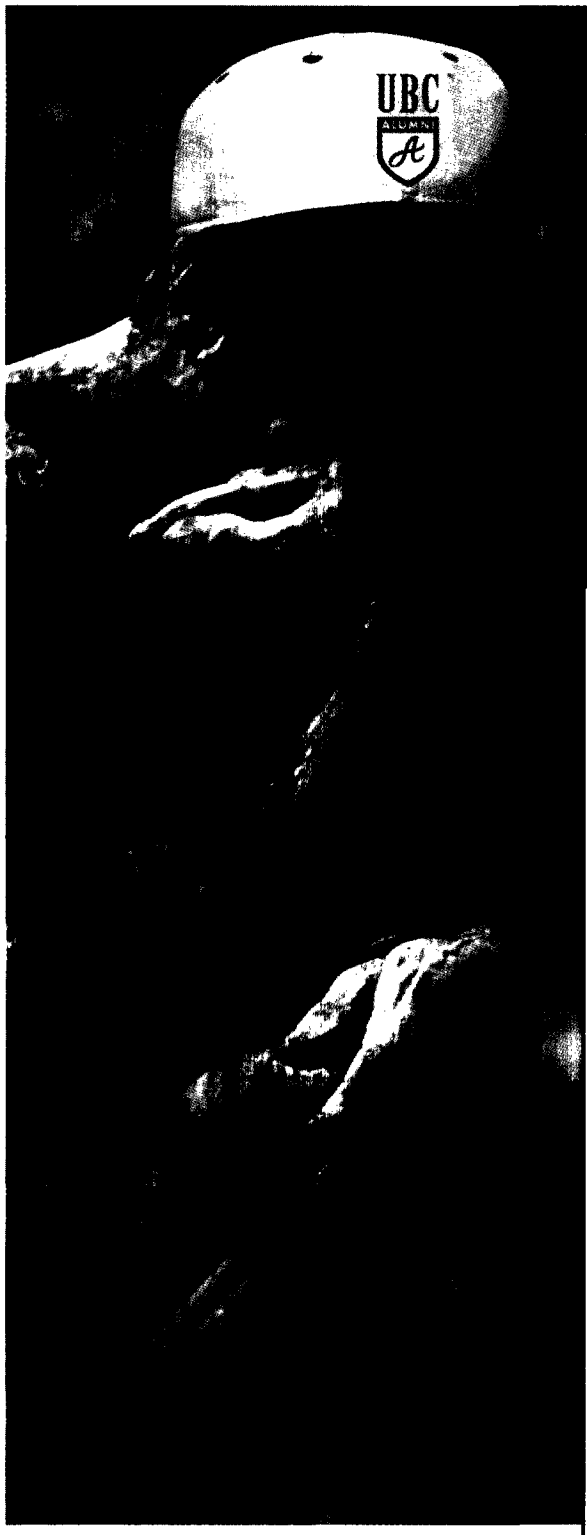
Future prospects look very bright for someone with so many options. She has applied to medical school at UBC, and is considering medical physics or biomedical engineering.

"I'd like to be physician and specialize in cancer treatment, which ties back to the physics side of things," she says. She would like to explore radiation therapy, which she feels would give her first-hand experience with people.

Bethany still finds time to have fun. Hanging out and talking with friends, reading, "historical fiction mostly," roller blading and ice skating, and even a little piano playing when she goes home to Saskatoon. "I don't have enough discipline to practice at school." An odd statement for such a dedicated person. ●

*– Profiles by Shari Ackerman*

PRICELESS PROTECTION MADE AFFORDABLE.




# Own a masterpiece of protection for just pennies a day.

*If you're like most Canadians, you haven't given enough thought to really protecting what matters to you. So your University of British Columbia Alumni Association wants you to know about some invaluable protection you can easily afford...*

Think about it – insurance is more than just money. It's groceries, clothes, rent or mortgage and everything else your loved ones may depend on you for. It's also the satisfaction of knowing you won't leave your debts behind.

That's why your University of British Columbia Alumni Association commissioned this Alumni Insurance Plan. It offers you solid value at rates economical enough that you can afford all the coverage you need for your peace of mind.

The Plan is backed by Manulife Financial, one of Canada's most respected life insurers. The alumni association negotiates the low rates, and ensures that the Plan provides you with a wide range of important features you won't easily find elsewhere.

Don't miss out on this opportunity to take full advantage of your UBC alumni status. Imagine the satisfaction that will come with having superior protection at a down-to-earth price. Find out about our valuable and affordable Term Life, Major Accident Protection and Income Protection coverage designed for UBC alumni.

Manulife Financial

*Call Manulife Financial toll-free for free details and an easy application:*

**1 888 913-6333**

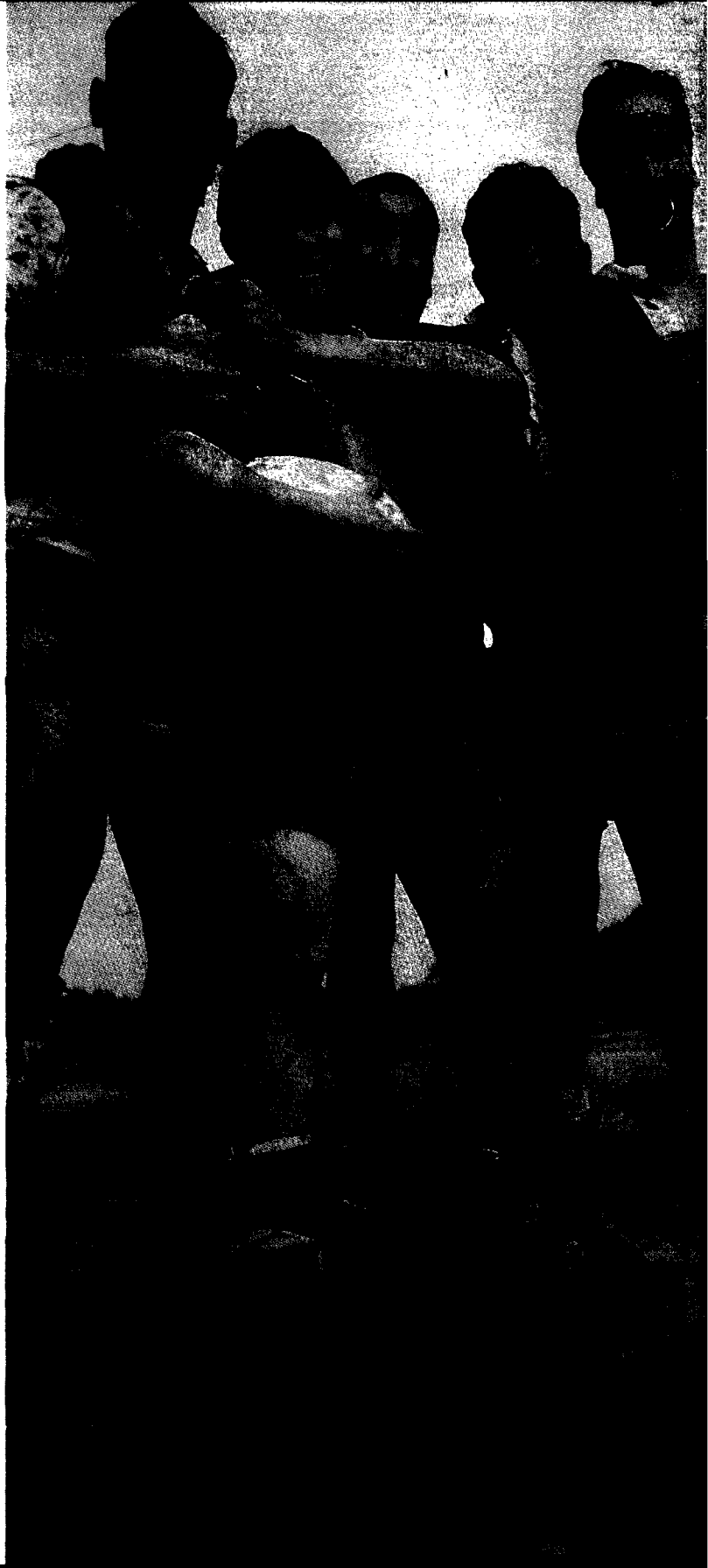
*or contact Bruce McRae, your University of British Columbia insurance consultant at 1 604 734-2732*

UBC ALUMNI

The University of British Columbia Alumni Association

The Manufacturers Life Insurance Company

# Now It's Even Easier To Maintain Those Old School Ties.



## New Personalized Long Distance

Our basic rule of thumb: every grad is different. That's why BC TEL has brought a totally new personalized approach to long distance. With plans that maximize your savings based on your individual calling patterns.

Call 1-800-217-7757 today and have a BC TEL representative help you choose a personalized long distance plan that's one of a kind. Just like you.

And when you sign up as a new BC TEL Long Distance customer, you'll maximize your savings, and we'll do our part for higher education by making a donation to U.B.C.

**From just 10¢ a minute.**

### *Other savings from BC TEL*

***B connected*** with Sympatico™ Internet service. Just for BC TEL Long Distance customers: with 100 free hours in your first month, and your 6th and 12th months free, it's like paying $18.71 a month for our regular $24.95 a month service.*

***B free*** with the Motorola WORDline pager. Get the alphanumeric paging service and free news headlines around the clock for just $14.95 a month from your nearest BC TEL Mobility dealer.+

***B in control*** with BC TEL *SmartTouch*™ services like the Smart Family Pack.** Two separate numbers, two distinct rings and four private voice mailboxes all on one line and just $11.95 a month or less.

*Call 1 800 217 7757*

***B*** **BCTEL**

BC TEL must be your primary long distance carrier at time of billing to receive maximum long distance savings. A transaction charge may apply to all Calling Card calls. A minimum charge of 20¢ per call may apply. BC TEL Personalized Long Distance Plans are not available in conjunction with any BC TEL Rewards Program. *Ask your representative for full plan details and availability. Sympatico™ is a trademark of MediaLinx Interactive Limited. BC TEL is a licensed user. +Pagers sold separately, available at *PhoneMart*™ stores or BC TEL Mobility dealers. **Available to single line residential customers in most areas. Some restrictions apply.