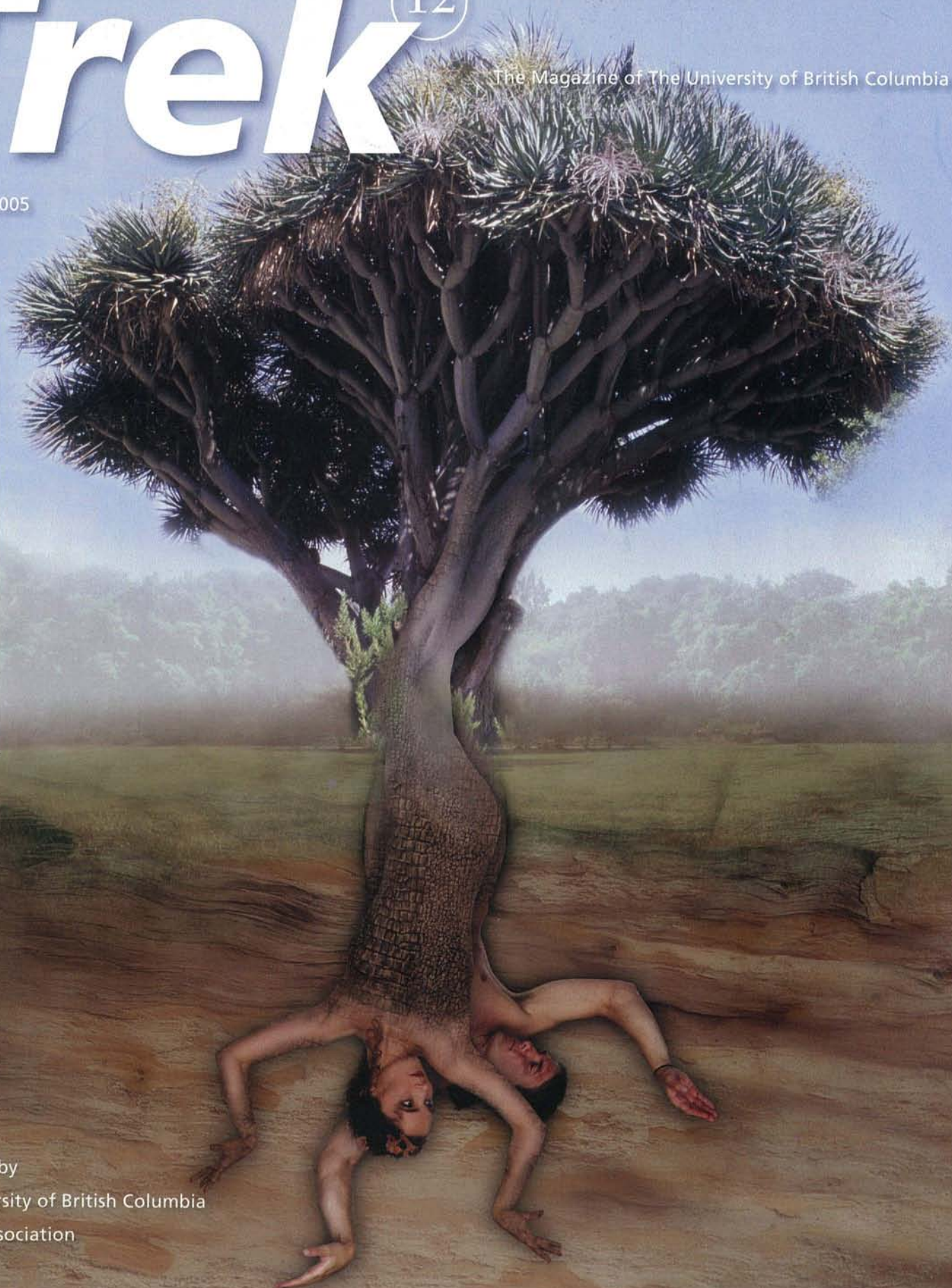


THE WORLD AS A HOLY PLACE **STARING DOWN THE DREAM** ALUMNI NEWS + EVENTS

Trek^{I2}

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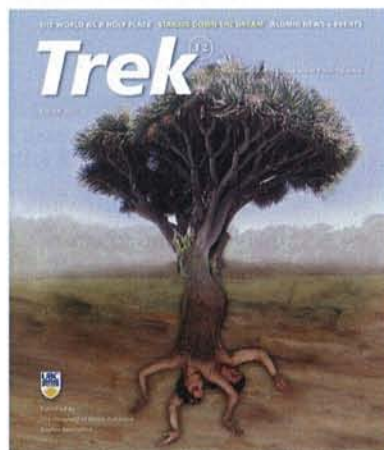
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SHORTLY after the last issue of *Trek Magazine* went out, I got a call from an irate reader. She called me long distance to tell me she was appalled to find the noun "practice" used as a verb ("I practiced law."), when the verb "practise" was the correct word to use.

Another editor might have done an eye roll and advised the lady to get a life: people are dying of starvation, for God's sake! Use your energy to do good!

But not me. I'm with her one hundred per cent. We chatted (on her nickel) for a while, sharing grammatical horror stories, professing despair at the decline of the language and renewing our determination to buck the slippage, one dangling participle at a time. We agreed with each other about some of the more egregious errors – mixing up "it's" and "its," using "I" instead of "me" ("She came to the movies with Fred and I.") and the current, very popular and extremely annoying misuse of "myself" ("Please contact Fred or myself if you have any questions."). I didn't give her "practise," though. It's one of those in-between usages that works either way. When I'd finished the call, I felt a great relief: the world wasn't going to hell in a handbasket after all.

I2 GRAMMAR, FAITH **AND** GOOD DENTAL RECORDS

Which brings me to another conversation I had recently. My new boss, a transplant from Stanford, came to me with some concern after looking through the last issue. She'd read the In Memoriam section and wondered to whom she could refer grieving alumni if they called about friends and classmates who had died. "Is there a Dean of Religious Life I can refer them to?"

I was flummoxed. At Stanford, it seems, there is such an individual, along with a number of chaplains, rabbis and other religious representatives, all quite active and at the centre of campus life. A quick look through the UBC campus directory pointed out to me that we, too, have religious representatives from multi-faiths, but I don't think they exist quite at the centre of campus life, though I'm sure they wish they did.

I'm what I like to call a recovering Catholic: someone who lost the faith but kept the guilt. I'm not a churchgoer, but I'm very interested in the concept of God, the nature of faith and how people come to believe. Still, in all the years I've been at UBC, first as a student and then as an employee, I can say that the religious life of the campus has not made itself apparent to me. Not that I've sought it out. But neither has it sought me.

This all coincided with a submission from an emeritus professor, Dan Overmyer, that makes the argument that we should abandon religions based on the idea of a place outside this universe (ie., heaven), and embrace the spirituality that exists in the physical world.

It must be a sign, thought I. The piece, "The World as a Holy Place," will make you think, and may even move you to consider a response. Please feel free to send us one.

Elsewhere in the magazine is an article on Jeff Francis, currently throwing high hard ones for the Colorado Rockies, and a look at the work of Dr. David Sweet as he and his team tries to identify the dead after the tsunami in the South Pacific.

We hope those, along with our regular features, make up a good read for a summer afternoon.

– CHRIS PETTY, *Editor*



TAKE NOTE

Martha Piper to Leave UBC

■ Martha Piper, UBC's 11th president, has announced that she will leave the university in June, 2006. Her term as president was due to end in November, 2007.

Piper, a well-known researcher in child development, came to UBC in 1997 after serving as Vice President, Research at the University of Alberta. During her term as president, she has continued to build UBC's reputation nationally and internationally, and has overseen the largest construction boom in the university's history. She developed an extensive and detailed vision for UBC soon after her arrival, naming it Trek 2000. It outlined five general areas that UBC needed to focus on to become one of the best universities in the world. The second iteration of that vision, named Trek 2010, maintains the five pillars but expands their scope. In her statement, Dr. Piper said June of next year is a good time to leave, because by then she will have completed what she set out to do when she assumed the presidency. She says she has no immediate plans after UBC.

Trek Magazine will publish an in-depth interview with Dr. Piper, as she reflects on her accomplishments at UBC, in a future issue.



Martha Piper (left). **Ross MacGillivray**, director of the Centre for Bloods Research hopes we can move away from blood donors by 2025.

New Blood

■ The Kreever Enquiry into Canada's tainted blood scandal of the '80s and '90s recognized the need for more blood specialists and more research to build and safeguard this country's supply of blood and blood products.

The system relies largely on donation, yet only 3.5 per cent of those citizens eligible to give blood do so. An ageing population and the availability of more treatments requiring

blood – donated or artificial – mean even more pressure on current levels of supply.

UBC has established a new, multidisciplinary research centre in response to the situation. Funded with a \$15 million grant from the Canada Foundation for Innovation, the Centre for Blood Research is located in the campus' new Life Sciences Centre and puts together researchers who were previously dotted around campus in various faculties and departments.



FUTURE HISTORIANS will look back on our period as one of transition. Thanks to a century of world wars, incredible technological breakthroughs, the proliferation of new diseases such as AIDS and SARS, and the ability to communicate instantly and anywhere, societies are changing in ways that we could not have foreseen even a few decades ago.

What impact will the rapid industrialization of Asia and the Indian

subcontinent have on the international balance of power? Can the nations of the world find a way somehow to join together to help Africa, a continent of vast resources, turn back the ravages of disease, strife and despair? Will the values of a civil society be strong enough to maintain peace in a world where shifting alliances and competing interests are the norm?

We stand on the cusp of great change. If we are to survive we must be ready for that change, and able to affect it. We need a new generation of men and women who understand the complexities of a borderless world, and who know that the old verities, once accepted without reservation, no longer hold.

Our university is in a unique position to produce just such a generation of graduates.

Our goal as an institution is to produce graduates who see themselves as global citizens and who recognize that they have a responsibility to work for the betterment of all, whether as organizers for a local charity, engineers in a foreign irrigation project, or health practitioners in remote desert villages. In every faculty and department, from Fine Arts and Social Work to Biochemistry and Computer Science, we are educating our students to view their subject areas with a broader perspective, to understand the interconnectedness of one small part of the world to all the other parts. We are teaching them to practice their skills in a socially conscious way, to build a better world.

This institutional attitude is best expressed in the vision statement from our new strategic plan, Trek 2010:

The University of British Columbia, aspiring to be one of the world's best universities, will prepare students to become exceptional global citizens, promote the values of a civil and sustainable society, and conduct outstanding research to serve the people of British Columbia, Canada, and the world.

In subscribing to these values, your alma mater is attempting to play its part in helping British Columbians – indeed, all Canadians – be prepared for the unpredictable challenges waiting for us around the next corner. Whatever the source or nature of those challenges – economic, social, or ecological – UBC will be ready to meet them, and so will our graduates.

Martha Piper, President, The University of British Columbia

TAKE NOTE

“No other research centre brings together biomedical, clinical and social scientists with ethicists, dentists and engineers,” says biochemist Ross MacGillivray, director of the centre. “The range of expertise allows us to do a comprehensive job – to look at everything from molecular science to social factors that influence blood donation. The best part is being able to interact with colleagues every day.” UBC researchers also collaborate in research and training with other Canadian universities and the Puget Sound Blood Centre. The researchers hope that their work will eventually allow us to move away from a reliance on blood donors altogether, a goal they think is attainable by 2025. They also want to improve quality and storage time and create more artificial products.

The centre is unique and MacGillivray believes it will continue to attract top research talent from around the world. It has already nabbed Mark Scott away from the Albany Medical College in New York. Scott studies immunocamouflage, a process that disguises antigens in blood cells, making it harder for them to be detected as foreign, and would allow the use of blood types other than the patient's own.

Besides the grant from the CFI, the centre's work is funded by the BC Knowledge Development Fund, Canadian Blood Services, Bayer Inc., the Canadian Institutes of Health Research, the Michael Smith Foundation for Health Research and UBC.

Goodbye, AgSci

■ The faculty of Agricultural Science has decided to change its name. As of Fall, 2005, it will be known as the faculty of Land and Food Systems.

It's probably true that the old name evoked pastoral scenes of cattle browsing lazily in a sunny pasture, and wizened farmers, clad in overalls and chewing on a piece of straw, out standing in their fields.

But the fact is, the work done at the faculty has become far more diverse than the simple title “Agricultural Science” can embrace. While still strong in traditional endeavours such as plant research and soil science, most programs and research projects have interdisciplinary collaborations with other faculties and departments from Economics and History to Obstetrics/Gynaecology, Biotechnology and Zoology. The focus of the faculty has also shifted, partly in response to Martha Piper's Trek 2010 vision paper, and partly as a response to the needs of students and the marketplace. Much of the research now undertaken by faculty members centres around food security and the sustainability of resources, both essential areas for the 21st century. The faculty produces graduates equipped to deal with issues of human health, sustainable food supply and responsible use of land and water. Faculty of Land and Food Systems, the faculty feels, better reflects this reality.

The new name came about after extensive consultations with faculty, alumni, students, high school students, and university and government personnel during the Spring of 2004.

UBC Graduates First Nurse Practitioners

■ BC's first group of nurse practitioners graduated this May with Master of Science in Nursing degrees. They will also be the first nurse practitioners to practice in the province.

The new designation allows nurse practitioners to provide primary care to patients, including diagnosing, prescribing drugs and referring to specialists. Nurse practitioners will work independently or in collaboration with other health professionals in the community. Nurse practitioners fill the gap between doctors and nurses in the provision of health care.

The program accepts 15 nurses into the two-year program, and all students hold bachelor or masters degrees in nursing. During the program, students are expected to complete 700 hours of practical experience during practicums at clinics, hospitals and private practices in BC.

Late to be accepted in Canada, nurse practitioners have been working in health care in the United States for 40 years.

World Health Matters

■ Dr. Michael Seear believes that a truly rounded university education should include an understanding of the importance and impact of international health issues. A professor of clinical medicine and a pediatric respirologist at BC Children's Hospital, he is the instructor for International Health and Development, one of five programs offered by UBC Continuing Studies as part of its new Certificate in International Development.

Not all Seear's students have a background in health, but then it's not only healthcare workers that have an influence on health.

"Every discipline and every profession in some way impacts on someone's health somewhere in the world," he says. "And for every activity we undertake, there is a medical price to pay, whether it is due to agricultural policies or goods manufactured in sweatshops." His course has been taken by people with diverse backgrounds including banking, education, NGO work, and engineering. The course has a holistic approach to health. In considering ways to achieve freedom from illness and disease, it also considers factors such as sustainable development, access to clean water, human rights, and security. The course provides practical insights into the different political and social realities in which students might find themselves working around the world, and how these may impact the effective use of aid resources.

"What Dr. Seear's course did more than anything was to teach me not to impose my own assumptions on other cultures," says former student Karen Lund. "It was an eye-opener for me to discover how much well-intentioned aid funding is wasted because those who hope to help don't communicate well with the people receiving aid."

Dr. Seear has recently been working in Sri Lanka, providing help to victims of the Tsunami. He and a group of other doctors funded by the Asian Medical Doctor's Association, have set up a children's ward in the very basic existing hospital in the east coastal village of Srila Kalmunai. He believes that the university needs to offer a degree in

A NEW PARTNERSHIP



FEW INSTITUTIONS in our society garner as much affection and affiliation from their constituents as universities do. It's not surprising: most of us begin university when we are young and impressionable, and the experience provides us with our initial opportunities to behave as adults. For the first time, we get to make our own decisions, determine our own fate. Our university becomes as a collaborator in our independence.

It's no wonder, then, that many of us have strong feelings about UBC. Sometimes those feelings are negative: the university wasn't "there" when we needed it to come to our rescue or help us make a decision. But most of us feel good about the place, nostalgic even. We recently polled a significant portion of our alumni (1,400 in a telephone survey), as asked them how they felt about UBC. Almost 95 per cent were satisfied with their undergraduate experience at UBC, and 82 per cent would recommend UBC to a prospective student. Amazingly, 72 per cent have visited the UBC campus in the last year, and 91 per cent feel we do a reasonable job of informing alumni about campus news.

The survey results, which are available on our website, www.alumni.ubc.ca, give a good indication of what we've done well and what we need to improve in the area of alumni relations.

But that's what we're going to do now: improve the way we communicate to you, and increase the ways you can get involved with UBC.

We have joined forces with the university to make this happen because our Alumni Association can't do it alone. UBC's graduates now number more than 200,000, so in order to reach you all and be able to offer you access to things that might interest you, we need more resources. And, the university is more than happy to help because administrators know that a university's alumni are its most valuable asset.

In the next few years, you will notice more communications from UBC in the form of Trek Magazine – we hope to deliver three issues annually to all our members – and magazines or newsletters from you faculty. You will also be invited to more events, such as reunions, lectures and networking opportunities, and you will hear and read the word "alumni" more often in the UBC context, and not just in relation to fundraising. Alumni are first and foremost ambassadors for the university, spreading the word about just how good UBC is.

My term as Chair of the Alumni Association begins with this issue of Trek Magazine. I look forward to meeting many of you during my term and to working with Marie Earl, the staff of the alumni affairs office, and the new Board of Directors, all of whom are ready to take on the task of getting more alumni involved with UBC.

Please contact us if you have ideas or want to get involved. It's still your university.

Marin Ertl, BSC'93
Chair, UBC Alumni Association

TAKE NOTE

international health. "We would be the first in the field," he says, "and it would meet the needs for competent, aware people who could include this with studies in their own discipline."

Sponging Down the Bones

■ Elaine of "Seinfeld" would be happy to know that sponges are back. This time, though, they're here to help out in surgery.

Two UBC scientists have come up with a new method of drug delivery that will likely improve outcomes in bone surgery. They have developed tiny sponges that hold the proteins, antibiotics and stem cells needed to promote bone growth and combat infection. Bone surgeons will place the saturated sponges in spaces around damaged or defective bone and at surgical sites to encourage healing and the fusion of prosthetics with bone and tissue.

Had it not been for a shrewd colleague – familiar with both scientists' research and sensing a natural collaboration – the two's paths might not have crossed so soon. One of them is Helen Burt from Pharmaceutical Sciences, who investigates drug delivery systems. She had been trying, without much luck, to create a porous material to deliver the growth-promoting drugs to the site of bone injury or surgery. Sponge has many favourable characteristics including biodegradability, compatibility with cells and tissue, and enough space to allow the growth of new blood vessels.

The other scientist, Tim Durance, who directs the Food, Nutrition and Health program in the faculty of Land and Food Systems, was looking for other applications for a food dehydration technique he had developed. His technique produces porous materials that he knew might have applications in the medical materials field. Using microwaves in a vacuum, liquid evaporates from moist biological materials, but their organic structures remain unaffected.

"The ability to make sponge from almost any material has expanded our research ten-



Helen Burt and Tim Durance look at new ways to deliver drugs to injured bones.

fold," says Burt. "We now have a staggering array of possibilities to test different sponge materials and see how they work with different drug-carrying microspheres."

Durance is now creating equipment small enough to produce material in the much tinier quantities required for this application. The researchers will also look at other ways they can exploit the characteristics of sponge. The research is part of a five-year project to create a new fixative material. The project is funded by Canadian Institutes for Health Research to the tune of \$1.5 million.

Chips Could be Good for Your Health

■ Microchips, that is. A UBC researcher is starting work on a project to develop tiny microchips that can be placed in a patient's body for the purpose of monitoring the levels of chemicals such as the levels of glucose in diabetes patients, or as an internal drug-dispensing mechanism.

Less than 2mm in size, the chips would be independently powered, surrounded in

a material that prevents rejection, and some would be so small and unobtrusive they wouldn't have to be removed after treatment.

Mu Chiao is a specialist in the area of MicroElectro-Mechanical Systems. The applications for the chips are more than just bio-medical – the same technology is behind the sensory devices used in the deployment of airbags – but Chiao is excited at the prospect of being able to use them to improve patients' quality of life. Diabetes patients, for example, would no longer have to draw their own blood for glucose testing. His research team includes specialists in pharmaceuticals, nanotechnology and physics. "People in different fields often speak different technical languages, but everyone working on this project shares a passion for creating something that will greatly improve people's lives, and that makes the hard work worthwhile."

"There are some big challenges that have kept microscale medical devices from being a viable product on the market," says Chiao.

"We need to come up with a long-lasting and reliable power source and safe packaging that allows the right kind of chemical to go through, to enable screening."

He has already made progress in the assembly of the devices by developing a post-packaging frequency tuning method that tunes them to the right frequency after rather than during their assembly, a process that minimizes damage and maximizes precision.

Sustainable Building

■ Take a walk around Point Grey campus and you'll be struck by the number of construction cranes and new buildings at various stages of completion. Many of them, such as the recently opened Life Sciences Centre, feature state-of-the-art building design with an emphasis on sustainability. After all, if universities are pioneers of new knowledge and ways of doing things, then why not include the actual physical fabric of the university in that role?

On the Great Northern Way Campus (a tract of land donated to UBC, SFU, BCIT and the Emily Carr Institute of Art and Design by Finning International in 2001), UBC is taking that concept one step further. The first UBC construction on the Great Northern Way campus will be built using the latest in sustainability technology and will be an ongoing experiment on how those technologies work. The Centre for Interactive Research on Sustainability will begin construction in the spring of next year.

Sustainable design can produce buildings that are healthier to work in and less expensive to construct and run. The centre will cost \$23 million, which is about what it would cost using conventional technology, but it will use less energy during its day-to-day operation. In fact, the aim is for the centre to produce more energy than it uses. And although some sustainable systems are expensive to install (a natural ventilation system) they often preclude the need for conventional systems (central air-conditioning).

The centre is not just a project for

academics. The university has cross-sector partners that include the City of Vancouver, the David Suzuki Foundation, BC Hydro and Vancity Credit Union, and will provide new learning opportunities. The Learning City Project, which involves researchers from all four academic institutions on the campus, is developing programs for all the institutions' students.

The first of these, Action and Awareness: Focus on Urban Sustainability, will begin this summer. It will track the development of the 26KM Central Valley Greenway running between Science World in central Vancouver and New Westminster Quay. Students will

be able to propose responses to real issues arising from the Greenway construction, for example – stakeholder opposition. "It's the first time anyone has taken the idea of community service learning to the level where undergraduates could impact policy development," says Assistant Professor Rob Van Wynsberghe of the Institute of Health Promotion Research, who co-designed the course with UBC alumna Janet Moore. "The trans-disciplinary nature of the course – incorporating design, architecture, geography and sustainability – allows us to provide creative solutions to a truly complex urban development project."

How Can **You** Connect With a UBC Student?



Simply by picking up the phone. Every day at the UBC Call Centre, students like Michelle Anami reach out to donors. "One of the best things anyone can receive is a chance to become educated. As part of the fundraising phone team, I see the difference donations make to students." By connecting with student callers, this year more than 9,500 alumni and friends of UBC donated hundreds of thousands of dollars for scholarships and bursaries, as well as other projects around campus. So the next time your phone rings, you just might be making a world of difference for a student like Michelle.

To find out more about supporting students, please contact the UBC Development Office.
Tel: 604-822-8900 Email: info.request@supporting.ubc.ca

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TAKE NOTE

Delivering Education

■ Joining Ontario and Quebec, BC is Canada's third province to offer a degree in Midwifery, and UBC's degree program delivered its firstborn batch of BMW grads this spring.

"It's very exciting to birth our first graduating class," said Elaine Carty, who directs the program out of the department of Family Practice in the faculty of Medicine. She completed her own midwifery training in the States. "These are fabulous, motivated students and are UBC's first wave of a valued part of maternity care in BC."

Already, about 2,300 births a year are attended by the province's 120 registered midwives, about 30 per cent of them in the client's home. A midwife will work with the expectant mother throughout her pregnancy and for some time after delivery. She will not only offer care and support, but also education so that the pregnant woman can make informed choices. With hospital closures the need for such services, especially in underserved rural areas, is increasing.

In addition to the theory, the BMW degree combines many preceptorships. Students start delivering babies during the first nine-week placement in the second year, and in order to graduate must have attended a minimum of 60 births. Before setting up their own practice, grads must work for at least six months with an established one.

This year, the program will add practical placements in Zambia, Mexico and Pakistan. It also seeks to strengthen cooperation with other healthcare disciplines. "We're finding a real appetite for interprofessional work now and doctors are asking for midwives to work with them – that wasn't happening five years ago," says Carty.

The course, which intakes 10 students per year, is proving very popular and Carty has had to turn away about 90 per cent of the applicants every year. The majority of the students already hold a degree, and age ranges from about 25 to 45.



The 1st graduates of UBC's Midwifery program ready to face the world.

University Boulevard Plan Chosen

■ Two architectural firms, one from Santa Monica, CA and one from Vancouver teamed up to prepare the winning design for the reconstruction of University Boulevard.

The contract for designing University Boulevard, which is the first place most people come to when they enter campus, was thrown open to competition last year. Three proposals were short-listed and displayed at the Belkin Gallery in the early Spring, and alumni, staff and students were invited to come and look and vote on their favourite design.

The winning design creates a visual axis through the area that gives the sense of creative energy with open spaces and unique buildings. The design treats the area with a high degree of ecological respect, featuring demonstrations of water collection and purification, areas of native grasses and trees, and strong links to the historical campus.

The University Boulevard neighbourhood will feature apartment housing, shops, cafes and entertainment outlets, and will become one of the most accessible vibrant gathering places on campus.

For more information on the winning design, visit www.universitytown.ubc.ca/archcomp/exhibit_poll/teamA.php



Managing Malevolent Microbes

■ We may think of ourselves as bigger and smarter than any microbe, but Julian Davies considers these humble organisms to be more than a match for us.

A Professor Emeritus in the department of Microbiology and Immunology, who is also scientific director of the Canadian Bacterial Diseases Network, suggests that we rightly worry about problems such as infectious bacteria that become resistant to antibiotic drugs. But he adds that the issue is much more fundamental than the occasional outbreak of superbugs.

"We haven't evolved in our thinking sufficiently to be able to match the microbes," says Davies, pointing out that they have been around on Earth for some three billion years, or roughly 1,000 times longer than we have.

"The microbes always have the advantage over us since they reproduce and evolve rapidly," he adds, offering antibiotic resistance as an example. "I would say the human race has done pretty poorly in dealing with resistant bacteria, both in terms of coming up with ideas or at least in trying to contain the problem."

By way of helping our thinking evolve, Davies assembled a panel made up of researchers who have substantially improved our understanding of microbes. The symposium, "Microbes: The Good, The Bad, and the Ugly," was among more than 150 distinct scientific discussions on the agenda of the five-day meeting of the American Association for the Advancement of Science in Washington, DC earlier this year. The association, which was founded in 1848, serves millions of researchers from around the world, drawing thousands of scientists and science journalists to its annual conference.

"Antibiotic resistance is a problem in systems biology," he told this audience, referring to important discoveries such as the role of integrons. These mobile DNA elements can capture and carry genes found in free-floating cassettes, which are subsequently integrated into a bacteria's genetic makeup.

"These are like shopping carts," Davies explains, portraying the natural environment as a generous warehouse where bacterial species pick and choose what works best for them. This environment, which microbiologists call the resistome, can include a simple patch of dirt or a wastewater sludge pond. Either setting can serve as a genetic big box store where integrons can find new resistance genes.

Davies dubs this kind of sophisticated interaction genetic jugglery, and it is part of the reason he has remained interested in the subject of microbes and antibiotic resistance since beginning post-doctoral work in the field at Harvard Medical School in the early 1960s.

Since then, advances in molecular biology and innovations such as highly efficient polymerase chain reaction techniques have made it possible to study the many genes responsible for antibiotic resistance in hospitals and the environment. Some 300 of these genes have already been identified, he observes, "and they keep coming."

Davies suggests that strains of bacteria completely resistant to all available antibi-

otics are still relatively few and far between. The appearance of resistant strains, however disconcerting, can usually be controlled with some antibiotics that are currently available to us.

That said, he cautions that we still have good reason to seek out new drugs, even if that search turns out to be long and hard. Genomic sequencing and high throughput screening methodology were expected to make this process easier and more productive, but the microbes continue to hold the upper hand.

"Hundreds of millions of dollars were put into modern approaches to antibiotic discovery over the past six or seven years and it's failed miserably," says Davies. "Nothing came out of it." – submitted by Tim Loughheed

And Speaking of Nasty Bugs

■ It's been known for a while that noxious bacteria such as E. coli and salmonella use a unique method to infect healthy human cells. These killers construct syringe-like molecular structures that they use to poke a hole in a human cell, injecting pathogens

The Iona Building at Vancouver School of Theology on the UBC campus. Photo: Perry Danforth

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TAKE NOTE

that will then infect the cell. But how this syringe is formed, and what might be done to stop it forming in the first place, is the subject of much research.

Natalie Strynadka, associate professor of Biochemistry, has taken a huge step toward solving this puzzle.

Until now, researchers had only a vague idea of what the syringe looked like. Strynadka and grad student Calvin Yip have presented a high resolution image of the base of this syringe, preparing the way for the development of drugs designed specifically to stop the syringe-building process.

"If you can block this step, infection cannot proceed," says Strynadka. "It's the foundation upon which all the rest of the syringe assembles. This is the first time someone has been able to get detailed information about this system."

Without a clear understanding of the way the mechanism works, researchers have been unable to interrupt the process that results, ultimately, in much sickness and death. With this new imagery, researchers can analyze both the process of the syringe and the affect various compounds have in retarding it, with much greater clarity, thereby speeding the discovery of a disabling drug.

Strynadka reckons that this ultimate discovery is five to 10 years away.

Research \$\$ Flow to Social Sciences

■ UBC investigators have secured \$6.5 million in federal research support for 73 social, economic and cultural research projects, earning them second place among Canadian universities for funding garnered in the Social Sciences and Humanities Research Council of Canada (SSHRC) annual grants competition.

The council granted a total of \$81.6 million to 981 research projects at 77 Canadian universities and colleges. Top spot went to the University of Toronto, which gained \$9.2 million for 112 projects. The University of Montreal ranked third with \$6.3 million to support 72 projects.



Grad Student **Calvin Yip** and **Prof. Natalie Strynadka** (below) have developed a high resolution image of the mechanism deadly bugs use to infect healthy cells.



UBC investigations funded by SSHRC include:

- Robert Van Wynsberghe, assistant professor at the Institute of Health Promotion Research, to explore how mega-events, such as the 2010 Olympic Games, can positively impact the health and sustainability of a city and its citizens.
- English professor Jerry Wasserman, to study the dynamics between Canadian theatre and American power.
- Josie Geller, associate professor of psychiatry, to research the most effective role family and friends can play in supporting someone with an eating disorder, especially if the person is not ready for treatment.
- Political science professor Richard Johnston, to analyze whether ethnic diversity and multiculturalism erode support for the welfare state in Canada and other western democracies.
- Thomas Hellman, associate professor at Sauder School of Business, to clarify how venture capital fuels entrepreneurship and innovation as seen in the example of California's Silicon Valley. He will study which legal systems support or deter venture capital investment. ■

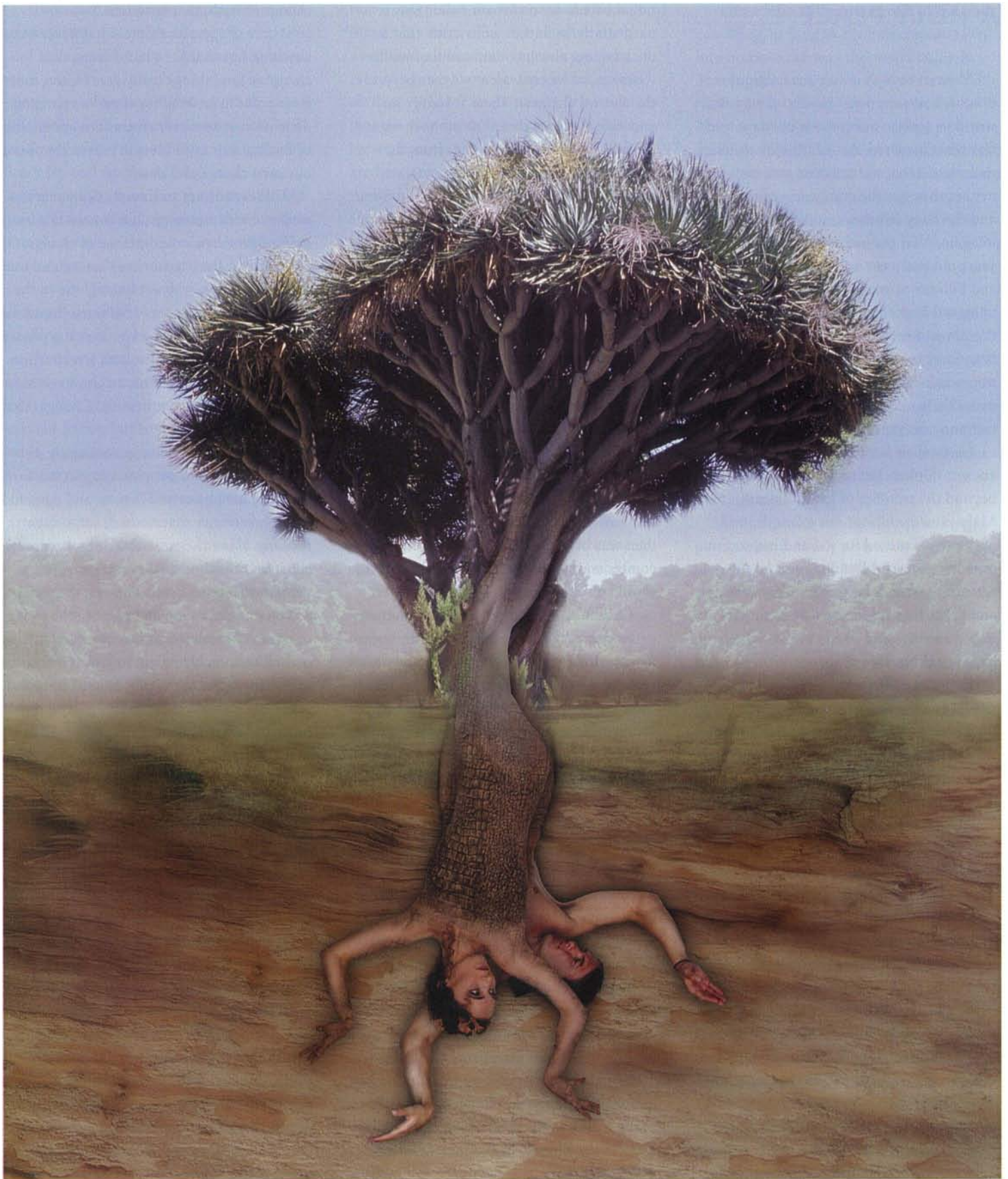
BY DAN OVERMYER



THE WORLD AS A HOLY PLACE

The natural world has long provided humanity with metaphors for social structure and sacred expression. Native North American myths, for instance, point to the sacredness of the earth as the basis for social life. Some Chinese traditions maintain that social order is derived from nature: the patterns of the universal life force, *qi*, in Yin and yang, the four seasons, the structure of the landscape and the order of the stars and planets. The core insight of these old views is that humans are connected to all other forms of life, that we are a part of the whole of things. Modern writers such as Thoreau, Whitman, Muir and Abbey, among others, tell us that our relationship with nature is our most basic reality.

Contemporary science – biology, paleontology, physics, astronomy – provides this idea with a factual foundation. What may once have been seen as vague nature mysticism defines, in fact, the way things really are, and provides an in-depth understanding of the truth about our own existence. It makes it possible to find the sacred and a sense of transcendence within the physical universe, to see this world as a holy place.



A HOLY PLACE

Most of today's dominant religious traditions, however, point beyond the natural world to a place outside our universe to define what is sacred. Ancient Indian thinkers understood that the universe was vast, but neither they nor the composers of myth and theology in other traditions could have imagined that the universe is 14 billion years old and vast, with millions of galaxies and billions of stars. Nor could they have imagined how the universe developed, how the sun and earth were formed and how life began to evolve, or how different strands of proto-humans developed with several extinctions until our own species appeared just 200,000 years ago.

Given their limited knowledge, the ancient thinkers defined a sacred dimension beyond the troubles of life and death. In Mahayana Buddhism, for example, ordinary people turned for aid and inspiration to many powerful Buddhas and *bodhi-sattvas*, symbols of a transcendent wisdom and peace beyond the earthly sufferings of impermanence and death, a world the pious have sought to escape.

In the monotheistic traditions of Judaism, Islam and Christianity, people have long been taught to believe in a creator god who is transcendent and all-powerful, but who still is concerned with humans and available to them in worship and prayer.

All these traditions locate the sacred, the ultimate meaning of life, in an unchanging dimension that exists beyond the physical world. They gave people hope in both life and death, and personified deities to serve as models for their own lives. They provided moral teachings, patterns of proper behaviour for long-term social justice, peace and survival. These moral teachings have been seen as rooted in the will of God or the wisdom of the Buddha, revealed in sacred texts as social expressions of a transcendent order.

Nonetheless, in the light of what we now know about the history of life and the universe, the foundations of these tradi-

tional beliefs are no longer valid. This is particularly so in their conviction that an unchanging, absolute dimension of reality – heaven, or its equivalent – exists beyond the natural universe. There is simply no scientific evidence that such an unchanging dimension could exist. In fact, from the “big bang” 14 billion years ago to now, everything in the universe has been in a state of constant change, including the stars and galaxies themselves, which go through cycles of birth and death, coalescing from clouds of gas, burning for billions of years, then fading out or exploding in novae, to produce clouds of gas and debris from which new stars can form. We have worked out patterns of probability for these events, but no laws as they are conventionally understood. They happen through chance and circumstance in an enormously complex way, depending on the life spans of thermonuclear reactions and collisions between stars and galaxies. The earth itself coalesced from clouds of gas, then was bombarded for millions of years by comets and asteroids to arrive at its present – and still changing – condition.

Chance and circumstance also determined the development of life on earth, beginning with the possibility that some organic molecules came here from space with the colliding asteroids and comets. Forms of life on earth have been almost wiped out several times due to volcanic eruptions, ice ages and asteroid impacts, including one, 65 million years ago, that threw up so much dust and debris that the dominant life form of the time, dinosaurs, could no longer survive. Among the forms of animals that survived were small primitive mammals which, freed of competition with dinosaurs, evolved into our ancient mammal ancestors and gave us the chance to exist.

The only constant factors in all of this have been chance and change: chance that determines which of thousands of sperm will fertilize the egg that happens to be available at the right time to produce a particular individual; change that happens constantly in the trillions of cells that make up our bodies. As the Chinese philosopher Zhuangzi understood 2400 years ago, “everything will

change of itself, that is certain.”

At the deepest levels there has never been anything but change, which means that change is how things really are. Hence, there is no point in looking for some unchanging dimension somewhere else, and no possibility of finding it. It is an illusion created by fear of our own change and death.

This is contrary to thousands of years of well-intended teachings, but it need not be a cause for despair. Acceptance of change can bring us back to our real nature and our deep connection with everything else in the universe. As some forms of Chinese Buddhist philosophy realized centuries ago, the process of change is itself the absolute, a realization that can bring a deep sense of joy. Even before that, the old *Yijing* put it well; “Change: that is the unchangeable.”

Human societies change constantly as well. Migrations of peoples, disease, warfare, struggles for power and justice, and personal ambitions ensure that nothing stays static for long. Nevertheless, some things in nature change so slowly that they are perceived as permanent: stellar constellations, the arcs traced by the sun, moon and planets, the changes of the seasons, the locations of mountains and seas all seem unchanging. Ancient civilizations in Egypt, Mesopotamia, India, China and elsewhere thought these things proved that order and constancy were natural conditions and applied them to human society and government. In this way social rules were understood as expressions of cosmic order. This is understandable, because it is hard to build a stable social order on a vision of constant change. We sense this same need in our own social, economic and political institutions and in our own lives and families.

There is, however, an inherent danger in this perspective. Social institutions that may have been appropriate at one time may become instruments of control and oppression if carried on unchanged. We need to remember that in the long term nature just *is*. Our faulty perceptions of its patterns do not provide cosmic justification for our social traditions. We need to maintain some form of stable social structure without letting it become rigid and oppressive.

This same understanding applies to religious traditions, which attempt to stop time and change with claims that they are based on a self-defined, absolute and unchanging dimension of reality. But in fact there is only one world and one reality, and we are in it and part of it. These traditions of authority from beyond the world have made some useful contributions, but they have also led to a terrible self-righteousness that justifies attacks on other traditions and people. These traditions also divert attention away from preserving life and the world, and focus it on concerns produced by their own imaginations, long solidified by tradition.

We know that our universe is even more complex and beautiful than ancient seers could have possibly imagined. It was not created for us, but somehow, against all odds, we have appeared within it, which is an incomparable wonder and mystery. Though science is discovering new planets around other stars, we are, as far as we know now, the only beings capable of fully developed speech and abstract, analytical thought in this universe. That means we, for better or worse, are the mind of the universe. There is no other. Our responsibility is to think on behalf of the world, as the Confucian philosopher Wang Yangming realized 500 years ago:

"We know then, in all that fills heaven and earth there is but this clear intelligence ... My clear intelligence is the master of heaven and earth and spiritual beings. If heaven is deprived of my clear intelligence, who is going to look into its height? If earth is deprived of my clear intelligence, who is going to look into its depth?"

We do not yet understand in detail how the amazing development of human consciousness took place, but it is based on the fact that we are made, literally, of star dust. In sober reality, we are cosmic beings.

We humans have a colour-detecting pigment in our eyes called *rhodopsin*, which has also been found in algae, one of the most primitive plants. This means that we are genetically related to algae and to every other form of life that has evolved since algae appeared long ago, and reminds us

that this world is the source of our lives. It is our only home. The one absolute truth we should all be able to agree on is that everything we know or can know depends on this world for its existence. It is irrelevant that the world was not created specifically for us, because the marvellous fact is that we are here anyway, to think, work and enjoy.

With this in mind, we must think again about ethics in an attempt to clarify practical rules for living in a universe of constant change, and do it without mystification, without recourse to a supposed realm of authority beyond the world. Chinese Confucian philosophers came close to doing this, but they still postulated a permanent principle of order, *li*, that is present both in the universe and in us, an idea similar to the old Greek and Hellenistic concept of *logos*, the rational principle of all things. European philosophers like Hume and Kant have tried to base ethics on reason alone.

For us, however, the place to begin is our intimate connection with the impermanent, changing universe and all its forms of life.

As the Mahayana Buddhists realized long ago, this shared impermanence provides the basis for an ethic of universal compassion through identification with the "sufferings of all beings." We are all travelling together, we are all genetically related and dependent on each other for survival. From this we can build on the principle that "good" is what protects and fosters life and the earth, and "bad" is what damages and destroys them. We can build a modern structure of ethics on this foundation, while selecting the best from the ethical traditions of the past, such as Jewish justice, Christian love, Buddhist compassion and Confucian righteousness. All human traditions are our heritage, and we have the right and obligation to learn from them.

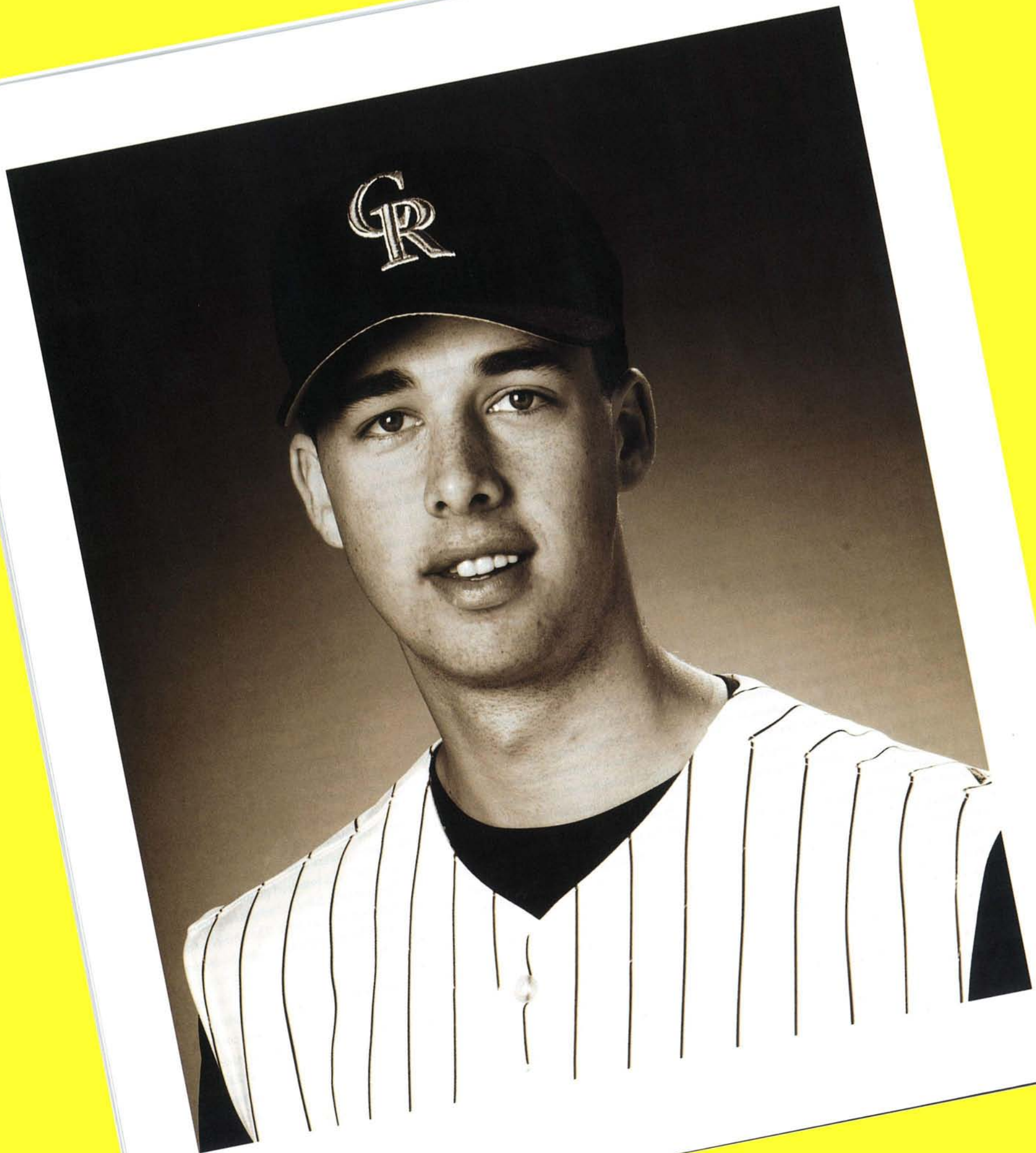
Finally, what does all this mean for ideas about god and death? We no longer have to choose between a traditional idea of god and a completely secular point of view. We do not need to remain trapped in the false dichotomy between faith and nihilism. We can find a sacred dimension in this world itself.

Those who still want to talk about god can do so, as long as their discussion takes into account the way the world really is. Theologians such as Vancouver's own Sallie McFague are already operating at this level. They might consider god as either a personified symbol of the sacred dimension in the world, or that he/she is limited in knowledge and power, struggling, making mistakes, learning as the universe unfolds. In other words, a god that is also part of change. For Christians, the image of Jesus suffering and dying could provide a start.

A determined theist might still see god behind the beauty and complexity of life, in which case the universe would be a vast experiment. But perhaps adopting the simpler interpretation of the cosmic *Dao* or *Way* might be the better direction, humble and unobtrusive, but the source and order of all life, present in us and the universe at the same time.

As to death, it can be a terrible thing, particularly if family or friends die young, violently or unjustly. We are fortunate if we share close and loving relationships to help bear the pain. But in a larger perspective death has always been a natural part of life, and necessary for the process of evolution. Zhuangzi was way ahead of us in his statement, "Therefore, the reason why I appreciate life, is because I also appreciate death." We all want to stay alive as long as possible, but whatever immortality we have will depend on our family and friends and on what we contribute to the ongoing flow of life and knowledge. To Confucian philosophers, the options were either to "leave behind a fragrance for a hundred generations," or to "leave a stench for 10,000 years." Those are our options now as well. The choice is ours to help make this precious world a better place. ■

Dan Overmyer is Professor Emeritus, Chinese Thought and Religion, Department of Asian Studies and Distinguished Associate Member of the Centre for Chinese Research at UBC. Readers are invited to comment on this and other articles in Trek Magazine by contacting the editor.



BY GARY LIBMAN

staring down the dream

A curve ball, some smarts and a great arm.
Jeff Francis takes his game to the big show.

For three years Jeff Francis studied physics at the University of British Columbia. Then the honor student left school to become self educated – not in the traditional sense but on the baseball diamond.

Instead of reading Aristotle or pondering the theory of relativity, Francis sought to understand every tick of his pitching motion, prompted by a \$1.85 million (US) signing bonus from the Colorado Rockies. Once he understands, the payoff could be even greater. The Rockies believe that the youthful-looking, six-foot, five-inch Francis, 24, could metamorphose from a pitcher of tremendous promise into a star.

Understanding his pitching motion is important, says Rockies' pitching coach Bob Apodaca, because each pitch leaves signs. "They tell you stories," he says sitting in the Rockies dugout before a recent game in Los Angeles. "If you get a certain rotation on the curve ball, you've got to be able to read that and say, 'this is what's causing that rotation and this is what I need to do to correct it.'"

"That's what great pitchers do. They have learned their minds and their bodies. Jeff is starting to read the signs. Is he there yet? No. But he's learning. He's becoming his own pitching coach out there."

Francis pursues a steep learning curve of necessity. The lanky left hander, who left UBC and signed his bonus contract in June, 2002, rocketed through the minor leagues and reached the Rockies only 26 months later in August, 2004. He appreciates the speedy ascent, but knows he has lots to prove.

"The major leagues," he says two hours before the recent game in Los Angeles, "are everything you hope they are and more. The big stadiums. The perfect field surfaces. The fans. The crowd noise. And off the field, the hotels, the first class travel and the money. I don't even know what the per diem meal money is, but it's a lot.

"But at any time," he continues, sitting in the dugout in an almost empty stadium, "if you're not performing, they can send you down.

There's an urgency knowing that I haven't accomplished everything that I need to. I need to prove that I can succeed on this level."

While trying to prove himself, Francis has become one of 17 Canadians playing major league baseball. That compares to 19 last season – the highest number of Canadians in the major leagues since 1884 according to Scott Crawford, director of operations at the Canadian Baseball Hall of Fame in St. Mary's, Ontario.

Among current Canadian players, the largest group comes from British Columbia. They include Pittsburgh outfielder Jason Bay (Trail), the 2004 National League Rookie of the Year; St. Louis outfielder Larry Walker (Maple Ridge), Minnesota first baseman Justin Morneau (New Westminster), Chicago Cubs pitcher Ryan Dempster (Sechelt) and Oakland pitcher Rich Harden (Victoria).

There is some debate among experts about whether it is harder for Canadian players than US players to be noticed and signed, but experts agree that outstanding players such as Francis will be found.

"If you're good, they'll find you," says Crawford of the Canadian Baseball Hall of Fame.

Says Greg Hopkins, the scout who signed Francis for the Rockies: "Jeff is there because he's one of the best players in the world. He could have been in Nova Scotia or Iceland and you were going to see that kid. Canada is looked at and scouted just like any other area. It's no secret. We know where kids are playing."

Francis agrees with this assessment. "I had to go to the Alaskan summer league to raise eyebrows and get the opportunity to be drafted in the first round," he says. "But [if I hadn't gone to Alaska] I still would have been drafted."

Francis adds that once players get signed, everyone is on a level playing field.

Says Crawford of the Canadian Hall of Fame: "Statistically it's

been proven that the percentage of drafted Canadian and American players who reach the major leagues is about the same. It's about 6% for both groups. It also seems to take about the same amount of time to get to the major leagues, from what we can tell."

Hopkins says that if a Canadian athlete has not played as much as an American, "it might take a little longer in the minors to catch up, but on the other hand, I like these guys better. You see the kid from California and pretty much what you see is what you get. But a kid from Canada or the northwestern US has a much higher ceiling on their development curve, and to me, that's very exciting. There's a higher risk, higher reward with those guys because they haven't played as much. But if it clicks, man, look out!"

Hopkins, now scouting for the Pittsburgh Pirates, adds that careers of recently signed Canadian players can be slowed by visa problems. "Since 9/11 the Canadian kids are way behind the eight ball," he says. "Only a specific number of work visas are issued. Typically they are spoken for by mid January and February and the baseball draft isn't until June. That doesn't necessarily put a damper on seeing kids, but getting them into the game is tougher."

Francis had no visa problems because he signed and obtained a work visa before the Homeland Security Act took effect.

His readiness to cross the border and play professional baseball increased because he took steps to maximize his talent.

At North Delta Secondary High School Francis realized that Canadian youngsters played less baseball than those in the US. So he joined Vancouver's Premier Baseball League and played about 100 games each summer.

Despite these efforts, no major college recruited him seriously. So he attended UBC and became the career record holder in wins (25), earned run average (2.36), complete games (13) and shut outs (7).

"The experience was invaluable in every way," he says. "I'd encourage anybody in

Jeff is there because he's one of the best players in the world. He could have been in Nova Scotia or Iceland and you were going to see that kid. Canada is looked at and scouted just like any other area. It's no secret. We know where kids are playing."

the position I was in to do the same thing. I can't remember a time that I felt that I wasn't getting the most out of it, that I could, academically, athletically or socially. The people I met and the relationships with other guys on the team were great. I still talk to some guys on the team really often." In fact, he works out with the UBC team when he's in town, and has hosted a few of his ex-teammates at functions in Denver.

Francis also keeps in touch with his UBC coach, Terry McKaig, the man generally credited with developing the Thunderbird team into the top competitor it is today.

While at UBC he took another step to extract the most from his abilities, pitching in the summer of 2001 for Anchorage in the Alaska Baseball League. "I had success that people didn't expect me to have," he says. "I turned some heads."

After that success the Rockies picked him ninth in the first round of the June, 2002, draft.

"In high school he was a skinny kid who didn't throw very hard," says Hopkins. "He had a below average fast ball that was way off the radar. But he stuck with it and he could always throw strikes. Once he got stronger and grew into his body, he developed."

Although matured, Francis' success depends on intelligence as much as physical attributes. "I don't try to be a power guy and blow the ball past the hitters," he says. "My strength is to try to think my way through it and throw the right pitch at the right time."

His ability to think has helped regularly, because professional baseball has been a learning experience.

"I wasn't ready to pitch in the big leagues right away like a lot of college players are," Francis says. "I was a bit of a raw pitcher going on things I kind of picked up myself."

Understandably, he struggled at the start of his second professional season in 2003.

"That helped me keep things in perspective," he says. "There were steps to be taken along the way. Getting to the major leagues is not just one big step."

But midway through the 2003 season his development cascaded. In 37 starts from July, 2003, to August, 2004, Francis compiled a 26-4 record and a 1.81 earned run average in three increasingly difficult levels of minor league competition. That earned a promotion to the Rockies.

"I don't know what caused the turnaround," he says. "I don't think it was a light switch thing. While I was struggling I remained confident, and when I got on a roll I tried to keep doing the things I was doing."

Says Colorado Manager Clint Hurdle: "He just jumped out and got our attention."

With the Rockies he again began slowly, losing his first two starts. "Everything was so big," he says. "I kind of got ahead of myself. I tried to do things too quickly. I was getting over excited and rushing a bit."

But he adjusted and won three consecutive decisions to finish the season 3-2.

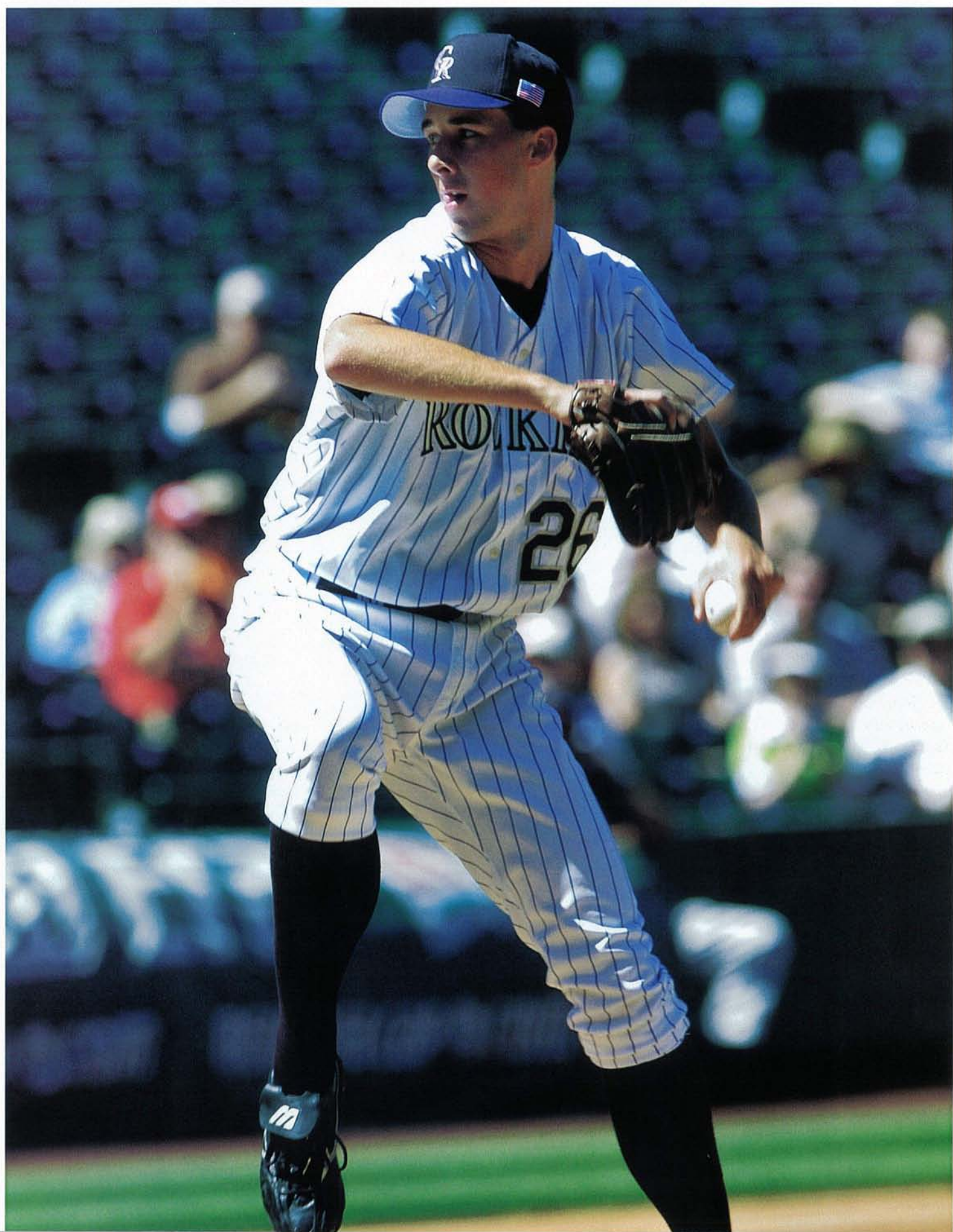
"He's a competitor," says Rockies pitching coach Apodaca. "He pitches probably at his best when his best is needed - that's when there are men on base. He gets men on base because he's trying to overdo and loses the most important thing a pitcher does, and that is to locate the ball."

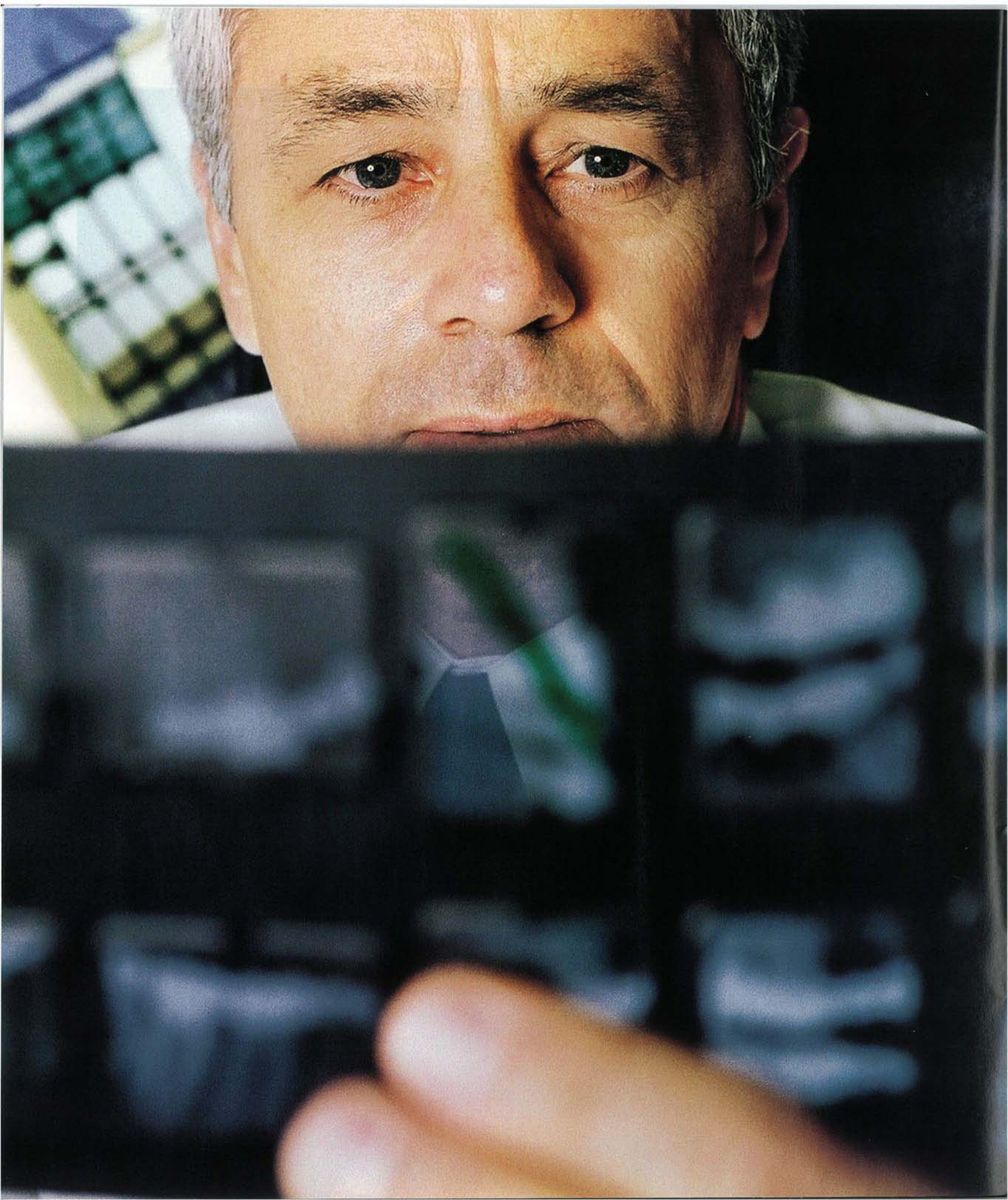
"He's going through so much on-the-job training having to learn against the toughest competition in the world - people who are geared to exploit mistakes."

"I see him pitching and I see what he could be, and he's coming very close to being what he can on a consistent basis."

"He's got a good head on his shoulders. He learns a lot and he learns quickly. That's what aptitude is: the ability to put into action what you just learned." ■

Gary Libman is a Los Angeles writer.





THE SWEET SPOT

ON DECEMBER 26, 2004, while the tsunami slammed into the coasts of Southeast Asia, a graduate student in Vancouver worked through the night at the Bureau of Legal Dentistry (BOLD) lab at UBC. At 4 a.m. the phone rang. The student received the news of the tragic event from the RCMP who were looking for Dr. David Sweet, a world-renowned forensic dentist. The earthquake created enough energy to boil 150 litres of water for every person on earth, which translated into a tsunami that cut a path of destruction leaving 300,000 people dead or missing. The number of unidentifiable persons would be of a magnitude not seen before.

By 6 a.m. Dr. Sweet was working the lines to enlist members of the Disaster Victim Identification (DVI) team into action. "We perceived a need," says Dr. Sweet, lifting his hands off the café table to emphasize his point. "And we wanted to fill it the Canadian way."

In keeping with another fine Canadian tradition, Dr. Sweet's worldwide reputation as a leader in forensic odontology is relatively unknown at home despite being one of the only practicing odontologists in Canada.

Odontology is the science of victim identification using dental charts and estimating factors such as age, lifestyle and socio-economic background through growth patterns and tooth condition. The most resilient body tissues are teeth and bones. The field includes bitemark analysis – the evaluation of dental impressions on soft surfaces, most commonly the skin. Dr. Sweet estimates that about 80 per cent of violent crimes involving physical contact, such as rape, sexual assault, homicide and physical abuse involve biting.

Youthful and fit, with a healthy sense of black humour ("an occupational hazard," he says), Dr. Sweet was the driving force

Real-life CSI research leads a UBC forensic dentist to Thailand to help identify tsunami victims.

behind the Bureau of Legal Dentistry lab at UBC. BOLD is Canada's first facility devoted exclusively to police work, research and instruction in the use of forensic dentistry for crime investigation and prosecution. BOLD opened in 1996 with a \$500,000 grant from the BC government, creating the only odontology lab in the world that analyses teeth and bones using DNA testing. The Faculty of Dentistry provides salaries, secure space and administrative support. Besides research, BOLD also educates and creates awareness among dentists around the world by offering courses in forensic odontology, courses that Dr. Sweet designed and delivers.

"Much of forensic dentistry has never really put science into it and it therefore lacks objective methods of analysis," says Dr. Sweet, who admits to a lifelong fascination with puzzle solving. These scientific methods, something Dr. Sweet and his team at the BOLD lab adhere to, create a level of confidence to draw conclusions based on science.

Dr. Sweet graduated from UBC's Faculty of Dentistry in 1978 and moved to Cranbrook, BC where he ran a quiet dental practice so he could spend time with his family and enjoy the leisurely outdoor recreational activities the area had to offer. But despite the tranquility of life in the East Kootenays, he missed the city and jumped at the opportunity to join the Faculty of Den-

tistry fulltime in 1984. Since then, he has put UBC and Canada on the forensic odontology map. Dr. Sweet is known internationally for three methods that have advanced the field of forensic odontology: the double swab technique, which was developed to increase swabs and is affectionately known as "Sweet Swabbing"; computer-based bite analysis, known as "The Sweet Spot"; and cryogenic tissue preparation, which involves the extraction of DNA from teeth by using liquid nitrogen to keep the tissue cold and brittle so it shatters when pulverized and the resulting powder is analyzed. This third method is known as "The Sweet Tooth."

Sweet's innovations and research in forensic odontology have been featured in the mainstream media such as the Discovery Channel, Patricia Cornwell novels, the TV series "Cold Case" and, of course, "CSI."

Despite a tight schedule full of guest lectures and workshops, casework and teaching responsibilities, Dr. Sweet is generous with his time, especially when it comes to putting his odontology knowledge to work – the bigger the challenge, the better. As a result, he has been called as an expert witness for cases ranging from the missing women in Vancouver's downtown eastside to identifying victims in war torn Yugoslavia, the Swiss Air crash, and the Ogoni Nine in Nigeria, where he helped identify eight of nine victims found in a mass grave. He helped identify the missing after the 9/11 attack, where more than 42,000 mitochondrial samples existed to identify 3,000 missing victims. Even though only a small number of the victims were identified, the experience was a learning one. Dr. Sweet developed two courses in disaster victim identification now offered through BOLD: Disaster Dentistry and Operation DENT-10. More importantly, these lessons helped him in Phuket, Thailand in response to the tsunami.

BY JOHN VIGNA



"We're learning so much from disasters," says Sweet, tanned from his most recent trip to Thailand several days ago. "We learn something new in every case, big or small. Learning to work with the international community is key. And we're overcoming logistical issues that range from cell phones and languages to communicating in another culture and having people away from home for extended periods of time."

Sweet's experience enabled him to pull the DVI team together quickly. One of his main challenges was to gather dental records before going to Thailand. He anticipated problems getting them there quickly, since the country was in turmoil and chaos after the tsunami. To avoid the problem of records being lost or damaged in transit, he scanned them at a high resolution, created a password-only website at BOLD and uploaded them so workers in Thailand could access them immediately. This technological feat was accomplished within 24 hours and it inspired the German and Swedish teams to do the same.

"Everyone has come together to make a difference," he says. "That's what's happening now. Everyone is working together, regardless of nationality."

The DVI team has maintained a rotation of two forensic dentists through Phuket every three weeks since the tsunami. Foreign Affairs

Devastation: Remains of the dead and the detritus of tourism echo the horror of the tsunami's power.

Canada extended the team's stay in Phuket until September, when they will re-evaluate the need.

In Phuket, Dr. Sweet's DVI team works at the Information Management Centre and at Site 2, where the remains of the tsunami victims have been gathered.

At the Information Centre, the team works with records of missing individuals sent from home countries, comparing them to records taken from the remains of tsunami victims. Comparing these data helps establish identity with a high degree of certainty. The team also works with postmortem data they themselves develop at Site 2 from the remains of victims for whom no previous information is available. These profiles suggest age, race and other characteristics that might aid in matching the remains to a particular individual. All the data is entered into a computer and assigned a unique number.

"We have to reconcile the differences with the computer matches," says Dr. Sweet, "and bring the records together from ante- and postmortem data and see if there is a match."

Sweet points out that the computer does

not generate a positive identification. "You just can't manually go through 4,000 dental records on one data base and compare that list against 2,800 bodies," he says. "It's an impossibility. The computer sorts it and generates a shortlist of reasonable close matches. We identify which one is the right person, based on odontology methods."

Those odontology methods include physically examining the bodies of the "missing souls," a job that takes place at the postmortem site. Site 2 is a large, mobile hospital donated by Norway where thousands of unidentified bodies are stored in refrigerated reefers. Here, forensic dentists put on Tyvek suits in 100% humidity and +40C heat and work long days performing autopsies to confirm an identification match. They work from the shortlist generated by the computer program and the package of antemortem data sent from the Information Management Centre, and re-examine the body to create postmortem data and confirm the match.

"From a personal view, the ultimate goal is to create an identification match," he says. "You smile and get a warm feeling knowing that this is the match you've been searching for. You feel a sense of completion and satisfaction. But the most important goal is to get this information back to the family so they can then begin to come to terms with their loss."

Once notified of a positive identification,



the family can decide what to do with the remains. Some repatriate the missing soul, while others make special requests to have it cremated. Dr. Sweet speaks proudly of how the Canadian team left their duties one afternoon to honour one such individual.

"We went to a Buddhist monastery and put the body in the crematorium and had a nice ceremony. The next morning the RCMP went back to collect the ashes and we went out in a boat and spread the ashes across the water, off Phuket, as per the deceased families' request," he says shaking his head. "It was just an incredible experience."

Since most forensic work involves work in a lab, most people in the field do not deal directly with families of friends of victims. In Phuket the experience is much different.

"For the past six months I've helped the police through provincial dental associations so that my team and I know the missing souls' dental records by heart. We have a strong connection to them," he says.

The tsunami has taught Dr. Sweet a number of valuable lessons for the future of BOLD and his DVI teams. He has been introduced to cutting-edge technology like the Digital X-RAY Generator, a lightweight handheld X-RAY machine that runs on a 14 volt battery and can take X-RAYS in the field, an unprecedented innovation.

He has learned that as a Canadian he had to be respectful of Buddhist customs and rituals that are dear to the people of Thailand. Understanding cultural differences, he says, not only shows respect for the country but also ensured that any miscommunication *faux pas* could be avoided that might otherwise hinder their work.

Dr. Sweet has also learned the value of good accommodations, food, music, and diversions for his team to relax each day.

"Our people didn't want to leave at the end of the day, they are so passionate about their work," he says. "They know they're doing something that matters. But they need to decompress and get out of the situation, if only for a few hours."

Despite the enormous need and success of Dr. Sweet's forensic team in Phuket, he returns to UBC from each tour of duty to face enormous funding uncertainties that keep him removed from his research most of the time. He spends the majority of his time canvassing support, and estimates that BOLD needs at least \$750,000 to stay in operation.

"I spend more time searching for funding rather than doing research," he says with more than a hint of frustration. "I wish I could spend more time with my belly at the bench."

BOLD charges a fee for its casework, but the lab's insufficient funding makes it nearly im-

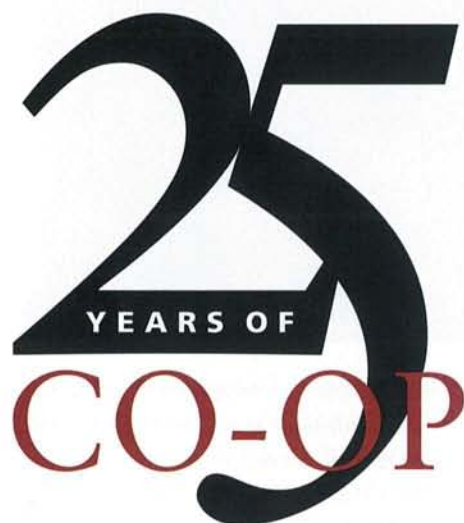
possible to keep up with current technology or to hire adequate staff. The lab is limited to one case per week, which is not enough to raise the money BOLD needs.

Casework pays some of the bills, but the research does not. Traditional science does not support death research, so applying for funds and grants is difficult. Yet it's his research that garners worldwide acclaim and brought him to Thailand to identify the missing. Since forensic odontology falls under "science" Dr. Sweet cannot patent it, nor would he want to.

"As a scientist, when I develop something I want to get it out there and share it so justice can be served," he says. "It's a sad fact: I'm in a business but not as a researcher," he says.

But in the end, Dr. Sweet understands that no price can be put on serving justice and restoring dignity to unidentified souls, particularly in Thailand where the devastation is indescribable and the remaining unsolved cases are the most difficult. "Normally we focus on the science, but in this situation the reality is you're dealing with thousands of loved ones. This makes the process more human and puts so much of what we do into perspective." ■

John Vigna is a Vancouver writer.



UBC's thriving Co-operative Education Program grew out of a 1970s pilot program to bring more women into male dominated occupations.

It soon became clear that both genders would benefit from relevant work experience and UBC's official co-op program began in earnest in 1980. Most of those early placements were in Science and Engineering fields, but over 25 years, the program has expanded to include the faculties of Forestry, Commerce, and Arts.

More than 2,300 students took co-op placements this year, making the program the second largest in BC after UVic's and the fastest growing over the past five years. In the beginning, the program struggled to find students to place. Now, there's a waiting list and a comprehensive screening process. Students only enter the co-op program after completing their second year of study, which means they have already grasped the fundamentals of their subject areas. Employers can access desirable skills from among the cache of co-op students, and the four or eight-month work terms give them ample opportunity to screen students as potential full-time employees. It's very much a two-way street, and students also assess employers along the way.

The program placed about 200 students in international sites, and one of the Co-op Program's main strategic goals is to substantially expand on that figure. "The idea of producing global citizens is part of the university's vision and the program is a powerful way to give students international experiences," says Arts Co-op Director Julie Walchli, who has just returned from trip to Asia visiting students and seeking new employers. "It would be ideal if every student had one international co-op term. That's one of our long-term goals. We're on our way."

BY VANESSA CLARKE

ENGINEERING CO-OP ALUMNUS/EMPLOYER

Jerry Lum BASC'85

of David Nairne and Associates

When Jerry Lum was an engineering student 25 years ago, he was more conscientious about work experience than many of his peers. "Most of my class mates went off to Europe during the summers to lie on the beaches, but I wanted to work to know what the profession was like," he says. So he joined the Engineering Co-op program, then in its infancy.

Now head of the Structural Engineering department at David Nairne and Associates, Lum has been taking on UBC co-op students for the past five years and is impressed at how the program has evolved since his own student days.

"Employers were reluctant to hire co-op students back then. I found it hard to find placements in structural engineering and I spent my co-op terms mainly with municipal governments," he says. These days, however, with a shortage of qualified professionals in the field and a much-expanded co-op program, the benefits of hiring co-op students have become more widely apparent.

Although he and his colleagues had some initial concern that students would take up too much time, Lum was pleasantly surprised. "We've had bright, articulate, capable and hard-working students. It takes some time to get them up to speed, but after a couple of months we find them very productive. And it's a pre-employment trial at no risk."

Co-op students make up at least 10 per cent at the firm and are treated as an integral part of the team. "We train them and guide them through each step of the project," says

Lum. "We don't want them to sit at a desk and draw. We get them out into the field, make sure they don't fall off the roof, get them to look at suppliers, draw for architects, design, do computer work. We try and give them as broad a background as possible for two reasons – to see how they perform and to give them an idea of what is involved in the profession."

The firm's philosophy is to support the industry and the profession and the Co-op Program provides a means of contributing to the field. "We can't hire all of our co-op students, and maybe some of them will become our competitors, but I'd rather have a high-quality competitor than an untrained competitor because it really affects the industry," says Lum. "I want to see how our firm can help raise the standards of our profession."

ARTS CO-OP STUDENT

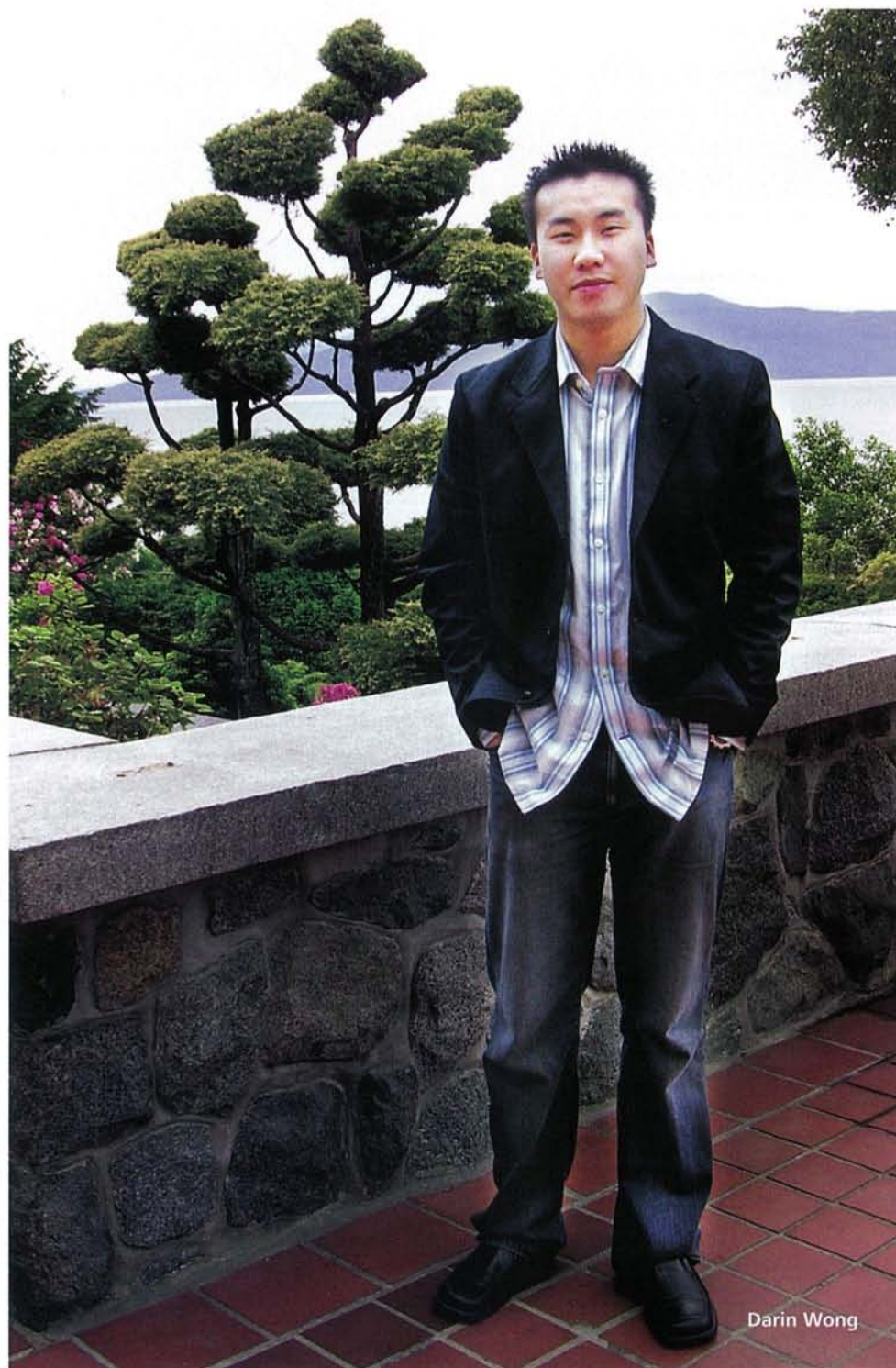
Darin Wong

4th year political Science student

"A lot of arts student, me included, are unsure of what to do after their degrees," says Political Science student Darin Wong. "The Co-op program gives them experience and beefs up their resumes." His own three co-op placements have given him a valuable variety of experience in terms of both work tasks and environments.

The first of these was with United Way, where he spent most of his time out in the field acting as a liaison between the organization and the companies that run its campaigns. The second was with a smaller non-profit agency, the Adoptive Families Association of BC, which provides support for families wishing to adopt children from Canada or overseas. Here he was the communications assistant and spent more of his time in the office interacting with his immediate colleagues.

His third placement was with Citizenship and Immigration Canada in Ottawa. "I got a strong insight into the department's structure and culture," says Wong. It's made his



The Co-op Program is something students should carefully consider – and employers can be sure they're getting high quality students who are really interested in learning and making a difference

25 YEARS OF CO-OP

decision about what to do after graduating much easier. "I learned a lot working in the non-profit sector, but would like to work in the public sector in policy analysis and research," he says.

The level of supervision he received varied between organizations, so he has had the experience of both using his initiative and following instructions. "When I was at United Way, I had a very supportive supervisor who was on top of my work, not to the point of overbearing micro-management, but I could go to her if I had any issues or challenges I couldn't address on my own. I had confidence in her. At the Adoptive Families Association I was largely left alone to do my own thing, but I still found out a lot about the publishing industry. At CIC, everyone's time was very pushed and I learned how to work without direct supervision. I learned a lot of negotiation skills there," he says.

"The Co-op Program is something students should carefully consider," says Wong, who became involved in the Arts Co-op Students' Association by helping to produce its online newsletter. "And employers can be sure they're getting high quality students who are really interested in learning and making a difference" he says. "There's a lot to be gained in terms of helping them develop the skills to succeed in the workplace. They're a source of future employees who already have experience of the company or department."

SCIENCE CO-OP EMPLOYER

Professor Hugh Brock

Although he has been a UBC Zoology professor for nearly all of the Science Co-op's 25-year history, Professor Hugh Brock only began employing co-op students in his lab a year ago. He started out as a developmental biologist working with fruit flies. But research in his lab these days is now aimed at untreatable childhood leukemias, quite a new area for him.

Brock's had four co-op students so far and says "I'm blown away by how co-op students outperform essentially everyone in my lab apart from my research associate. To have people who are happy to work under direction makes for a lot of productivity – they just get down to it and do it. I'd take a lifetime supply of them."

In return, the students get a very clear idea of what the life of a working scientist is really like. Brock's favourite definition of research is Nobel prize winner Zoologist Peter Medawar's "The art of the soluble."

"Students often don't appreciate the art to science," says Brock. "They think science, they think cookbook, they think cut-and-dried. But it's creative and inventive, and promotes lateral thinking as much as any other creative process." He reckons that most of the co-op students realize that by the time they leave. "The point is in their learning how to think like a scientist thinks and to do like a scientist does. They realize that it's so much more interesting and challenging and creative than they expected, or perhaps more repetitive, boring, difficult and slow than they might have expected."

COMMERCE CO-OP STUDENT

Salim Hassan

Salim Hassan has wanted to study at UBC ever since grade 10 when he attended a trade fair in his home town of Sharjah in the United Arab Emirates. "UBC came out to talk about their programs and I thought, 'Wow! That's the place I want to go,'" he says. He started his undergraduate degree in Commerce in 2001.

His current co-op placement with Lois Nahirney of Dellan Consulting has been the most rewarding. Nahirney wanted help starting up Wired Wox Tours, an audio-guided tour company with a comedic edge that would allow tourists to explore Vancouver at their own pace while being informed and entertained. "She needed someone to come on board, start it up, take it on, and make it fly," says Hassan.

He was given the responsibility for nearly everything, from finding writers

for the comic audio scripts to getting the company incorporated and launched. "So far it's been a crazy ride and every day is a new challenge," he says. "There's a lot of ambiguity that I have to deal with. It's the first time something like this is being done in Vancouver. There's a high chance for it to fail. There's a high chance for it to succeed. Nothing is laid on for me. It's been great in terms of growing and taking on responsibilities."

Although he has been given a lot of rope, Hassan is pleased with the level of mentorship provided by Nahirney. "I've learned so much from her. She's taught me organizational skills and how to think outside the box. I've learned a lot these past four months and I'm applying it. She evaluates my performance and gives me great feedback." Hassan is delighted with his co-op experiences, but thinks that employers have just as much to gain as the students. "We're very eager to learn and very eager to grow," he says. "We're very cost effective and will put in 101 per cent because we want to prove ourselves." He has been so happy studying and working in Vancouver that Hassan is seriously considering immigration. "My experience at UBC has been absolutely magical," he says.

SCIENCE CO-OP STUDENT

Jehan Casey

Jehan Casey is a Physics major with an "insane interest" in Classics. Her challenge has been to whittle down the world of work to a job that satisfies both her wide-ranging curiosity and intellectual strengths. In this, the co-op program has served her well.

Her first placement wasn't the position she applied for. "I applied for a technician job on a radio tower with Environment Canada. They responded: 'You are entirely unqualified for this job but your cover letter blew us away and we'd like to create a job for you.' They wanted to know if I'd written it myself," she says. Environment Canada needed someone who understood basic principals of physics and could write coherently to create training materials for a



THE UNIVERSITY OF BRITISH COLUMBIA

2005 Report on Giving

Sandra García, 4th Year Arts student,
is a Class Act volunteer and donor, and a
UBC Fund student caller (story page 5)



Contributing to a Civil and Sustainable Society



This year, the UBC community has proved that the key agent of influence and change is the individual, acting alone or with others to strengthen civic life. I am pleased to report that UBC has witnessed an unprecedented level of response to the vision expressed in Trek 2010: students, faculty, staff, alumni, and our greater community are all committed to promoting the values of a civil and sustainable society, and to making a positive impact on our world.

From improvements to the quality of student learning and increased opportunities for performing artists, to measures taken to conserve natural resources, the stories inside the 2005 Report on Giving celebrate our donors' generous contributions to our civic life. Among the gifts featured in this report, one prompts us to explore questions of war and peace, while another encourages students to achieve their dreams. You may also read about several donors who are helping to inspire First Nations youth, and about the students from this year's graduating class who are giving back to the university that has helped prepare them to become exceptional global citizens.



Through your commitment to global citizenship, we are witnessing life-changing impacts in Vancouver, British Columbia, and beyond. As members of the university community, many of you recently played a vital role in the outpouring of concern and support for the victims of the devastation caused by the tsunami in South Asia. The subsequent establishment of the UBC Global Service Learning Endowment is a direct and long-term response to this disaster, and is already arousing widespread interest.

By supporting UBC, its students, and our efforts to build a better world, you are helping to provide tools that will counteract disease, hunger, war, and environmental pollution, to name only a few of the many challenges that society faces today. I would like to thank you, our alumni, friends and associates, for giving so generously to UBC. Thank you for recognizing that, by working together as citizens of a global society, we can be the agents of positive change.

Martha C. Piper
President & Vice-Chancellor
The University of British Columbia

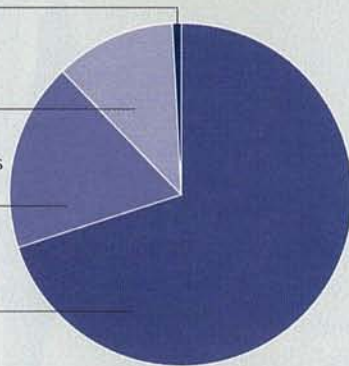
A Record Year, Thanks to Every Gift

85 Gifts from Estates

2,484 Corporations,
Foundations and Other
Organizations

3,872 Faculty, Staff, Parents
and Friends

15,288 Alumni and
Students



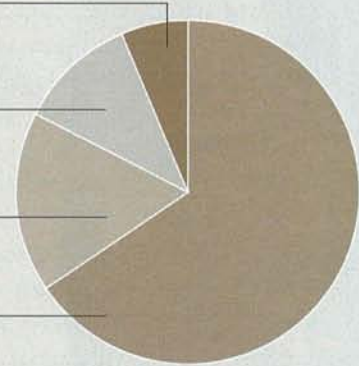
Every Donor is Making a Difference
Total: 21,729 gifts

\$6,639,411 for Research

\$11,332,637 for Student
Scholarships and Bursaries

\$17,316,666 for Buildings,
Equipment and Collections

\$66,502,450 for Academic
Endowments and Programs



\$101,791,164 Donated to
Every Part of Campus

Dr. Irving K. Barber's gift will create an exceptional learning environment for UBC Okanagan students.

A Vision for Undergraduate Learning

Innovative teaching methods and learning derived from hands-on experience – this is the educational environment that Dr. Irving K. Barber, OC, OBC envisioned when he gave \$10 million to establish the Irving K. Barber School of Arts and Sciences at UBC Okanagan and the Irving K. Barber Learning Centre Interface Program. Combined with a \$5 million commitment from UBC, Dr. Barber's gift will establish a \$15 million endowment that will fund these two visionary initiatives.

The establishment of the Irving K. Barber School of Arts and Sciences at UBC Okanagan



"My hope is that the Irving K. Barber School of Arts and Science at UBC Okanagan will in turn support students, educators, researchers, and lifelong learners throughout the province and around the world." – Dr. Irving K. Barber

provides a unique opportunity to create here in BC the exceptional undergraduate learning environment that exists at private universities like Princeton and the University of Chicago. "My hope is that this will in turn support students, educators, researchers, and lifelong learners throughout the province and around the world," said Dr. Barber.

Dr. Barber is also providing up to an additional \$2.25 million to fund the start-up costs of the two initiatives.

In recognition of his generosity, the Province of BC has set up a \$15 million endowment that will annually generate 150 Irving K. Barber BC Scholarships to support students as they transfer from BC community colleges to BC universities.

"The genius of his gift is that the Irving K. Barber School of Arts and Sciences, in combination with the Learning Centre Interface Program and the provincial scholarships, will become a catalyst for improving

the quality of undergraduate learning not just at UBC Okanagan but throughout the entire province," said UBC President Martha Piper.

With a donation of \$20 million in 2002, which has grown to about \$26 million, Dr. Barber also made possible the Irving K. Barber Learning Centre at UBC's Vancouver campus, which is scheduled to open in 2006 and will be responsible for creating a visionary facility that will distribute knowledge and learning practices throughout British Columbia and the world.

The Lily Lee Scholarship in Nursing

Students entering UBC's School of Nursing will have access to a new endowed award: the Lily Lee Scholarship in Nursing. Mrs. Lee, who graduated from UBC with a BSN in 1956, has sat on the School's Advisory Council since 2000. About the award, she says, "It is to provide for those students who might otherwise not have the resources to fulfill their dreams of going to university."



Ross and Trisha Beaty's gift will help to engage the community in natural history and facilitate biodiversity research.

Safeguarding Nature's Balance, Celebrating its Wonders

UBC will soon be home to the first natural history museum in British Columbia's Lower Mainland. Thanks to an \$8 million gift from alumni Ross and Trisha Beaty, UBC's existing species collections will be brought together in a \$50 million world-class facility.

This facility will also provide research space for an internationally recognized team of scientists, more than 50 researchers who study biodiversity loss and ecosystem preservation.

"The Beaty Biodiversity Research Centre will bring together many talented people from departments across campus into one integrated research unit," says Dr. Dolph Schluter, Director of the Biodiversity Research Centre. "You cannot overestimate the importance of shared architecture to inspiration in science."

The Beatys' gift, combined with other significant financial contributions, will provide the laboratories for Dr. Schluter's team to launch new and ambitious research projects such as how ecosystems might function when

they have lost twenty per cent of all their species. It will also create a venue where the public can make informed decisions about ecosystems, as well as celebrate BC's incredible natural wonders.

"The Beaty Biodiversity Research Centre and Beaty Museum of Natural History will enrich our local society, Canadian society and global society," Ross Beaty says. "And it will teach existing and future generations – our children – some of the things that are important for them to know about our earth."

Expanding Business Education

UBC Robson Square now houses the Bentley Centre for Business Education. Dr. Peter J.G. Bentley, OC donated \$1 million in 2004, helping to open up UBC's business education programs to more professionals and other community members. Dr. Bentley is Chairman of Canfor Corporation, a Distinguished Fellow of the Sauder School of Business and Chancellor of The University of Northern British Columbia. He was also a longstanding member of the Faculty Advisory Board at the Sauder School of Business.

The Sauder School of Business was named in recognition of Bill and Marjorie-Anne Sauder's \$20 million gift to the faculty in 2003.

Encouraging the Next Generation

Born into a working-class family in England, Barrie Martin didn't hold out much hope of a university education. But after moving to Vancouver and finding employment, he set his sights on the Certified General Accountants (CGA) program at UBC.

By this time, Mr. Martin was in his thirties. With a family to support, he needed to continue working while completing his studies, and it took him seven years to qualify as an accountant. Wanting to make education less of a financial burden for students, Mr. Martin established a bursary at UBC in honour of his daughter. The Barrie and Diana



Barrie Martin established a bursary to honour his daughter and support students.

"It's amazing the difference even small amounts can make." – Barrie Martin, CGA

Sandra Garcia played an integral part in Class Act, the graduating class fundraising initiative.

Carol Martin Award has been set up to help students at the Sauder School of Business as they work toward their degrees.

"I wanted to place my daughter's name on this," he says, "and I wanted to provide some financial support so that students can get their advanced education at an earlier age than I did."

Mr. Martin has created a bequest in his will for the fund supporting his award, which will contribute to the success of the next generation of Commerce students. A great believer in the power of each dollar, he has also contributed other sums to the fund. "Even \$5,000 is a lot of money for some people," he says. "But it's amazing the difference even small amounts can make."

One Student Makes the Grade in Giving

She's the ideal volunteer – enthusiastic, creative, reliable – and she's made her mark on the Class Act program. Thanks to Arts student Sandra Garcia, the graduating class fundraising initiative has a new logo and web pages.

The Class Act program encourages UBC students to make donations that will



"Fundraising is not just about the dollars. It is gratifying to know that our efforts will be making a difference on campus in the long term." – Sandra Garcia, 4th Year Arts student

contribute to the success of the students who follow them. Sandra became involved in Class Act a year ago, when she headed up a committee created to support a night of poetry. She and the other committee members delivered class presentations and approached fellow students in person and by phone.

"It's so important for students to give to UBC," Sandra says. "Then they realize the impact of what they can achieve."

Held in January 2005, this event was made possible through donations by students like herself. Poets Lillian Adams and Wayne Compton shared their work with a UBC audience, allowing students exposure to the work

of professionals they study in their classes.

Sandra has also worked for three years at the UBC Fund Call Centre. She credits her work there for helping to shape her future plans – she hopes to pursue a career in arts or film communications – and believes that fundraising has helped her realize the impact that students and alumni can have in their community.

"Fundraising is not just about the dollars," Sandra says. "It is gratifying to know that our efforts will be making a difference on campus in the long term. I am so proud of the projects we raise money for, like the Downtown Eastside Learning Exchange, that connects alumni, students and the Vancouver community."

Commemorative Awards

A Lasting Tribute to Great Mentors and Teachers



Four awards established this year honour and memorialize faculty members who have inspired their students, colleagues and others to realize their potential and make a difference in the world. These awards support a new generation of learners, and pay tribute to individuals who have profoundly influenced those around them.

DR. RONALD JOBE is a professor in UBC's Department of Language and Literacy Education as well as a member of the teaching faculty of the multidisciplinary Master of Arts in Children's Literature Program. The School of Library, Archival and Information Studies (SLAIS) has endowed the Ronald Jobe Children's Literature Scholarship, which will provide support for students enrolled in the Master of Arts in Children's Literature Program. "We are honouring Ron for his enthusiastic promotion of Canadian children's literature, literacy

Dr. Ronald Jobe shares his love for literature.

and publishing for children at home and around the world," says Edie Rasmussen, Director of SLAIS. "For over 30 years, he has been a global ambassador for children's literature, and he has educated a generation of teachers and teacher-librarians in using children's books in the classroom and the promotion of literacy."

DEAN EMERITUS GEORGE CURTIS came to UBC in 1945 as the founding Dean of Law. He had a profound impact on students during his time as Dean, made significant contributions to legal education, and fulfilled his civic duty through public service. Since his retirement in 1971, he has continued to be an important influence on the law school. At his recent 98th birthday celebration, the Dean Emeritus George F. Curtis Student Endowment was announced. Dean Curtis, who relied on scholarships for his own

education, is delighted that this fund will provide support for law students in perpetuity.

Lisa Vogt, managing partner of McCarthy Tetrault, explains why her firm made the lead contribution to this fund. "We were delighted to have our name associated with George Curtis – so many of the lawyers here who went through UBC law school identify with him. The fact that this would also benefit students worked very well."

Friends, family and colleagues have endowed a scholarship in memory of **DR. PETER FROST**, who taught at the Sauder School of Business until shortly before his death in October 2004. Dr. Frost was at UBC since 1975, and won numerous teaching awards for his courses on organizational behaviour and leadership. His 2003 book, *Toxic Emotions at Work*, became an award-winning bestseller. The Dr. Peter Frost Teaching and Learning Scholarship pays tribute to the impact Dr. Frost has had on his colleagues, students and friends. Comments on his memorial website (<http://isr.sauder.ubc.ca/peterfrost/peter.asp>) show how many lives he touched.

"His spirit infused everything he wrote, everything he gathered, pretty much everything he touched."

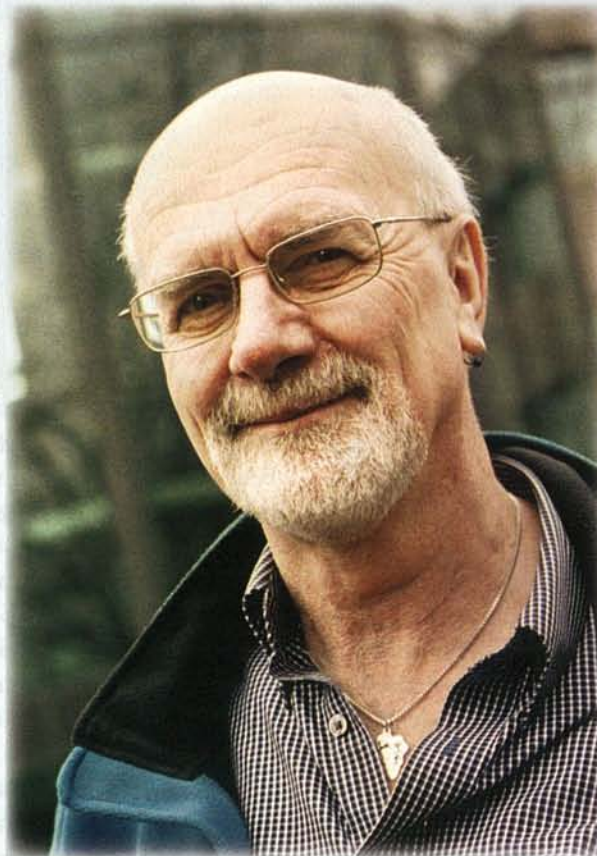
"A master teacher who shared his craft generously with many others."

"He challenged all of us to question what we knew and how we knew it, always following his own unquestionable bedrock of values," writes Francesca Marzari of her father, **DR. STEPHEN STRAKER**, who passed away in July 2004. A professor of history, Dr. Straker was a founding member of the Arts One Program, which uses small groups and concentrated learning to provide a unique focus for first-year Arts students. In memory of his pioneering work, the Stephen Straker Arts One Memorial Fund has been established to provide financial assistance for students entering the Arts One Program.

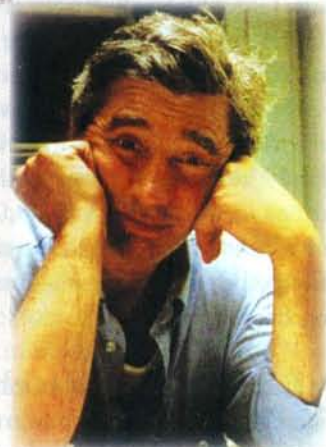
*Dean Emeritus
George Curtis*



Courtesy of UBC Faculty of Law



Dr. Peter Frost



Dr. Stephen Straker

Courtesy of the family of Stephen Straker



Dr. Jennifer Simons has been instrumental in establishing a research centre at UBC dedicated to pursuing solutions to disarmament and arms control.

genome science – will conduct studies out of this 7,400 square metre facility, named after the late Nobel laureate. It is one of several projects made possible by an unprecedented gift of \$50 million from Stewart and Marilyn Blusson, who were honoured for their contribution at the official opening ceremonies.

In Support of First-Year Dentistry Students

Dr. Howard Bittner recently established an award to help students cope with the rising costs of dental education. The Howard Bittner Bursary in Dentistry Endowment Fund will support first-year Dentistry students in financial need. Dr. Bittner graduated from UBC's D.M.D. program in 1982, and is heavily involved in the Lower Mainland dental community.

Exploring Questions of War and Peace

When the Berlin Wall came down in 1989, many people believed that the world was safe from the threat of nuclear war. Others, like Dr. Jennifer Simons, knew there was a long way to go before people could live free of the fear of weapons of mass destruction.

"My hope is that a strong and growing worldwide network of research and education on nuclear disarmament will empower younger generations to realize a nuclear-free world in their lifetimes." – Dr. Jennifer Simons

New Study Room for Mining Engineering Students

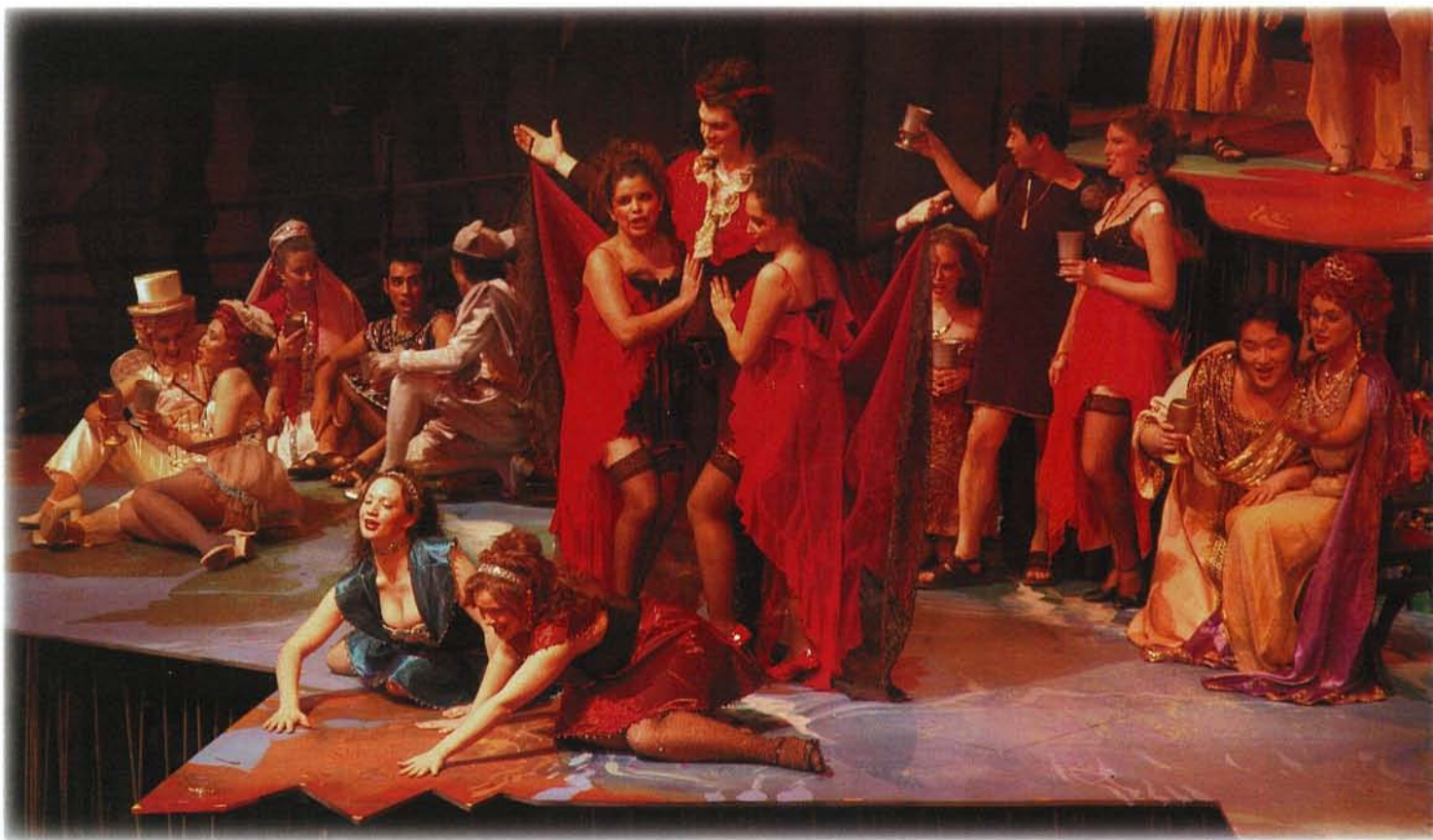
The L.B. Gatenby Study Room is named in memory of Lisle B. Gatenby, a UBC graduate and mining engineer whose career spanned 65 years and took him around the globe. Mr. Gatenby was a key player in the development of the Lornex copper deposit, now part of BC's Highland Valley Copper, one of the largest copper operations in the world. A \$100,000 gift from the Gatenby family has allowed the creation of this dedicated study room for students in the Department of Mining Engineering.

New Facility for Biotechnology

The new Michael Smith Laboratories opened in September 2004. UBC's biotechnology researchers – known worldwide for their pioneering work in

"Our history is all predicated on wars," she says. "At Hiroshima, mass terror entered the world, and I believe it's in the collective unconsciousness of humankind now. And so I think we have to develop some peace milestones."

Through her personal commitment and a series of significant gifts to UBC, Dr. Simons, along with The Simons Foundation, has been instrumental in establishing a research centre at UBC dedicated to pursuing solutions to disarmament and arms control. Since 2001, the Simons Centre for Disarmament and Non-Proliferation Research has been an independent policy research centre focused on subjects including weapons of mass destruction, ballistic missile defence and the weaponization of space. Through conferences, research papers and courses, the Centre – the only university-based disarmament and non-proliferation



The Chan Centre Endowment Fund makes possible many performances, including those staged by the UBC Opera Ensemble.

centre in the world – is attempting to influence Canadian policy on these issues of global security, and is establishing a presence on the international stage.

Most recently, Dr. Simons has committed to developing future generations of experts in this highly specialized field. The Simons Foundation has donated \$1 million to UBC to establish an endowment for the Simons Post-doctoral Fellowship in Disarmament and Non-Proliferation. Since post-doctoral fellows are refining their skills prior to an independent research career, their experience at this stage significantly influences their future work. The endowment will fund the post-doctoral fellowship in perpetuity, ensuring that research into disarmament and non-proliferation will continue.

Dr. Simons envisions this fellowship as only the first of several. She also believes that once UBC has an established program in disarmament and non-proliferation research, other universities will do more to build similar research centres of their own.

“My hope,” she says, “is that a strong and growing worldwide network of research and education on nuclear disarmament will empower younger generations to realize a nuclear-free world in their lifetimes.”

Celebrating the Performing Arts

When the Chan brothers made a donation to UBC to create the Chan Centre for the Performing Arts, they provided a world-class facility for the community and a tribute to their father. Since its opening eight years ago, the Chan Centre, which houses the most acoustically advanced concert hall in North America, has become extremely well known around the world. It has hosted numerous events, many of them performed by the UBC School of Music and the Department of Theatre, Film and Creative Writing.

The diverse program presented by these groups would not be possible without support from the Chan Centre Endowment Fund, established in part by the Chan brothers’ initial gift. Now the Chan brothers have donated an additional sum to the fund, raising its capital to \$5 million.

“Increasing the endowment enhances our ability to contribute to the community,” says Sid Katz, Director of the Chan Centre. “We hope to offer even more performances and bring in the best in the world.”

He points out the importance of patronage, which not only helps the performing artists, but also allows people in the community to contribute to performances they are passionate about. To achieve the goal of



Learning about forestry practices at the second annual Summer Forestry Camp for First Nations Youth.

increasing the fund's capital to \$10 million, the vital role played by patrons like the Chan brothers cannot be underestimated.

Performers at the Chan Centre range from local elementary school students to national choirs to international stars such as Yoyo Ma; audiences include UBC students and visitors from outside Canada.

"If it wasn't for the endowment, many of these programs just would not be possible," Sid Katz concludes.

Hands-on Forestry Inspires First Nations Youth

Imagine a week filled with nature walks, canoeing, a spin in a tree-top canopy and a hands-on talk by a salamander researcher. These were just some of the activities at the second annual Summer Forestry Camp for First Nations Youth.

"Forestry impacts every community in British

Columbia," points out Pamela Perrault, First Nations Coordinator in UBC's Faculty of Forestry. "But the science and math needed to enter a degree program in forestry or related sciences aren't subjects that youth want to admit an interest in."

Pamela explains that by grade 10, many First Nations students have dropped their science and math courses. To combat this trend, the camp organizers recruit students in grades 8 and 9.

The August 2004 camp – attended by 25 students from across BC – was made possible through the support of donors, including industry, First Nations and individuals who recognized the important role the camp could play.

"It raises self-confidence among the students, as well as educating them about forestry practices," says Pamela. "And the impact of the camp goes beyond the students."

The enthusiasm generated by the camp has led some



An artist's rendering of the John M.S. Lecky UBC Boathouse

First Nations communities to contact the Faculty of Forestry for assistance in starting their own forestry camps. While funding must be secured on a yearly basis for the UBC camp, Pamela dreams of creating materials to help these spin-off camps, mentoring even more students, and reaching out to their parents and communities.

Supporters of the 2004 camp include Weyerhaeuser, Tembec (Cranbrook Division), Borland Creek Logging, Chendi Enterprises Ltd., Ecolink Forest Services, Tsi'bas Forest Services, Tsi Del Del Enterprises, Yun Ka Whu'Ten Holdings Ltd., Charlie & Sue Johnson, and Elizabeth Backman.

Disease State Management Program Established

The Faculty of Pharmaceutical Sciences has partnered with Cobalt Pharmaceuticals and Save-On-Foods to establish a Disease State Management Program at Save-On-Foods Metrotown. "The UBC Faculty of Pharmaceutical Sciences Cobalt Pharmaceuticals Save-On-Foods Disease State Management Program will enhance the existing collaborative practice with physicians, pharmacists, nurses, dieticians and patients to ensure the safe and effective use of medications," says Dr. Leela John, Assistant Professor of Clinical Pharmacy and a UBC Doctor of Pharmacy graduate. Dr. John will be implementing the program, which will provide medication management for BC residents who suffer from asthma, diabetes and other chronic conditions.

John M.S. Lecky UBC Boathouse

A new centre of excellence for paddling sports will be built this year in Richmond on the Middle Arm of the Fraser River. Named for the Olympic rowing medallist and UBC alumnus whose passion for life inspired many, the John M.S. Lecky UBC Boathouse will help to revitalize the area. The floating structure will become the first permanent home for UBC rowers, a venue for races and other community events, and a world-class facility that will celebrate and continue the proud tradition of rowing and paddling in British Columbia. This project is funded entirely by the community – more than \$4 million has been raised from the Lecky family and friends, St. George's School, and UBC alumni and other supporters.

Enhancing Social and Emotional Growth

Recognizing that the social and emotional development of children plays a vital part in their future, the Faculty of Education has partnered with school boards and community groups to create the Social-Emotional Learning Practicum Course. Students of this program – the first of its kind in Canada – will work directly with children and youth, learning the latest techniques for enhancing social-emotional growth. The program is largely funded by the Edith Lando Charitable Foundation, the Edward D. and Anna Mitchell Family Foundation, and the Attias Family Foundation. Together these foundations are contributing \$600,000 in honour of Edith Lando, who dedicated her life to helping children and youth reach their full potential. By inspiring and leading change in the area of social-emotional learning, the SEL Practicum will embody Mrs. Lando's vision.



RECOGNIZING OUR DONORS

UBC values the generosity of our supporters, and offers the following recognition programs:

Wesbrook Society

\$1,000 and above (annually)

Chancellor's Circle

\$25,000 - \$249,999 (lifetime)

President's Circle

\$250,000 and above (lifetime)

Heritage Circle

bequests and other planned gifts

In 2004/05, donors and guests joined us for the following events:

- A dinner at the Totem Park Ballroom, where student award recipients shared their UBC experiences
- A presentation by UBC biotechnology researcher Dr. Brett Finlay (Time Magazine's Medicine Man of the Year)
- A discussion with UBC political experts Dr. Colin Campbell, Dr. Richard Johnston and Dr. Paul Quirk on how decision-making south of the border affects Canada
- A tour of the Chan Centre and talks on how the Arts enrich our lives
- An evening of seasonal cheer at the UBC Bookstore
- Presentations on how the UBC Learning Exchange is making an impact in our community
- A tour and reception at the Museum of Anthropology, attended by the top 20 student scholarship winners

For more information on our recognition programs and events, please contact us.

Building Expertise in Specialized Surgery

Patricia and Kevin Huscroft have a strong personal commitment to ensuring that British Columbians have the resources they need right here at home. When their personal experience revealed a gap in medical expertise in BC, they moved quickly to help fill it. The Huscroft Fellowship in Endocrine Surgery allowed Dr. Nadine Caron, a resident in UBC's General Surgery Program, to study with Dr. Orlo Clark, a world-renowned endocrinology surgeon and research scientist in San Francisco, and bring that knowledge and experience back to BC.

A New Calf Research Barn

Thanks to a \$175,000 gift from WESTGEN, a leading cattle genetics company in Western Canada, to the Faculty of Land and Food Systems, a new calf research barn will be constructed this summer at UBC's Dairy Education and Research Centre in Agassiz. The Centre is currently replacing a number of old buildings leased from Agriculture and Agri-Food Canada. This generous donation will help the Centre construct a modern facility that will house calves and equipment for studies in calf behaviour, nutrition and welfare.

Donor Generosity Makes Awards Possible

Over the years, donors have generously funded scholarships, fellowships and bursaries for UBC students. This year, through new endowments and annual gifts, alumni, friends and associates have donated more than \$11 million to awards in areas ranging from Arts and Science to Commerce and Education. Last year, a record \$42.6 million was distributed to students from internally administered UBC awards. These awards assist students financially as they work toward their degrees, equipping them for the key roles they will play in our world.

UBC Development Office

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new Doppler radar weather system. It was one of her first hints that writing may figure largely in her future. She pursued the idea further and landed a placement with the Discovery Channel that the co-op program agreed to credit. "Initially, I thought it would be an internship. I was excited just to file for them, even. But I was able to take over a paid full-time position and ended up writing and producing segments for their daily news shows." She had to produce a finished tape every day by 5:00 pm. "I loved it, but it was the most hectic and stressful job I've ever done. I ran from the time I got there to 5:00 pm, and don't think I took a lunch break the whole time I was there. But now I have a demo tape I can show to prospective employers. For someone with no other journalism experience or specific training under my belt, that's amazing."

From there, Jehan went on a CTV placement applied for through the co-op office. She worked in the newsroom developing contacts for the evening news. The work wasn't science-based, which gave her another major insight. "I discovered that science is my passion, not journalism. Without the science, journalism just doesn't appeal. But the two combined is my true love."

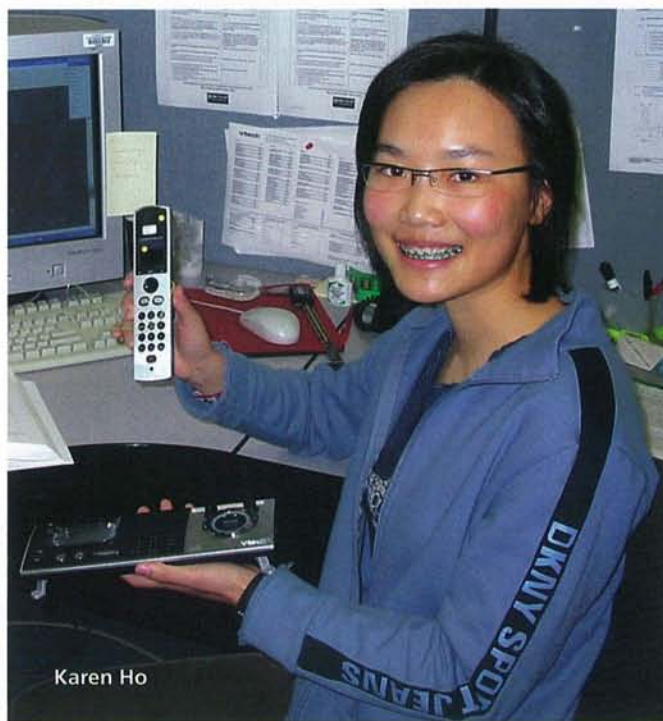
FORESTRY CO-OP STUDENT

Megan Harrison

Forestry Co-op student Megan Harrison is currently engaged in her final co-op work term as a forest ecology research assistant with Cascadia Forest Products. She has spent previous placements working in forest genetics and stream ecology labs at UBC, and with the Corporate Sustainability Group at BC Hydro.

"I've been able to sample a range of career areas within the environmental field," she says. As well as practical insights, participation in the co-op program has provided her with a valuable professional

I brought it to life and
made everything move.
With a small company you
get to see more of the whole
process and the design.



Karen Ho

network and an edge in her field of interest that will likely secure her better work terms earlier on in her career. "It's much easier to find employment in an environmental field than it was a decade ago, but a lot of the jobs are short-term contracts with a relatively low rate of pay. Co-op has given me access to employers who can offer stable future employment at competitive wages. In fact, my last two employers use co-op as their sole means of entry-level recruitment," says Harrison.

And of course, there is always the practical advantage of being paid. "I've avoided having to take student loans, which means that I'll have the freedom to travel, attend grad school or take the time to wait for that perfect job after I graduate," she says.

ENGINEERING CO-OP STUDENT

Karen Ho

Engineering Co-op student Karen Ho is in the Mechatronics option in the department of Mechanical Engineering and is interested in automation and control in manufacturing. She certainly doesn't feel anxious about finding work after she graduates.

"Co-op has really opened some doors for me. I'm pretty confident that I can represent myself well and I have the skills. The opportunities are out there," she says.

Her first placement was with a small company called Technology Brewing – an invention incubator helping inventors prototype their ideas. "It was a small, home-based company, so I got a taste of working as an independent engineer and seeing the small business side of it. I got to work with a lot of electronics and controls while helping to prototype an invention. I brought it to life and made everything move. We had a lot of responsibility and it was a big project. With a small company you get to see more of the whole process and the design. It was neat to see the reality of what engineers actually do."

Her current placement is showing her a different side of the industry. "VTech is a big company and I get to do more mechanical designs here. I enjoy seeing the big company culture and the management style that big companies have." Says Ho, who is taking a minor in Commerce. She's a big fan of the Co-op Program believing that it's a good thing to start applying knowledge while still at school. "It gives you more motivation to learn well at school, knowing that you have to use these skills at work. The responsibilities at work and school are different. At school what you do only translates to yourself, but at work it also involves the company, the money, the people around you – so you have a bigger responsibility." ■

Making the Earth Move!

A few years back, Professor Don Anderson of the University of British Columbia's Department of Civil Engineering realized that Vancouver was a logical site for the annual meeting of the World Conference on Earthquake Engineering (WCEE). With this in mind, he worked with colleagues to present a proposal for hosting this event – and in 2004, the WCEE came to B.C. for its first ever Canadian conference!

The energy and initiative of people like Professor Anderson benefit our province in many different ways. For one thing, the 2500 conference delegates left behind a legacy of over \$4.7 million in economic impact. But there's more; like so many events of this kind, the WCEE conference brought together global expertise to our community, and delivered it right to our doorstep. At the same time, it created a worldwide showcase for our own achievements in the area of seismic engineering.



We salute Professor Anderson and others like him whose efforts in bringing major events here benefit everyone in the community. We want them to know that their work is appreciated – and that we're here to support their initiatives in every way we can. If you have this kind of opportunity, give us a call – we'll be delighted to help make the earth move for you!



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Website www.vanconex.com



CHRONICLE

UBC opens Asia Pacific Regional Office in Hong Kong

See stories pages 39, 42

ALUMNI news

Alumni Reunion Weekend 2005: Come Back to UBC!

**FRIDAY SEPTEMBER 30 –
SUNDAY OCTOBER 2**

Whether you graduated last year or 50 years ago, mark your calendars and make plans to join us on Alumni Reunion Weekend for class reunions and much more. We have an amazing lineup of events and activities that will not only let you reconnect with old friends and classmates, but also give you a chance to see what's been happening around campus and help you get reacquainted with your alma mater.

Weekend Schedule at a Glance
General Events – all alumni & friends welcome

Friday September 30

In 1915, UBC opened its doors and admitted its first students. Help us celebrate UBC's 90th birthday.

- Noon BBQ at Cecil Green Park House for all alumni working on UBC Campus (hosted by Alumni Affairs)
- Evening lecture: Fighting the Microbial Menace – E.COLI and SARS Vaccine with Dr. Brett Finlay, 5:30-7:00 pm, Life Sciences Building
- Monte Carlo at the Mansion (casino night) 7:30-11:00 pm, Cecil Green Park House
- UBC Thunderbirds take on U of Calgary, 7:00 pm at T-bird Stadium

Saturday October 1

- Alumni Reunion Weekend Kick-Off Pancake Breakfast at Cecil Green Park House 10:00-11:30 am. Join returning classmates for a hosted pancake breakfast at Cecil Green Park house. Special welcome by President Martha Piper. Week-



After four years of hard work, it's time to give those feet a rest! New grads **Alana Golub** and **Katie Burnett**, both BAs in English Lit, reconnoiter on the Flaggpole Plaza after their convocation ceremony. This Spring, more than 5,000 new alumni celebrated their academic accomplishments in 22 separate ceremonies at the Chan Centre.

end information and registration.

- College Days, College Nights – documentary film following the lives of 16 UBC undergrads. Chan Centre for the Performing Arts, 3:00-4:30 pm. No cost.
- UBC's Amazing Race
Rediscover campus with this exciting on-foot, self-guided tour with informative checkpoints, zany challenges and great prizes. Noon-3:00 pm.
- Pit Night
With live band. Tickets \$10. 8:00-midnight.

Sunday, October 2

- Campus Tours – see how much the campus has changed since your last visit. And travel in style on a classic trolley ride. Two morning tours are scheduled to depart from Cecil Green Park House at 10:00 am and 11:30 am. Enjoy a morning coffee with an infamous UBC cinnamon bun, and then hop on board. Cost \$5 per person, must RSVP.
- Afternoon guided tour of the UBC Museum of Anthropology at 2:00 pm.

Information and to RSVP:

Young Alumni Events:

Dianna DeBlaere Ladicós, 604-822-8917,
yamentor@exchange.ubc.ca

All other events:

Kristin Sullivan, 604-822-1407
www.alumni.ubc.ca/reunions/general_events.html

WEEKEND CLASS REUNIONS

Friday

- UBC School of Social Work: 75th Anniversary Celebrations. Morning welcome at First Nations Long House followed by afternoon symposium and workshops with a dynamic line-up of alumni leaders – details and registration available at www.alumni.ubc/rsvp
- Geo Engineering '50: reunion luncheon at Seasons in the Park Restaurant
- SCARP: alumni evening social
- UBC Law: 60th Jubilee Celebrations at Curtis Law Building
- Medicine '80: reunion "Weepers Revisited" at MSAC

- **Social Work alumni:** wine & Cheese reception at Green College Reception rooms
- **BCOM '65:** reunion dinner at Royal Van Yacht Club
- **MBA '80:** details to be confirmed

Saturday

- **Arts & Science '55:** reunion lunch at Green College Great Hall
- **Applied Science '55:** reunion lunch & tour at ceme
- **Nursing All Years:** Luncheon at Cecil Green Park House with special guest speaker Laurel Brunke
- **Home Ec '55:** reunion lunch at Garden Pavilion UBC Botanical Gardens
- **Medicine '80:** reunion Dinner at Cecil Green Park House for 25th anniversary class
- **Law '75:** 30th reunion Dinner at University Centre, Sage restaurant
- **Dentistry:** New Oral Health Centre Hard Hat Party! We invite our alumni and friends to come and view the on-sight construction of the new Oral Health Centre. Drop in open house from noon-3:00 pm. Light refresh-

ments will be served. For details and to rsvp, please call 604-822-7993 or dentistry.rsvp@ubc.ca

- **MBA '80:** details to be confirmed

Sunday

- **UBC Alpha Delta Gamma:** 75th Anniversary lunch at Cecil Green Park House
- **Applied Science '75:** dinner at Cecil Green Park House
- **MBA '80:** (details to be confirmed)

For Information and to RSVP:

Applied Science: May Cordeiro, 604-822-9454, mcordeiro@apsc.ubc.ca
 School of Social Work: Suzanne Moore, 604-822-2277, suzanne.moore@ubc.ca
 Dentistry Hard Hat Party: Sue James, 604-822-0326, susannaj@interchange.ubc.ca
 All other events: Kristin Sullivan at 604-822-1407, (toll free) 800-883-3088, info@alumni.ubc.ca

YEAR-ROUND REUNIONS

Chinese Varsity Club 75th Anniversary Gala

September 9, 2005.

For information and to RSVP: Chinese Varsity Club: www.ubccvc.com/gala, gala@ubccvc.com

CLASS REUNIONS

Class of 1945 - Diamond Anniversary (details tbc)

FNS '95 (details tbc)

CIVIL ENG '51 (details tbc)

Applied Science Class '55, Sept 29/05, luncheon at Cecil Green Park House. For info, contact May Cordeiro, 604-822-9454, mcordeiro@apsc.ubc.ca

Chemical Eng '55, (details tbc)

Chemical Eng '65, June 24/25, (details tbc)

Mechanical Eng '70, Sept 23/05, dinner at Cecil Green Park House

Chemical Eng '80, (details tbc)

Mechanical Eng '55, Sept 29/05, Dinner at the Arbutus Club

Grad Studies

MA Planning '76-'78 (details tbc)

Nursing

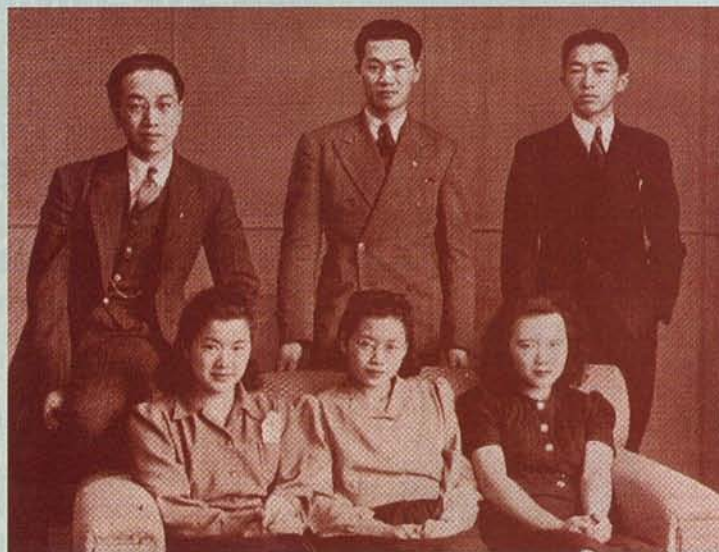
Nursing '60 (details tbc)

Chinese Varsity Club 75TH Anniversary Gala

THIS IS ONE OF THE EARLIEST PHOTOS of UBC's Chinese Varsity Club, then known as the Chinese Students Club. It was one of the first minority social clubs established at the university. Seventy five years and many generations later, the club is one of the largest, oldest and most popular on campus.

CVC is loyal to its roots but has grown and changed with the times. Today the club boasts a membership of more than 1,000 students and the volunteer executive hosts about 40 events per year, ranging from dances to ski trips, to charitable fundraisers and talent shows. These events attract participants from the entire community, reflecting a diverse range of cultures and backgrounds.

To celebrate its 75th anniversary, the club is hosting an anniversary gala in September. It will be both celebration and reunion, and the club's goal is to find and involve representatives from every year of CVC, reaching as far back into the club's history as possible. Anyone who has ever been touched by CVC is invited to attend this semi-formal, social dinner event on September 9, 2005. The gala will be held at the Sage Bistro at the University Centre on UBC Campus. Find out more and order tickets by visiting www.ubccvc.com/gala or emailing gala@ubccvc.com.



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*No purchase necessary. The contest is open to residents of Canada who have reached the age of majority where they reside. The approximate value of the prize is \$64,500. The contest runs from January 1 to December 31, 2005. In order to win, the entrant, selected at random, must correctly answer a mathematical skill-testing question. For more details on the contest, see the complete rules at melochemonnex.com/ubc.

ALUMNI news

Nursing '75 (details tbc)
 Commerce
 BCOM '00, (details tbc)
 Dentistry
 3rd Annual Alumni & Friends Golf Tourney
 Sept 14/05, University Golf Club, morning
 tee-off followed by lunch
 Forestry '55 (details tbc)
 Forestry '65, Sept 13-15/05, Qualicum
 Beach
 Forestry '71 (details tbc)
 Law '50 (details tbc)
 Law '55 (details tbc)
 Law '65 (details tbc)
 Law '80, Sept 24/05, Wine & Cheese with
 dinner to follow at Green College
 Medicine '60 (details tbc)
 Rehab Medicine '74 (details tbc)
 Rehab Medicine '80 (details tbc)
 Medicine '85 (details tbc)
 Medicine '95, Sept 16-18/05, Stoney Creek
 Complex, Whistler Village North
 Pharmacy '75 (details tbc)
 All other reunions: Kristin Sullivan at
 604-822-1407, (toll free) 800-883-3088,
 info@alumni.ubc.ca



Young Alumni Reunion Weekend!

September 30 ~ October 1

- Monte Carlo Night
- UBC Amazing Race
- Movies, lectures

www.alumni.ubc.ca/youngalumni

YOUNG ALUMNI

Mentoring Programs

Over the winter term, UBC alumni have been busy sharing their career insights and experiences with students on campus. In January, the UBC Alumni Association teamed up with the faculty of Arts and UBC Career Services to present the 5th Annual Arts Career Expo. More than 500 students came out to hear 20 UBC Arts Alumni speak about their career paths after leaving UBC.

In March, we revived our popular Mentor Lunches. Ten science graduates were invited to meet with students in a business luncheon setting. This exposed students to a number of careers choices and potential contacts, and taught them the importance of networking. Both mentoring events were extremely popular with the students.

School's out for summer, but we are busy planning our mentor events for the upcoming year. We want to expand our next Science Expo and are looking for science alumni to participate in the following panels: Biotechnology; The Business of Science; Government and Public Sector; Alternative Medicine; Environment and Research.

If you are working in any of these areas and are interested in participating in the event on November 9, please contact Dianna at dianna.deblaere@ubc.ca or 604-822-8917. We need working-age alumni in the Lower Mainland to help us with events. If you would like to be added to our roster of potential mentors, contact Dianna.

WHAT YOU'VE BEEN MISSING

The UBC Young Alumni Network wants to see you back on campus or at our next event. We've been as busy as ever and here is what you missed:

This spring we held our For the Love of Money Financial Workshop with the help of the UBC Alumni Association's affinity partner, ClearSight Wealth Management. How are you going to balance student loan payments and take advantage of the low interest rates to buy your first home,

continued page 36



SUBSCRIBE TO TREK MAGAZINE AND NEVER MISS AN ISSUE!

Trek Magazine comes out three times annually, but we can't afford to send it to every grad every time. We send smaller mailings (75,000 vs 160,000) to grads who have shown some interest in UBC through volunteer work, attending a reunion, class or lecture, donating money, or even by just phoning and telling us they want all three issues. Volunteer subscribers, of course, go to the top of the list.

If you would like to subscribe (\$50 would be swell, but you be the judge), call our offices, visit our website or send in the little form below. Don't miss an issue!

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Beer 101, as readers can imagine, is a popular Young Alumni event. Marko Dekovic, left, hosted a group in March. Tipplers learned how beer is made and how to pour the perfect Belgian pint. Education, it seems, can occur throughout life, or, as we say at UBC, Lifelong Learning rocks! (l-r) Sarah Sims, Jesse Sims, Farbod Mirhashemy, Kiat Trang, Terry Evans and Sara Danziger.

for example? These workshops are always informative and being a UBC alumnus, you get the scoop.

Sold out yet again, on March 31, we held our always classic Beer 101 beer tasting event at the Labatt Beer Institute here in Vancouver's spectacular Yaletown. Participants were taught how beer is made, how to pour the perfect Belgian pint, and of course got to taste the wares.

JUMP ON BOARD

Summer in the city just got better. This summer Young Alumni are getting fit, helping those in need, getting cultured and schmoozing with friends. Why not join in? Pick one or pick all, but don't miss out.

- Starting with getting fit, we are forming a team for the HSBC ChildRun (5KM), to raise money for the bc Children's Hospital. The Alumni Association will match all Young Alumni donations to a total of \$500.
- In conjunction with UBC's Learning Exchange in the Downtown Eastside we will be working on a special project starting June 11.
- Is Shakespeare a vague memory from English 110? How about a bit of Bard on the Beach? Hang out with other UBC grads, see the play (and we're hoping to arrange an extra treat for our group that day). To

continue our cultural education we're also planning a trip to the Vancouver Art Gallery. Keep an eye on our website.

- Schmooze Fest 2005 will be happening at Steamworks, where we plan to hold another of our popular networking nights.

YOUNG ALUMNI REUNION WEEKEND

Get your buns (cinnamon, that is) back on campus! Join us for Young Alumni Reunion Weekend and rediscover your university during the September 30 – October 1 weekend. All grads of the last 10 years and their friends are invited to check out YA events which include Monte Carlo Night at the Mansion, the UBC Amazing Race, a film-showing at the Chan, and many more unique and nostalgic events and tours. For more information, please visit our website at www.alumni.ubc.ca/youngalumni

REGIONAL NETWORKS NEWS

UBC Opens Asia Pacific Regional Summit in Hong Kong

UBC opened its Asia-Pacific Regional Office in May. The APRO heralds the first permanent and major Canadian university presence in the area, with a mandate to forge links and working relationships with the region's private, public and academic sectors. (See page 35 for more information).

Drop by the office or connect with Valerie Tse, Alumni Relations Manager for the Asia Pacific Region:

Room 906, Wheelock House
20 Peddar Street
Central
Hong Kong, sar
valerie.tse@apro.ubc.ca
852-2111-4400.

Where in the world are they?

UBC alumni live in more than 130 countries around the world. We have active regional networks in 50 locations where alumni can interact with fellow alumni, keep up-to-date on UBC developments, participate at social and business networking events, and meet visiting faculty and staff. If there isn't a network in your area, and you'd like to connect with your fellow grads, it's time you called, wrote or emailed us to start one where you live. There's a full list of contacts online at www.alumni.ubc.ca/regions.index.html.

New contacts:

Kelowna, BC
Contact Heidi Egli, LLB'03
hegli@olc.ubc.ca
Contact Heidi if you're interested in joining the Kelowna network committee and getting involved.

ALUMNI news

Milan, Italy
Amelia Spinelli, BA'02
ailema_s@hotmail.com
Tel: 3387561602

Toronto:

The Toronto Regional Network held its AGM on May 14. Members elected a new president, Steve McSherry, MBA'04, and social director, Michael McLenaghan, BA'03.

UPCOMING EVENTS

JUNE

Florida

Thursday, June 23 at 6:30 PM at Ole Ole, Fairbanks Avenue, Winter Park.
Network, reminisce and connect with fellow grads in the region

Toronto

All BC Universities Alumni Night at the CFL BC Lions vs Toronto Argonauts, June 25
Kickoff 7:00 PM at the Rogers Centre
Join alumni from UBC, UVic and SFU for this home opener and Grey Cup rematch. Take advantage of our special group discount. Visit our website for pre-game event and RSVP information.

Lan Kwai Fong (Hong Kong)

Canada Day Celebrations, June 30
Join more than 500 fellow Canadians at this festive celebration and UBC/U of T Dragon Boat after party.

JULY AND AUGUST

Victoria

All Canadian Universities Alumni Picnic
July 9, Noon - 3:00 PM at Beaver Lake Park
Join alumni from universities across Canada at this 3rd annual event! Costs only \$5 per family. Bring your own picnic, lawn chairs, sports equipment, bathing suit and towels. Dessert will be provided. Picnic starts at noon, but stay around afterward to take a walk, go for a swim, or chat with other alumni.

Visit the website for more details.

STUDENT SEND-OFFS

Ever wish you'd had someone to tell you about the ins and outs of university life? We need alumni to welcome our incoming students to the UBC community. Only those that have been there can answer those last nagging questions before they set off. Events will take place in:

Hong Kong ~ July 10

Singapore ~ July 22

Shanghai ~ July 24: All Canadian Universities Send-off, Jiao Tong University (Canadian Study Centre)

Other July Send-Offs

(Check website for dates)

Seattle

Bay Area

Calgary ~ Bow Valley Club, August 10

Toronto ~ August 11

Kelowna ~ August 15

Other August Send-Offs

(Check website for dates)

Victoria

Nanaimo

London, UK ~ September 28, Network Canada Alumni Night

Network Canada is a non-profit organization that supports Canadian ex-pats moving to or already living in London. The Alumni Night is one of their premier events for Canadian graduates - helping them to establish ties with the Canadian community in London.

Toronto ~ October 20, Arts alumni event hosted by the Faculty of Art

UBC guest speaker Joe Schlesinger, CM, DLIT'92, journalist and CBC correspondent
Contact the Faculty of Arts, Alumni & Events Coordinator at christine.lee@ubc.ca for updates on the time and venue.

Visit the Alumni Relations website at www.alumni.ubc.ca for the latest events in your area. Send us your email address to receive your e-invitations and your e-newsletter, the Grad Gazette. For more info, contact Tanya Walker at 604-822-8643 / 800-883-3088 / twalker@exchange.ubc.ca or Valerie Tse in the Asia Pacific Regional Office at 852-2111-4400 / valerie.tse@apro.ubc.ca.



11th Annual Alumni Achievement Awards Dinner

Thursday, November 3, 2005
Fairmont Waterfront Hotel,
Vancouver, BC

Master of Ceremonies

Peter Jackson

Alumni Award for Research in Science and Medicine

Pieter Rutter Cullus, BSc'67, MSc'70,
PhD'72

Alumni Award for Research in the Arts, Humanities and Social Sciences

Steven J. Heine, MA'93, PhD'96

Alumni Award of Distinction

Michael McClean Ames, BA'56

Blythe Eagles Volunteer Service Award

Catherine Ann Ebbehoj, BSN'75, MSN'99

Faculty Citation Community Service Award

Chuck Slonecker

Global Citizenship Award

Freddy Abnoui, BSc'01

Honorary Alumnus Award

Henry Syd Skinner
Robert T. Stewart

Lifetime Achievement Award

George Frederick Curtis, LLD'82

Outstanding Student Award

Claire Alexis Sheldon, MSc'99
Clara Chia Hua Tan, MSc'02

Outstanding Young Alumnus Award

Cullen Frishman Jennings, PhD'02

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IT'S THE EVENING OF JUNE 3, 2005, and we are sitting in the ballroom in the Marriott Hotel in central Hong Kong savouring a traditional ten-course Chinese banquet. Our assembly of 200 UBC alumni, faculty, students and staff, along with friends of the university from the Canadian consulate and various partner institutions greets each new dish with appropriate levels of awe and wonder. Then keynote speaker, David Patrick, UBC associate professor and Director of Epidemiology Services for the BC Centre for Disease Control stands up and begins his presentation.

Dr. Patrick is an authority on infectious diseases and draws on multiple disciplines to track, understand and, ultimately, prevent the spread of killers like SARS and E-COLI. Local alumni wanted to hear from a speaker on this topic, given Asia's recent public health challenges. In Hong Kong alone, millions of chickens have been slaughtered over the past few years to curb the spread of avian flu.

As our waiter sets down another incredible culinary feat, Dr. Patrick starts telling us about food-borne toxins. "Oh no," one of our diners muttered, "is he really beginning with E-COLI?"

Nervous laughter from the crowd, but Dr. Patrick is also a great presenter. He uses humour and anecdotes to illustrate his facts, and clearly, our banquet is exquisitely prepared. We eat, he talks, everyone's happy.

Before dinner, some of our senior UBC administrators – four deans and the VP Students – made presentations to enthusiastic groups about new developments in various parts of the university. Alumni and friends of UBC alike are all interested in the campus, the research and the people of their alma mater. The senior administrators were in

HONG KONG, THE REGIONAL SUMMIT AND DR. PATRICK'S DINNER-TIME LECTURE ON E-COLI

*or How I learned to stop worrying
and eat the eel. By Marie Earl*



Sandra and Anthony Cheng, MD'67, at the Alumni Summit

town for the opening of the UBC Asia-Pacific Regional Office, which will coordinate various Asian educational and industry partnerships with UBC, help recruit Asian students, and serve as UBC's main line of communication in the region.

The APR office will also help a group of a dozen or so grads dispersed around the Asia Pacific Rim who act as Regional Network contacts for alumni living in the region. These contacts are also in Hong Kong to celebrate the opening of the office and to attend the

Alumni Affairs Regional Summit to be held the next day. These regional contacts organize events designed to keep the Asian alumni community in touch with each other and with the university. The Summit will look at strategies for keeping the connections strong while being so far from campus.

After Dr. Patrick's presentation (and all plates were licked clean), Dr. Anthony Cheng, MD'67, a practicing otolaryngologist in Hong Kong is called to the stage. A long-time member of the Hong Kong Alumni Association board, he established and funded a small office to support UBC's Asian activities in the early 1990s. He is being honoured for his long-term dedication to UBC and for laying the groundwork for the APRO. The office is staffed by Valerie Tse, UBC's alumni relations manager for the region, and Dereck Wong, who will focus on fund-raising and be based out of both Singapore and Hong Kong. Still to be hired are a director for the regional office, a staff person focused on student exchange and co-op opportunities and student recruitment, along with an administrative staff support person.

Dr. Cheng, dignified as always, accepts his honour with grace and charm. The next day, when the business of the Alumni Summit gets underway, we remember why we're here: to carry on the work of leaders like Dr. Cheng, and build UBC in Asia.

We also remember the great food, Dr. Patrick's admonitions notwithstanding. ■

Marie Earl is Associate Vice President, Alumni, and Executive Director of the UBC Alumni Association.



The Benefits of Membership

The benefits begin with graduation

UBC grads organized this Alumni Association in 1917 as a way to stay in touch with friends and with the university. We've developed many programs and services over the years to help the process, and because we have nearly 200,000 members, we can offer group discounts on services and save you money. At the same time, you'll be supporting programs like these:



Reunions and Regional Networks

- 54 Reunions, with 4,100 alumni and guests attending
- 52 Regional Networks with 70+ world-wide events, and 2,000+ attendees

Mentoring and Young Alumni Programs

- 815 students attend mentoring events
- 50+ mentors helping current students
- 350+ alumni attend Young Alumni events

On-line community

- 4,375 UBC members, with 1,447 mentors system-wide

Services

Manulife: Term Life, Extended Health and Dental, and the new Critical Illness Plan. Manulife has served alumni for more than 20 years.



MBNA: More than 10,000 alumni and students are supporting alumni activities by using their UBC Alumni Mastercard. The card gives you low introductory rates, 24-hour customer support and no annual fees.



Meloche Monnex: Home and auto insurance with preferred group rates and features designed for our grads. Travel and micro-enterprise insurance also available.



NEW!

Clearsight Wealth Management: Our newest affinity partner offers full-service retirement planning with exceptional benefits: lower fees, professional advice and a wide selection of products. www.clearsight.ca/ubc



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The Museum of Anthropology

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UBC Bookstore

First-time A^{card} holders receive a 20% discount on selected merchandise.

Theatre at UBC

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New Zealand's North and South Islands

– December 2005

Trans Panama Canal Crystal Cruise

– February 2006

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E-mail: aluminfo@alumni.ubc.ca

www.alumni.ubc.ca

UBC ALUMNI ASSOCIATION BOARD OF DIRECTORS 2005 ~ 2006

At the Annual General Meeting of the UBC Alumni Association, held June 15, 2005, this year's Board of Directors was officially gavelled in. The Chair serves a two-year term in office, as does the Vice Chair, who automatically becomes Chair after two years.

Congratulations to our new Board.



Martin Ertl, Chair



Doug Robinson, Vice Chair



David Elliott, Treasurer

CHAIR

Martin Ertl, BSC'93

VICE-CHAIR

Doug Robinson, BCOM'71, LLB'72

TREASURER

David Elliott, BCOM'69

MEMBERS AT LARGE '05 - '06

Darlene Dean, BCOM'75, MBA'85

Gayle Stewart, BA'76

MEMBERS AT LARGE '05 - '07

Don Dalik, LLB'76

Ron Walsh, BA'70

MEMBERS AT LARGE '05 - '08

Raquel Hirsch, BA'80, MBA'83

Mark Mawhinney, BA'94

APPOINTMENTS '05 - '06

Marko Dekovic, BA'01

Paul Mitchell, BCOM'78, LLB'79

Ian Robertson, BSC'86, BA'88

Jim Rogers, BA'67, MBA

FACULTY REPRESENTATIVE '04 - '05

Richard Johnston, BA'70

AMS REPRESENTATIVE

Tim Spencer, AMS PRESIDENT

EXECUTIVE DIRECTOR

Marie Earl



Don Dalik, Member at Large



Darlene Dean, Member at Large



Raquel Hirsch, Member at Large



Mark Mawhinney, Member at Large



Gayle Stewart, Member at Large



Ron Walsh, Member at Large

Asia Pacific Regional Office Opens in Hong Kong

The UBC Alumni Association has had an office in Hong Kong since 1999, where there is a vibrant alumni network, but UBC's presence in the region was beefed up in May with the opening of the new Asia-Pacific Regional Office (APRO).

The APRO is the first permanent and major Canadian university office in the area, with a mandate to forge links and working relationships with the region's private, public and academic sectors.

UBC's presence in the region is also consistent with one of the university's fundamental governing principles: internationalization. It ties directly to the Trek 2010 concept of global citizenship. Students will have access to experiential- and service-oriented learning opportunities through the office.

The APRO also incorporates the Asia Pacific alumni network with contacts in 12 Asian countries, and will help develop and deliver programs and events to keep Asia Pacific alumni connected to each other and the university.

The APRO will collaborate with other educational institutions in the area via organizations such as Universitas 21 and the Association of Pacific Rim Universities.



APRO opening festivities included a banquet, talks by various deans, and an Alumni Regional Summit. Here are some of the participants: **1)** Valerie Tse, APRO manager of alumni affairs, Doris Lee, Mr. and Mrs. Tom Lee and Henry Lee. **2)** Martha Piper at the podium. **3)** Anthony Cheng gets the E.coli scoop from banquet speaker David Patrick. **4)** UBC BOG chair Brad Bennett with Martha Piper and Anthony Cheng, showing off the new APRO plaque. **5)** John Hepburn, Dean of Science, made a presentation to alumni.

class ACTS

50s

June Goldsmith BA'56, a major contributor to Vancouver's classical music scene, has received a lot of accolades lately. In March, she was presented with the Order of Canada in Ottawa; in April she learned she would be honoured with an Order of BC. She is founder and artistic director of *Music in the Morning*, a local classical music series with an educational element that helps people understand and appreciate classical music. The shows regularly sell out, and *Music in the Morning* has been able to support composers by commissioning works and exposing audiences to new music. She currently volunteers with a music program for cancer patients and is launching a new, family-oriented program at the Chan Centre. "For me this caps off our 20th anniversary season," says June. "It has been such a wonderful year of celebration and I am deeply honoured to have been recognized both provincially and nationally for the work I love to do."

60s

Douglas Graham BSC'69, MD'72, FASAM was awarded the Dr. David M. Bachop Gold Medal for Distinguished Medical Service by the BCMA "in recognition of his outstanding contribution to medicine in British Columbia, notably in the field of addiction medicine." The citation also says: "Dr. Graham's remarkable career has been highlighted by his extraordinary care of patients with addiction problems. He was a leader in the creation of the Physician's Support Program of BC, to assist medical colleagues and their families who were experiencing problems with physical or mental health or emotional crisis." ... Having



June Goldsmith
Founder of *Music in the Morning* and passionate supporter of classical music in Vancouver, Ms Goldsmith received the Order of Canada in March.

retired from the practice of law, **Robert MacKay BCOM'64** has just completed a three-and-a-half year term as the national president of the Duke of Edinburgh's Awards, Young Canadians Challenge. He is now the secretary of another charitable endeavour, the Sovereign Order of St. John, Victoria Commandery ... **Hugh Stephens BA'67** is senior VP, International Relations and Public Policy (Asia Pacific), for Time Warner Inc. Hugh reports that there are now three UBC folk working at the Policy Division of the company's Hong Kong headquarters: **Alvin Lee BA'90** is director of Public Policy and **Lisa Soderlund** is a policy analyst and a third year co-op student. They support the company's various operating divisions achieve business objectives through identification and analysis of policy issues, development of strategies to achieve policy objectives, and advocacy with governments and business associations in the region.

Hugh was formerly assistant deputy minister with the Department of Foreign Affairs and International Trade in Ottawa. He joined Time Warner in 2001.

70s

Larry Beasley MA'76 has been inducted into the Order of Canada. "Larry Beasley is recognized as an authority on urban development and urban issues," reads the citation. "A senior planner with the City of Vancouver, he has played a leading role in transforming its downtown core into a vibrant, liveable urban community. In doing so, he developed a participative and socially responsible approach to zoning, planning and design, which has become known internationally as the Vancouver Model. His advice on ways to reinvigorate the urban environment has been sought by municipalities

class ACTS

across Canada and by cities in the United States, China and New Zealand.” ... Peter Frinton BSC’72 was elected in December 2004 as councillor and municipal trustee (Islands Trust) in a municipal by-election. His term is for one year. Earlier that month, he lost his bid to become mayor by 51 votes. He says the by-election afforded an excellent opportunity to be back in the political realm. Between 2002 and 2004, he was a commissioner on the Bowen Island Parks and Recreation Commission ... Paul Harrison BSC’70 completed his PHD in Oceanography at Dalhousie University in 1974 and has been employed at UBC since 1975, most recently as associate dean of Science. Brenda Harrison PHD’81 (BSC’75, Dalhousie) also has a doctorate in Oceanography from UBC. Both their children are in BA programs at UBC – Julia in her third year of International Relations and Teddy in his second ... Lyall D. Knott BCOM’71,

LLB’72, LL.M., a senior partner in Vancouver law firm Clark Wilson LLP, has been appointed chair of the UBC Foundation. He has served as a director of the foundation since 2001. Its board includes UBC chancellor Allan McEachern, Donald Rix, Jim Eccott, and Mary Margaret Young ... In April, Michael P. Robinson LLB’78 received an Order of Canada, making him the third member of his family to be so honoured. He was recognized for his work to strengthen partnerships with Aboriginal peoples. Basil Robinson, Michael’s uncle, received the honour in 1991 for his work as a diplomat. Michael’s father, UBC Professor Emeritus Geoffrey Robinson, was appointed in 2001 having established provincial programs for children with disabilities. Basil and Geoffrey were both UBC Rhodes Scholars ... Shelley Tratch BCOM’79, LLB’80, former senior partner of Borden Ladner Gervais LLP and current PHSA and BC Film Board member, received the Lifetime Achievement Award from Vancouver mayor Larry Campbell at the Association of Women in Finance’s peak

Awards in May ... Robert G. Viens BMUS’77, MMUS married Carolyn Walljasper on February 14, 2005. They reside in Bellingham, wa, where Robert teaches private singing lessons, and directs and adjudicates music festivals.

80s

Michael Bjornson BA’67, BARCH’70 and Sherri Kajiwarra BCOM’84 own a contemporary art gallery in Kits. Bjornson Kajiwarra Gallery (www.TAG.bc.ca) was opened in April 2004 ... Arthur Ferrari BARC’83 has been elected president of Alberta Architects and Interior Designers. “The association regulates the practice of architecture in Alberta,” he explains. “Next year will be our 100th anniversary. For nearly a century, our members have helped shape our province and have added to the quality of life of its citizens. I will do my best to uphold these values and offer guidance to the association during my tenure as president” ... James Giles BA’80, MA’83 (Philosophy) announces

PERCY SALTZMAN BA’34

When Percy Saltzman went on air in September, 1952, on CBC-TV’s English broadcast, it was the first time a live person appeared on the screen. His weather show, thought likely too dull by programmers, became a hit that lasted 30 years. Many credit Saltzman for inventing the funny, engaging, rather odd persona weather reporters have been using on TV ever since. In his early weather shows, he had no technical gadgetry. He used only a chalk board and joked that his shtick was a stick of chalk. To signify the end of each performance, he’d toss the chalk into the air and catch it.

Born in Winnipeg, he and his family moved to Vancouver in 1925. After graduation he became a meteorologist with the federal government in 1943 and continued in that position until 1968, at the same time as he was becoming one of Canada’s best-known broadcasters. During the Second World War, he served as a meteorologist in the British Commonwealth Air Training Plan.

In 1947, he helped arrange weather programs for CBC radio. In 1948-49, he was part of the CKEY Toronto radio magazine

show Focus on 48. One of the documentaries he wrote and narrated was a review of Dr. Alfred Kinsey’s first book, *Sexual Behavior in the Human Male*. “I used all the polysyllabic provocative porno phraseology I could get away with,” he said. It won the Ohio State University Award for a radio documentary.

He worked on programs at both cbc and ctv in the 1970s and 1980s, working with the likes of Lloyd Robertson and Carole Taylor, with whom he co-hosted the first iteration of Canada AM.

He calculates that he did 6,000 shows during his career, including weather shows, political shows, evening shows, morning shows, news and interview programs and all manner and types of special TV shows. Included was a 26-show series on Canadian history.

He was also involved in charity work.

In 2002 HE was invested with the Order of Canada, and was the recipient of the Queen’s Golden Jubilee Medal.

In 2004, Percy Saltzman was inducted into the Canadian Association of Broadcasters Hall of Fame. — FROM CBC FILES

the publication of his new book *The Nature of Sexual Desire*. "This book presents an intercultural and experiential account of sexual desire along with new theories of gender, the sexual process, romantic love, and orientations in love. Here it is shown that sexual desire is an existential need, which has its roots in desires for vulnerability, care, and the experience of gender." For more information visit www.james-giles.com ... Douglas Gordon BA'82 is a producer for Wisconsin Public Radio's *To the Best of our Knowledge*. "It's a smart, entertaining audio magazine of ideas," says Doug. "Each hour focuses on a specific idea, issue or theme." Since 2000, Doug has produced shows on autism, existentialism, Canada, and ventriloquism. The show recently won a Peabody Award. "This is a tremendous honour for all of us who work on the show," he says. "I really enjoy working with such a great group of intelligent, supportive, talented people. As the only Canadian on staff, I've always done my part to make sure that we get some Can-Con on the show" ... Stephen Jolly, a Killam

Fellow at UBC 1987-1988 and former Canadian Commonwealth Scholar, is the new director of External Affairs and Communications at the University of Cambridge, England ... Bruna Martinuzzi BA'81, MA'86 was senior VP of Human Resources at PCsupport.com and is now the President of Clarion Enterprises Ltd., a Vancouver company specializing in leadership and emotional intelligence training. Emotional intelligence, or EQ (Emotional Quotient), is emerging as a critical factor in high performance at work and at school. EQ is the ability to know and manage one's emotions, to motivate oneself, to recognize emotions in others and to handle relationships. Research proves that our EQ is much

more important in predicting our level of success and satisfaction in life than our IQ. It's another way of being smart. More information on EQ can be found on Clarion's website: www.increaseyoureq.com ... Reverend Rhonda Leaffie Matthews BMUS'84 has been working at her first post as minister at Knox Presbyterian Church Port Alberni, on Vancouver Island ... David Vaisbord BA'84 has made another feature length documentary, *Drawing Out the Demons*. About the artist Richard Lukacs, the film had its Vancouver premiere at the Pacific Cinematheque on April 15, 2005. For more information, see: www.cinematheque.bc.ca/mar_apr_05/drawing_out_the_demons.html

Grad Stops Freight Train in Durango

While returning from a mineral exploration project for Orko Gold Corporation in Durango, Mexico, consulting geologist and Ben Whiting BSc'79, MSc'89 made a different kind of discovery. He noticed that a grass and brush fire, which had been burning earlier in the week, had reignited and that it was burning along the railway line. He knew that the tracks are usually not affected by grass fires, but wooden railway bridges are vulnerable. He cut off the highway to assess the situation and found the bridge at El Chorro engulfed in flames. After snapping a quick photo for proof, he spun his truck around and raced for the nearest telephone to alert authorities. They said that they would stop the next freight train until the situation could be assessed. As the bridge was totally destroyed, Ben's early warning may well have saved a derailment and the lives of several people on the train.



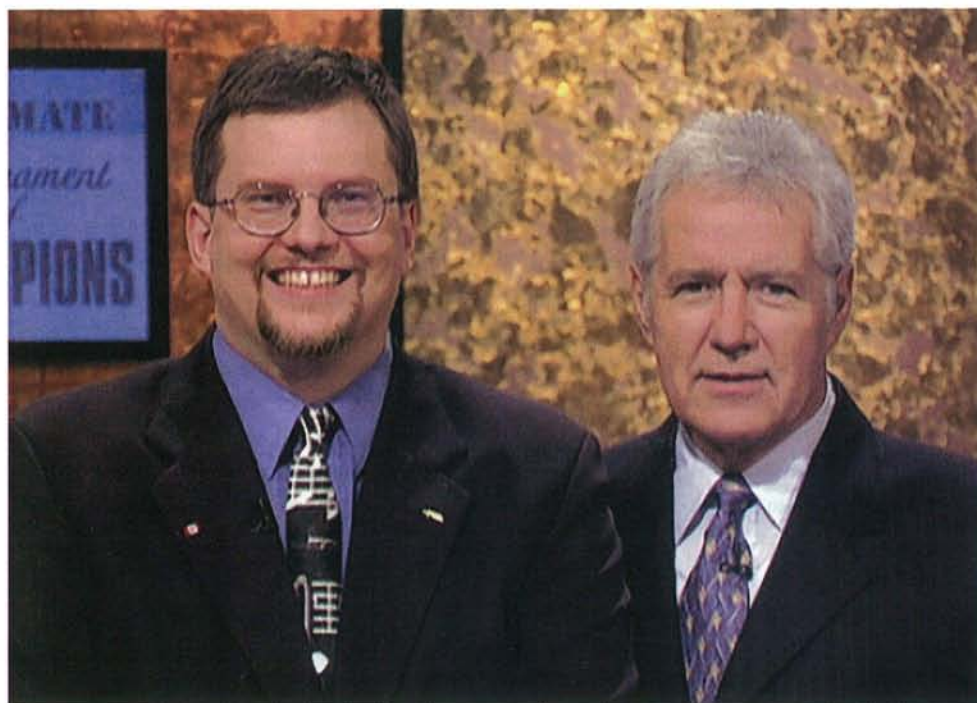
Pamela and Bernd Friedrich think so. Believing that education is the basis for so much of what can be accomplished in life, the Friedrichs have included a bequest in their will to endow a new premier undergraduate scholarship at UBC, providing opportunities for students of future generations. They have also designated funds for UBC's Michael Smith Biotechnology Laboratories.

With their respective educational backgrounds, supporting advances in the health sciences seemed a natural choice for the Friedrichs. "You should be excited about the work you choose to support," Pamela says.

To create a legacy that will make a difference to future students and dedicated researchers, contact UBC Gift & Estate Planning staff or ask for a free information kit.

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(above) **Robert Slaven:** Happy grins for \$1,000, please, Alex! (below) **Ken Wichert** MBA'97

90s

Colleen Hannah BPE'92, BED'97, MHK'99 and family are enjoying living in the Lower Mainland having recently moved back from Nanaimo. Colleen is serving her first year as district vice principal of Aboriginal Education in Mission ... Rosalin Hanna MHK'98 graduated in May from the University of Central Florida with an education doctorate degree, Curriculum & Instruction, specializing in Exercise Science. She has accepted a position at UBC's First Nations House of Learning as student services coordinator ... After five years as a freelancer, Benjamin Kwan BA'94 has started his own photography business, specializing in portraits and weddings (www.bkwanphotography.com) ... Andrea MacPherson BFA'99 married Stephen Donnelly in Colverdale, BC, on August 7, 2004 ... As a five-time *Jeopardy* champion (in 1992 he won \$53,202), Robert Slaven MBA'91 was recently invited to participate in *Jeopardy! Ultimate Tournament of Champions*, which started airing on February 9. He won his first two rounds (and brought his whole family down to California during the taping of the



GET 'EM YOUNG, GET 'EM FOR LIFE!

WHEN DOES 1989 PLUS 1991 PLUS 1999 EQUAL 2026? Allison Arato (Emanuel) BA(POLI SCI)'99 and husband Claudio Arato BSC(CHEM)'89, BASC(CHEM ENG)'91 have a one-year-old son, Tobias Arato, born March 2, 2004. "Hopefully *Trek Magazine* will inspire him to be part of the class of '26! ... and maybe a little influence from Mom and Dad!" says Allison.



second, "to do the whole Disneyland thing"), but lost in the third. Still – winnings of US\$66,202 are not to be sniffed at ... Ken Wichert MBA'97 has been named academic director of Northwood's international program centre at the American National College in Sri Lanka. He will also teach marketing and management courses. He has travelled extensively, and his experience teaching high school for four months in Ghana confirmed his desire to teach.

80s

Amy Kawai Yeung BCOM'00 obtained her MBA from the University of Northern Iowa with first-class standing ... Simon Beckow BHK'00 is working at a luxury auto boutique. If you're in the market for a new vehicle, he invites you to contact him and mention you're a UBC alumnus: sbeckow@autoone.ca ... Robyn Driedger-Klassen BA'00 sang the Countess in Seattle Opera's Young Artists production of Mozart's *Marriage of Figaro* in April. "My greatest influence at UBC was the head of the collaborative-piano department, Rena Sharon, who taught me to love art, song and the joys of discovering poetry and music," she says. Driedger-Klassen was one of only ten singers chosen from the 600 applicants to enter Seattle Opera's 2005 Young Artists Program ... Miranda Lam LLB'02 is proving a very worthy recipient of the UBC Alumni Association's 2002 Outstanding Student Award. Always active in the community, she has volunteered with organizations such as the bc Youth Parliament, Camp Phoenix, and the Law Courts Education Society. She served on the board of Volunteer Vancouver for a number of years and is now chair. She

Dear Editor:

I enjoy the new format and wider horizon of *Trek*, so many thanks. The mag is our wire to the old place. Recently I took my grandson on a tour after his graduation at Ritsumeikan APU in Japan, a sort of affiliate of UBC. This turned out to be some navigation project. Things have indeed expanded wildly since my own day.

Which brings me to the duty I've taken up on *Trek's* behalf. Once or twice a year I get together with some '40s grads, all of us of course in regular touch, pounding each other with emails. That's natural. We all were (some still are) active writers ... Bob Harlow, former head of UBC writing, one of BC's best and most prolific novelists, lives on Mayne Island and is making scratchy sounds on his keyboard again, working on (I think) a new novel ... Jim Jackson, a grad who taught at and became registrar at Western before retirement, now lives in Victoria. Last year he brought out a new and very witty novel, *Justin Fowles* ... George Robertson, like all of us members of Earle Birney's first uncredited writing group, and later mentored by him, wrote and produced for CBC TV for years. (George and I and Bob roomed in a great old house on Matthews Avenue in our final years at UBC; and George and I hooked up again at the National Film Board.) George is retired in West Vancouver where he has strung his ample rumpus room with every sort of

electronic communications device known to the modern world ... Daryl Duke, producer of a lot of TV shows that I wrote, in Toronto, New York and Los Angeles, and my business partner in starting up CKVU, recently received an honorary doctorate at Simon Fraser. Many will recognize his name from all the feature motion pictures, miniseries and TV dramas here and in the US that he directed. Daryl is retired and lives near Horseshoe Bay.

After busy days in the wide reaches of our business, I retired to Salt Spring Island, but recently came back to live in Richmond near children and grandchildren. Still do some screenplay consulting and even a bit of writing. In fact, an optimistic young producer thinks he will turn an old epic of mine into a film. Good luck to the excellent fellow in the narrow straits of Canadian filmhood these days.

Many thanks to you and the staff for your excellent work, and good luck. I look forward to all the old *UBYSSEYS* up in net archives soon. When touring campus with my grandson we dropped into pub office. Staff there were most courteous. They even dug out bound issues from 1947 and found an execrable old column of mine! The bound copies were frayed, gray, bent, and almost unrecognizable, rather like that gang of '40s miscreants I reported on above.

— **Norman Klenman**, BA'48

recently became board chair for the Youth Parliament of British Columbia Alumni Society. Having recently completed a judicial law clerkship at the Supreme Court of British Columbia she is now based at Davis & Company.

Business in Vancouver's 40 under 40
published January, 2005

Brenda Irwin MBA'99, director of Venture Capital for the Business Development Bank of Canada; Ryan Beedie MBA'93, president of The Beedie Group; Mark Holland BSC(AGR)'95, MSC'99, principal of Holland Barrs Planning Group Inc.; Claire Newell BA'92, owner and president of Jubilee Tours and Travel Ltd.; and Steve Hegyes BA'89, MFA'95, producer and principal of Bright Pictures Inc.; Bill Dobie, BA'00 President and CEO of Navarik Corp.

Alumni Alley Cats

Several UBC alumni are involved in *Alley Cats*, a Broadway-style musical comedy set in Vancouver. It was composed by Stephen Smith DMA'94, and written by B.K. Anderson BED'74 and K. E. Zemliya BA'83. *Alley Cats* tells the story of a community that comes together to fight the demolition of its block to make way for a giant coffee shop. The director is Michael Fera of Horse Raven Theatre. He and wife Tanja Dixon-Warren BFA'87 are co-producers. ■

Survey Sez

In January, the Alumni Association conducted a survey of our members to find out what they – you – feel about UBC. We asked questions about your undergraduate experience, how connected you feel to UBC, how well we do at getting UBC's message to you, etc., etc.

We were surprised by some answers, encouraged by some and discouraged by others. It certainly pointed out our weaknesses and strengths.

The survey was conducted over a two week period and involved responses from almost 1,400 alumni with undergraduate degrees.

- Satisfied with their undergrad experience at UBC _____ 95%
- Would strongly recommend UBC to prospective student _____ 82%
- Have visited UBC campus recently _____ 72%
- Feel a sense of belonging when visiting campus _____ 56%
- Have visited UBC website recently _____ 63%
- Important to stay in touch with classmates _____ 69%
- Feel UBC does excellent/good/fair good job of informing alumni about campus news _____ 91%
- Feel *Trek Magazine* keeps them informed about UBC _____ 72%
- Feel UBC does excellent/good/fair job of providing alumni events and activities _____ 85%
- Would like opportunities to maintain intellectual connection with UBC _____ 73%
- Would like help connecting with classmates _____ 69%

For more information on the alumni survey, visit our website.



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in MEMORIAM

In Memoriam notices are submitted by friends and family of the deceased. We try to print the notices in full, but we will edit for style and space. Please send In Memoriam notices to our offices by post or email. Photos can be originals or electronic, but e-photos must be scanned at 300 dpi. Low resolution photos cannot be used.

Jill Ackhurst BHE'68 on December 27, 2003 ... Leslie V. Arduini BSC'70 on October 25, 2003 ... Edward Batchelor BASC(GEOL)'66 ... Diana Cooper, Fine Arts librarian, died in the fall of 2004 ... T. S. Cochrane BASC(MINING)'50 ... Allen Clingman on March 27, 2005. He was a member of the faculty of Education for more than 30 years, retiring in 1992 as head of the Music Education program in Visual and Performing Arts in Education. He was an advocate of Community Music Education ... Donald Rankin BASC(MINERAL ENG)'39 ... M. R. Hegge BASC(GEOL)'66 ... Lyn Howes, one of the first ELI teachers in Continuing Studies, passed away in November, 2004 ... Charles Leitkie BSF'51 on Tuesday, April 5, 2005 ... D.H. Patrick BASC(CIVIL)'55 ... G.B. Ralston BASC(ELEC)'47 ... Rimhak Ree on January 9, 2005, a professor emeritus of Mathematics until retiring in 1987 ... Geography student

PEGGY ASHBY



and researcher Jared Stanley ... J. H. Swerdfefer BASC(CIVIL)'44 ... Violet Tams on Feb 7, 2005 ... W. J. C. Warren BASC(CIVIL)'40 ... Brian Unwin BASC(MECH)'68 ... D. J. Wedel BASC(CIVIL)'78.

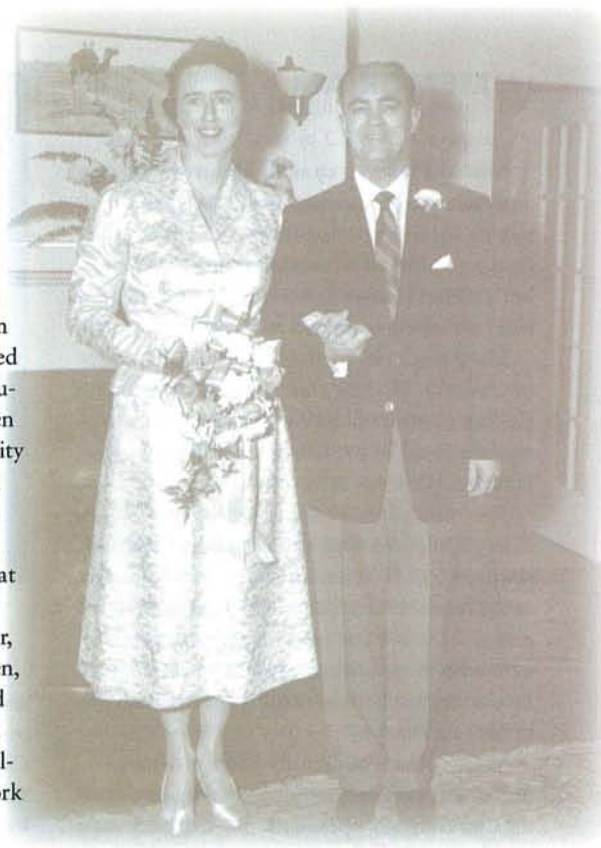
Peggy Ashby (Jones) BA'38

Peggy died quietly with her family present on January 27, 2005. She was born in England in 1916 and raised in BC. After UBC she returned to England and served with the RAF for the duration of WWII in the UK and Europe. She then returned to Canada and attended the University of Toronto, where she met and married Conn Ashby. Careers took them to Illinois, Alberta, Indiana, Nova Scotia and Ontario. Peggy retired as a psychometrist in Sudbury in 1981, at which time she and Conn moved to Victoria. Peggy is predeceased by Conn and her brother, Johnny. She is survived by children Fran Green, Patrick (Joanna), Heather (Tom Jackson), and Michèle (Tim Hinds); four grandchildren and sisters Lucille Martin (Johnny) and Gwen Holland. Peggy was a free spirit with a strong work ethic.

The Hon. Ronald Basford BA'55, LLB'56

Ron Basford has died of a heart attack, aged 72. Born in Winnipeg, he received his education in BC and went on to become one of the province's longest-serving federal cabinet ministers, holding several different posts throughout the late '60s and '70s. Professionally, he is perhaps best remembered for his involvement in the development of Granville Island. "When Mr. Basford took responsibility for urban affairs, Granville Island was a polluted industrial site and quite a disgrace to Vancouver," said the Hon. Jack Austin in a recent tribute. "He and his team had the vision, and he was capable of not only developing the vision, but of actually putting Granville Island together and into operation." As Minister of Consumer and Corporate Affairs he introduced legislation to control the price of drugs, the first minister to do so. He is also remembered as a key player in leading Canada's policy to eliminate capital punishment.

Prime Minister Paul Martin released a statement on February 1. "Ron Basford's political career began in the early 1960s, when the desire for social change and progressive policies was beginning to be felt across the land. His liberalism was strongly in touch with this changing mood. Canadians wanted to see their government do more to protect them – as consumers in the marketplace, as residents of livable and



DON AND MARY CLEVELAND

affordable cities, or as individuals having the same rights and equality as every other member of society. As a Minister of the Crown, Ron Basford played a key role in each of these areas."

Dr. E. M. Donald (Don) Cleveland BA'42, MA'51 and Mary Cleveland (Flanagan)

Don passed away peacefully on Monday, February 14, 2005, in Winnipeg, aged 86 years, rejoining his dear wife Mary who passed away January 18, 2005.

They will be lovingly remembered by their children, Anne (Richard Lindsay) of Winnipeg, Donald (Marian Walld) of Winnipeg and Catherine Cleveland (John Aveline) of Vancouver; grandchildren, Stephan, Andrew, Benjamin, Laura, Carl, Daphne and Laurel; sister-in-law Janet Flanagan (Victoria); as well as numerous nieces, nephews, relatives and friends. Don was predeceased by his parents, Donald (Dr.) and Annie; younger sister Margaret Josephine (Peggy-Jo) and brother-in-law Ivor O'Connell (all of Vancouver). Mary was predeceased by her parents, Stephen and Margaret; older brother Dr. Richard (Dick) Flanagan; sister-in-law Mary; and younger brother Edward Flanagan (all of Victoria).

in MEMORIAM

Don was born in 1918 in Montreal, Quebec and raised in Vancouver. After UBC, he attended McGill, where he earned a PhD in 1955. Don met Mary in Montreal, where they were both taking courses at McGill. They were married in Victoria in 1956.

Mary was born in 1921 in her family home in Oak Bay, BC. She graduated from Victoria College (University of Victoria) in 1942. Mary was the Head of the Lab at the Royal Jubilee Hospital, Victoria, from 1942-1955.

They moved to Winnipeg where Don became chief of Microbiology at Deer Lodge Hospital (Department of Veteran Affairs), and lectured at the Medical and Dental Colleges in Winnipeg. He was a compassionate, introspective man who loved science, art and literature. His favourite pastime was reading quietly with one of his cats nearby.

Mary was a wonderfully gifted woman; intelligent, talented, self-deprecating, unassuming and eternally optimistic. She had a limitless supply of charity, humour and faith in the ultimate goodness of her fellow human beings.

In memory of Mary and Don, donations may be made to Pregnancy Distress Service Inc. 571 Furby Street, Winnipeg, Manitoba R3B 2V9.

Patricia Anne Clugston BSC'81, MD'86
Patricia Anne Clugston, 46, died peacefully March 1, 2005, at Vancouver General Hospital in the loving company of her husband, friends and family. An extraordinary individual, Patty touched the lives of many different people. She was a plastic surgeon of enormous talent, who dedicated herself to the BC Breast Reconstruction Program that she initiated to improve the outcomes of post-mastectomy cancer patients. Upon graduating in Medicine, Patty interned at St. Paul's Hospital. She completed all of her plastic surgery residency training in Vancouver and followed it with a sub-specialty fellowship in breast reconstruction with Patrick Maxwell in Nashville, Tennessee. A competitive sports-woman, Patty was an accomplished skier, golfer and tennis player. Despite her great achievements, she remained even in her final hours a person of great humility. Her sharp wit, intellectual curiosity and pragmatism masked an incredible courage as she fought bravely against a cruel disease.

Patty is survived by husband, Stuart, parents Roy and Gladys Whittle, brother John and his wife, Linda, brother Richard and his wife, Gail,



PATTY CLUGSTON

brother Ron, sisters Lynn and Judith, brother-in-law Bob, stepson Bhreandain, stepdaughter Caitlin, and two Golden Retrievers, Molly and Bailey, who brought her so much joy during her long illness. Patty's sister, Jacquie Wismer, of Atlanta, Georgia, predeceased her in 2002. Beyond her immediate family, we know Patty was truly loved by her many nieces and nephews, close friends and loyal colleagues.

Contributions to the BC Breast Reconstruction program would be most appreciated so that Patty's hard work can be sustained by others. Cheques may be made out to: VGH & UBC

WILLIAM DENT



Hospital Foundation, In Memory of Dr. Patricia Clugston, c/o Foundation Office, Vancouver General Hospital, 855 W. 12th Avenue, Vancouver, BC V5Z 1M9.

William John Dent BSC(AGR)'58, MSC(AGR)'68
Bill is cherished in the hearts of his loving wife, Marilyn; daughters Karilyn McAuley (Ken), Dariel Suhan (Dave), Donna Trewin (Brad), son Laurie (Kathy), and grandchildren Amanda, Kirsten, Lindsay, Lachlan, Tarilyn, Lauryn, Morgan and Kelsey. He will also be remembered by his sister, Elizabeth Broughton, sister-in-law Mae Thompson, and numerous nieces and nephews.

Born in North Vancouver, Bill was raised in Squamish. He completed a five-year honours degree in Agriculture at UBC, during which he met and married Marilyn.

Bill worked for the Alberta Department of Agriculture as district agriculturalist, director, Plant Industry, and as assistant deputy minister, Field Services. These positions had Bill and his family living in Lacombe, Two Hills, Barrhead and Edmonton. In 1990, Bill accepted a position as president of the Saskatchewan Crop Insurance Corporation and resided in Melville, Saskatchewan, for two years.

Bill's special interests included music, the outdoors, hunting, hockey, travel and Canadian history. Friends and family will remember his laughter, sparkling eyes, physical presence, integrity and warmth.

Elsa Elizabeth Grandi BA65, BSW'66, MSW'70
Elsa was born on May 30, 1917, in Angermaland, Sweden. Her pre-school days were spent with few childhood companions, but a love of nature and animals filled those early years and stayed with her all her life. Elsa's mother, Agnes Sjoberg, died when Elsa was seven. Elsa had to leave her father, Olov, for much of the year to live with her maternal aunt in order to acquire an education.

When she was 18, Elsa joined the Pentecostal Church in Harnosand, Sweden, where she attended Bible School and worked with children and youth. What began as part time work soon became an eight-year, full time commitment. Gradually, Elsa became aware of a call to Mongolia, and attended missionary college. To collect money for her travel expenses, Elsa spoke in churches across the country, bicycling from place to place for weeks on end.

In 1947, Elsa and five colleagues left for Mongolia, traveling first by ship to New York, then by train to San Francisco, by boat to China, and by air to the border of Mongolia. At this time,

the Civil War between Chiang Kai Shek's army (the Nationalist Forces) and the Red Army was raging in many parts of China.

After a year spent learning the language, Elsa and her companions set out on camels to take the gospel to Mongolian families. They traveled from one home to the next, giving medical help, telling stories from the Gospels, and leaving portions of Scripture printed in the Mongolian language.

By the summer of 1949, the rapid advancement of the Communist armies caused the four missionaries to flee west to Szechwan. But the advancement continued causing some of the group to leave China. Elsa chose to stay with other missionaries to see if they could work under the new government. After 14 months, the coming persecution was evident and it was clear that the work of western missionaries was drawing to a close. Their last baptismal service was held in secret. No singing could be permitted and those who were baptized gave voice in whispers to their expressions of praise. Elsa recalled thinking that some of the church's martyrs were being prepared that day. But a positive result of the increasing pressure from the new rulers was that denominational walls between Christian missionaries began to crumble, and a new spirit of love and fellowship in Christ prevailed.

When Elsa returned to Sweden, she received many invitations to speak of her experiences. As she described the blessing experienced with the crumbling of denominational walls, she became aware of the growing unease of her denominationally-bound church. Lonely for China and feeling increasingly isolated, Elsa emigrated to Canada in 1954.

She worked as a stenographer for the Canadian Pacific Airlines for several years, then trained as a psychiatric nurse at Riverview Hospital near Vancouver (winning the award for the highest aggregate marks). Her training left Elsa with the realization that some of Riverview's long-term patients (40 years in some cases) might have been saved that ordeal had there been more community-based resources. With this in mind, Elsa earned a degree in Psychiatric Social Work, and served in that field until her retirement in 1981. She was also a field instructor for the UBC School of Social Work, a challenge she found to be very rewarding.

In 1967, Elsa met and married George Grandi. Widowed in 1991, Elsa became a member of St. Edward's Anglican Church, where she joined the choir. She was also a member of the Camps Farthest Out and between 1994 and

1997 helped organize camp outreach programs in BC. She was a member of the Order of St. Luke at St. Saviour's Pentecost and a member of the Anglican Fellowship of Prayer. For many years, Elsa held open house on Tuesday afternoons for prayer. Friends remember her gracious hospitality, her faithful prayer support, her generous supply of inspiring tapes and books, her love of music and her never-failing soft spot for their pets and hers. Elsa is survived by two step-daughters, Carol and Glenda, and by one nephew and one niece, Robert and Gull-Mari- anne in Sweden.

Edmund Heier BA'53, MA'55 PHD

Edmund Heier (Eddie) spent the bulk of his career as a professor of Slavic studies at the University of Waterloo. Former colleague Andrew Donskov described him as "One of the most distinguished and active scholars of Russian literature and comparative literary studies in our time." The quality of his scholarship brought him international renown.

Born to a German family in Russia in 1926, Eddie left for Canada when WWII broke out and went to stay with an uncle in Regina. He met wife Mary at UBC when studying for his master's. After their marriage in 1954, the couple moved to the States, where Eddie earned his doctorate. He joined the University of Waterloo during the institution's earliest years, and he became one of the founders of the Faculty of Arts and of the department of Germanic and Slavic studies. Eddie and Mary had two children, Arthur and Linda, who clearly remember the time Eddie was on sabbatical for a year and took the whole family on a cultural tour of Europe, Turkey and Russia.

Eddie established the first Canada-USSR academic exchange program in the midst of the Cold War. He was constantly sought for his expert advice, and his skills in teaching were recognized with an award in 1983, and the respect of his students. On his retirement in 1994, he attained distinguished professor emeritus status. He was a keen art collector, and loved to cook and socialize. His family cherish memories of an unusual and gregarious man with high standards, high expectations, and a zest for life.

Gabriele Helms PHD'96

Gabriele was born on May 15, 1966, in Dortmund, Germany, and died December 31, 2004, in Vancouver. She is survived by husband Bob Shore and daughter Hana Gabriele Helms-Shore, who was born at St. Paul's Hospital on December 29, 2004, parents Karl Heinz and

Marlies Helms of Holzwickede, Germany, brother Michael of Dortmund, and many friends and colleagues in Canada, Germany and around the world. Gabi received her Masters in English from the University of Cologne and her PhD at UBC in Canadian Literature. She taught in the department of English at SFU and recently realized her dream, becoming an assistant professor of English at UBC. Dr. Helm was an exceptional teacher and scholar, and made important contributions to the fields of Life Writing and Canadian Literature.

Gabi found great comfort and friendship as a member of a support group through the BC Cancer Agency and her relationships there inspired her to lead the organization of a groundbreaking national event: **The Young and the Breastless: A Networking Event for Young Women with Breast Cancer**. Held at UBC in May, 2004, this event was the first of its kind in the country and drew participants from across Canada. Gabi was also on the board of directors for The Canadian Breast Cancer Network based in Ottawa. Her family thanks the caring nurses and doctors at St. Paul's Hospital and the BC Cancer Agency, especially Drs. Roberta Pauls and Cicely Bryce.

Gabi always thought of others first, and ultimately chose her daughter's life over her own. Breast cancer took her far too early and she will be profoundly missed. Donations in Gabi's memory may be made to the bc Cancer Agency.

Joseph Anthony Hinke

Joseph Hinke died on the last day of 2004 after a long struggle with lung cancer. He was a native Vancouverite. Always inventive, innovative and a natural problem solver, he was delighted to do the science he loved. A graduate of the medical school, he interned at the Royal Victoria Hospital in Montreal and then spent two years of study and research in England, where he invented a sodium-sensitive and a potassium-sensitive glass microelectrode. He taught and researched in UBC's Anatomy department for 16 years before chairing the department of Anatomy at the University of Ottawa.

From university life, his second career began when he co-founded Thermal Energy International Inc. with his son, Tom, in 1991 and became VP of research when the company went public. He was the primary inventor of the company's patented air pollution control technology. Over the past 10 years his scientific and engineering work was key to the development of a cost-effective remedy for the reduction of air pollution emissions from smoke stacks

in MEMORIAM

and the prevention of harmful smog containing heavy metals. His ultimate retirement took him back home to his beautiful West Coast and boating aboard *The Good Life* – always a challenge and adventure.

Jo died at his home in Comox in the company of his family. He is survived by the family he always had humour and time for: wife Liz, sons Joe, Tom and Jeremy and their wives Barb Cornish, Elena Shulkov and Christine Hinke, grandchildren Matti and Lisa Lake-Hinke, Dante deCaria-Hinke, Daniel Hinke, Tamaya, Brianna and Savannah Hinke, sisters Mary Kidd and Dorry Lusher, and brothers-in-law Dick Kidd and Irving Lusher. Memorial donations may be made to Doctors Without Borders, 2200 Yonge Street, 8th Floor, PO Box 31360 STN BRM B, Toronto, ON, M7Y 1E6.

Charles Robert James BSC'65

Charles died on January 24, 2003, of a brain tumor. After 32 short days Chuck passed away peacefully in his sleep at Sault Ste. Marie, Ontario. He was 60 years of age and is survived by his sister, Marie E. Lonergan.

Benjamin Morgan Lawson BSC(AGR)'49
Born October 25, 1913, Benjamin Morgan

JOSEPH HINKE



Lawson passed away in Vancouver on December 29, 2004, predeceased by his wife Eileen Sara (Sally). He is lovingly remembered by children, Frances, Jim (wife Anne, children Alina and Kiara), Sandy (wife Bev, children Julene, Lisa and Teri Lynn), close relatives Ben and Gaye Archibald and family, his brother-in-law Harry Morrow and family, sister-in-law Jean Morrow, family friend Jan Anderson, plus many relatives in Northern Ireland, BC, and Ontario.

Ben grew up in Kitsilano. He met Sally at Pat Bay while serving in the RCAF during WWII. After the war Ben earned his Bachelor of Science degree in Agriculture and then spent his career working for our federal government's department of Agriculture. Ben always enjoyed gatherings with family, friends, neighbours, and relatives as well as playing golf and bridge. A memorial service was held at Dunbar Heights United Church on Wednesday January 5, 2005, to celebrate Ben's wonderful life.

Mary Ann Teresa MacKinnon BSN'83 MSN'00

Mary Ann was born September 4, 1958, in Vancouver and passed away peacefully on April 15, 2005, surrounded by family and friends in the warmth and comfort of her home. She met the challenges of cancer with acceptance, faith and grace, and without complaint. She welcomed the care and prayers that she received with gratitude. Mary Ann was a highly skilled and respected nurse at St. Paul's Hospital since 1983. Her service included the roles of staff nurse in the Coronary Care Unit, and clinical nurse leader (as well as nurse educator) in the Intensive Care Unit. She valued education, achieving her Bachelor and Masters in Nursing from UBC and becoming the first graduate of the Advanced Diploma in the Health Science Program at BCIT.

As a nurse Mary Ann inspired her colleagues with her respectful interpersonal skills, clinical knowledge and the talent to apply these skills to help ease the suffering of her patients. She understood the important role of the family in a patient's experience in the health care system and was a true patient advocate. The gifts of service she shared with St. Paul's Hospital were returned to her as a patient at St. Paul's, where she was given care and love from her doctors, nurses and spiritual workers. She was a source of strength and support for her own family and always cherished the times spent with her parents, siblings, nieces and nephews. Her amazing circle of long-time friends was an inspiration and they were there for her when she really needed them.



BENJAMIN LAWSON

When Mary Ann came home she was blessed with the support of the Vancouver Coastal Health Home Hospice Program that helped give her the dignity of being in her own home and able to have frequent and enjoyable visits from her supportive friends, family and priest. Mary Ann will be deeply missed by her family: sister Rose Marie, brother Joseph (Gabriella), nieces and nephews Michael, Laura, Timothy, David, John and Dianna, and numerous cousins, aunts, and uncles.

Mary Ann loved children and education. Memorial donations may be made to her former elementary school, Our Lady of Perpetual Help School, to help rebuild it after the recent fire. To sign the online memorial, please visit www.kearneyfs.com

Ann Liisa McCutcheon, BA'91

Ann passed away Sunday, February 6, 2005 after a valiantly fought battle with cancer. Born February 19, 1968, beloved daughter of Dave and Irene, she will be deeply missed by her brothers George (and Ingrid), Matt (and Cathy), Tim (and Kelly), her nephews Gabriel, Carmine, Northrop, Keihgan, Luke, her niece Hannah, relatives in Canada, the US and Fin-

land, and her friends and colleagues.

Ann inspired all who know her with her courage, optimism, humour, love and grace. She never gave up, and she encouraged this same positive attitude from those around her.

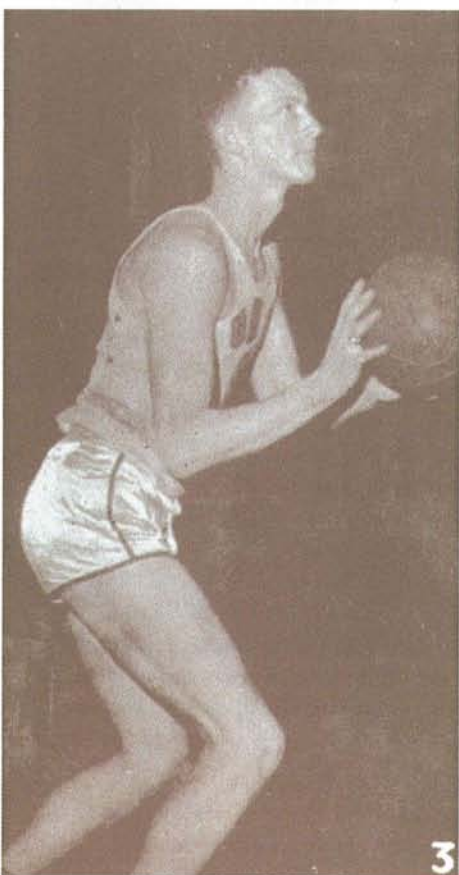
While a student at UBC, she was active in sorority life, and served as president of *Alpha Delta Pi*. In 1999, she joined the Credential and Ethical Funds family. She devoted herself to her job and to the people she worked with as Client Relations Manager. She was a leader and friend to many.

Ann was a lifelong lover of the arts. In her youth, she read voraciously and took piano and ballet lessons. As a young adult, she performed in musicals and loved to travel. She was a brilliant writer and lent her angelic soprano voice to the Gallery Singers, an early music choir.

Ann will be fondly remembered for her stylish shoes and matching handbags, and for her deep affection for chocolate. On a Sunday afternoon she could be found walking the seawall with friends or strolling through Granville Island.

Among her many volunteer activities, Ann enlisted friends and colleagues to run in the Canadian Cancer Society's annual Relay for Life. "Annie's Banannies" was the top fundraising team in 2004, with a contribution of more than \$22,000. Four "Banannies" teams from

SANDY ROBERTSON



Credential and Ethical Funds ran in this year's Relay for Life in memory of Ann.

Ann was also an active member of the UBC Alumni Association. She chaired the Divisions Committee and the Pan Hellenic society in the early 1990s, and was a Member at Large for the Association. She enjoyed being a mentor to senior students, and spoke at "Beyond the BA" sessions, helping students understand that there was life after university.

Though tears of sadness flow today, Ann's memory will endure in the hearts of those who knew her. Her contagious smile and her zest for life will continue to inspire us to live our lives to the fullest and to express our affection for each other. That will be her legacy. Truly, the world has lost one of the best.

In memory of Ann, family and friends are establishing an award at UBC. Call Michelle Messinger at the UBC Development Office, 604.822.8904. To register donations for Annie's relay teams, visit online at www.bc.cancer.ca.

Leonard Roy McLellan BASC'43

Len was born in Vancouver on August 15, 1920, a seventh generation Canadian. He died on January 15, 2005. He was predeceased by brother Gilmore, BASC'36 in 2003, and is survived by wife Ruth (McCallum), daughters Susan (Ray) Sewell and Sally (Ken) Ball, and sons David and Alan (Barbara), six grandchildren and two great-grandchildren, as well as a brother, Robert, BA'38 of Richmond.

Len attended Magee High School and UBC, and then served in the navy as electrical officer on a corvette from 1943 to 1945. The following year he joined the engineering staff of the City of Vancouver as Street Lighting and Utilities Engineer.

Len and Ruth had their home built on West 63rd Avenue and lived there for 56 years. They were active members of Ryerson United Church, where Len was Mr. Fix-It and a long-time choir member and elder. The family traveled across the country in a trailer and had a cottage in the Cariboo. Both before and after retirement, Len and Ruth enjoyed hiking, swimming, gardening, several Elderhostel outings and the many cultural activities of the city. A gentle, giving man, without guile, Leonard will be greatly missed and ever remembered by those in his profession, his church community and his family.

George Radford

Respected gardener, George Radford, who oversaw the gardens at Government House, died of a heart attack recently, aged 73. He left his spade



ANN MCCUTCHEON

to Lieutenant Governor Iola Campagnola, who said at a reception in Radford's honour: "He was our most learned and distinguished garden-guide, a man with a clear horticultural vision, born of years of intensive study, travel and practical application."

Born in Saskatchewan but raised in Ireland before returning to Canada. George showed an early fascination with plants and his obsession never waned. He "could never get enough of gardens," says Ron Rule, head of the Certificate of Garden Design Program at UBC who often accompanied George on garden tours of England. "He'd go out with flashlights in taxicabs in the dark." His expansive knowledge of horticulture and its history astounded many. "The only person I ever met with equal abilities was Graham Stuart Thomas, who just died in England," says Rule. "Of all the gardeners I ever met in BC, George was the most knowledgeable about design and horticulture. He was in a category of his own; no one even comes close."

Charles Bennett (Chuck) Ready BA'50

in MEMORIAM

Chuck died on June 2, 2004, after a valiant battle with Mantle Cell Lymphoma, surrounded by his family: wife Nancy Grant Ready, daughters Elizabeth, Casey, Jennifer, Gillian, and Margot, their partners, and Chuck's grandchildren.

Born in London, England, on March 18, 1929, Chuck moved with his family first to Montreal, where he graduated from Loyola College, and then to Vancouver. At UBC, Chuck was a member of the Newman Club, *Sigma Chi*, and an avid alpine skier. After UBC, he became a banker, spending most of his career with the former Federal Business Development Bank, now the Business Development Bank of Canada. Chuck and family moved frequently all across Canada, from Vancouver to Comox, Victoria, Montreal, Thunder Bay London, and Toronto.

Upon retirement, Chuck and Nancy returned to Vancouver where he turned his talent and passion for home renovation into a business, becoming the "Boulevard Handyman," renowned throughout Kerrisdale and Shaughnessy for his impeccable work.

Chuck was a devoted husband and father whose life was dedicated to his wife and daughters. His intellect and wit are sadly missed by all who knew and loved him.

Edward Alistair (Sandy) Robertson BASC'46
On April 3, 2005, the era of one of the greatest athletes to ever wear the Blue & Gold, came to a close. Sandy Robertson, record-setting UBC basketball star, Thunderbird soccer player, professional baseball pitcher and champion squash player, passed away at his home in Vancouver, aged 82.

During the early and mid 1940s Robertson set new scoring records while playing on some of UBC's best-ever basketball teams. The engineering graduate then embarked upon a pro baseball career as a pitcher with the Boston Red Sox, later reaching Triple A with the Durham Bulls and setting a team record for consecutive victories with the Vancouver Capilanos. He also starred on five more Canadian champion basketball teams with the Vancouver Cloverleafs. He was an exceptionally talented all-rounder and was inducted into the BC Sports Hall as such in 1971.

Robertson worked as a consulting civil engineer for 50 years forming his own company, RKTG, with three partners in 1955. His son

Bruce, was also a UBC graduate and gained international acclaim as an Olympic swimmer. Sandy, a lifelong Vancouverite and active over the years on many local boards and committees, was an inaugural inductee into UBC's Sports Hall of Fame in 1993. He was the beloved husband for 55 years of Mary Patricia Crowe, the loving father of Barbara, Bruce and Carolyn, and is also survived by four grandchildren (Melissa, Sarah, Alexander and Megan), two brothers (Waddy and Murray), two sisters (Lucille and Jean) and numerous nephews and nieces. He is predeceased by his parents (Alexander and Lucy) and two sisters (Maisie and Betty).

Kenneth Norman Scott BASC'(ELEC ENG)'52
Ken quietly passed away in his sleep at St. Joseph's Auxilliary Hospital, Edmonton, on December 10, 2004. Ken was born in Victoria to Margaret (Anderson) and Robert Scott on September 25, 1928. He attended Mount View High School before UBC. He married Mary Bury in Kelowna, BC, the same year he completed his studies. They had four children: Norman of Toronto, Debbie in Burlington, Kathryn (Mogens Albrecht) in New Sarepta, and Ross (Karen Taylor) of Hamilton. He also leaves a sister, Jane Muir of Victoria. He was predeceased by his brother, Donald, in June 2004.

Ken worked for CIL and the Federal Department of Transport. During the course of his work he visited every airport in Canada, and eventually became project manager at Toronto International Airport (Pearson). Ken retired in 1985. He was an avid model railroader and a life member of the Brampton Horticultural Society and the Chinguacousy Garden Club.

Ken lived for 33 years with Parkinson's – always in good humour and with courage. He enjoyed life right to the end, having just returned from a cruise to Hawaii with his wife and family members.

His family wishes to thank all those who have helped in making Ken's life more fulfilled, including friends, clergy, and staff at the Capital Health Care facilities in Sherwood Park and Edmonton. Memorial donations may be made to the Adult Support Group, 12 Bower Drive, Sherwood Park, AB T8H 1V3.

George Raymond Slade BA'51, BED'58
On February 25, a beloved husband, father, and grandfather went home to be with the Lord. Born January 23, 1925, in a house on Southeast Marine Drive in what was then

South Vancouver, George is survived by his sisters Jean Corbett and Delma (Ben) Kopp and their families, his wife Edna-May, and his children Rob (Gloria), Greg, George (Lynn), Bronwyn, and Gwyneth (Oliver), his grandchildren, Spencer and Kirsten Slade and Benjamin and Matias Ebelt, and predeceased by his daughter Fiona.

George worked for the Vancouver School Board, retiring as an elementary school principal in 1988. After being made a vice-principal, he returned to school himself, earning a Master of Education degree. Ray was a pioneer in the use of computers in elementary school administration, and championed the use of computers, both in the school office and in the classroom, before they became fashionable. He served in First Baptist Church, Keats Island Baptist Camp, and the Baptist Union of Western Canada, and after his retirement, worked in Ukraine, Belarus, and Croatia with the International Schools Project and Canadian Baptist Volunteers. Ray lived an extraordinary life, but he will be remembered as a man who loved God and his family, and who demonstrated selflessness, character, compassion, wisdom, and faith. Memorial donations may be made to the Victorian Order of Nurses, or to First Baptist Church for the Croatia fund.

M. Patrick Sweeney BASC'43, SCD
Beloved husband, author, researcher and university professor, Patrick Sweeney entered into eternal life at his home on March 20, 2005. He leaves to cherish his memory his loving wife Zsuzsa and his son, David. He is also survived by a brother, sister. His ashes were laid to rest with full military honours in Arlington National Cemetery. Patrick Sweeney was a man of determination and this is his story, as told by his widow, Zsuzsa Vargane:

"My roots go back to Ireland. My mother's grandparents came to the New World to introduce the new technology of making paper and established the first paper mill in North America, in Ocean Falls, Canada. My father, who was also Irish, had strict disciplines and made me, my brother and sister work really hard.

In my fourth grade of elementary school, my (exceptional) teacher, Miss Long, made me stay after school, and repetitiously make 15 water color designs in order to prove to me that I could do better than the sloppy work before. It worked in proving to me the pride of properly sound accomplishment.

Previously, I had ranked tenth, after that I consistently ranked first. After a few months in the fifth grade, I was skipped to the sixth, still ranking first. That skipping was repeated the next year (still ranking first) finishing high school (grade 12) at age 15, and receiving scholarship to university.

I became intimately familiar with the workings of the large pulp and paper mill. I started learning organic chemistry on my own (age 12) and took the evening technical course on pulp and paper-making (age 13). I also worked in the town's movie theater (age 11-15) or long-shored, pushing a hand truck (age 14-15). Frequently, during my early years, when asking an adult why this or that, he or she would reply, "Son, you have a lot to learn!" without further answering the question, so I quit asking and learned on my own. I've been learning ever since.

Publications: 5 Patents, and 11 co-authored technical papers; Proprietary Confidential Reports: On Methanol, Desalination, and Aquaculture; Manuscripts: "We the (Real) People" (political economy); "The Nutritional Encyclopedia and Biomedical Glossary"; "Modern Nutrition" (condensed edition).



PATRICK SWEENEY

Stephen C. Thorson BSC(MED), MD, FRCP(C)
Stephen passed away peacefully on February 1, 2005, in Saanich Peninsula Hospital. He is survived by his loving wife, Dorothy, daughters Kristin (Maurice) Vignal of Prince George and Lisa Thorson of Vancouver, son, Stephen Thorson of Toronto; grandchildren Geoffrey and Kathleen, and great-granddaughter, Makenna.

Stephen was born in Winnipeg on January 5, 1925, to Ada and Charles Thorson. (Charles was a noted cartoonist and illustrator.) In 1936 Stephen moved to Los Angeles and attended Elsinore Naval Academy and Hollywood High School. He returned to Canada in 1943 to join the RCAF, receiving his wings and a commission, but WWII ended before he could put his training into use.

Immediately after the war, Stephen enrolled in the pre-medicine program at the University of Manitoba. While at university, he married Mary (Molly) Louise Griffiths of Saskatoon, who passed away on June 4, 1983. In 1952 he obtained his medical degree and entered private practice in Surrey. In addition, he held the post of Chief of Medical Staff at the Surrey Memorial Hospital from 1961 to 1962.

He spent the years between 1962 and 1965 as a resident in endocrinology at the Mayo Clinic in Minnesota. He then moved back to the West Coast to join VGH as chief resident, becoming a Fellow of the Royal College of Physicians of Canada in 1967. He subsequently accepted a teaching appointment with UBC's faculty of Medicine in 1969, becoming associate professor in 1973.

Stephen also had a clinical practice in endocrinology at VGH and did several years of research in thyroid function, with a particular interest in developing methods of thyroid carcinoma management. Failing eyesight forced him into an early retirement in 1990.

Stephen was an avid yachtsman, spending his summers cruising the coastal waters either under sail or by powerboat, and traveling as far as Alaska. He was also an enthusiastic gardener, an accomplished artist, and a keen scholar of European history. He had an abiding interest in his Viking ancestry.

Rubina Wong BA'01

Rubina died when the tsunami swept Indonesia, Dec. 26, 2004. She was a fun-loving, kind-hearted woman with a zest for travel. This photo was taken on Christmas Day, 2004.



RUBINA WONG

Paul Maurice Wood BA'72, BED'73

Born in Trail, BC, on November 19, 1945, Paul passed away peacefully in Nelson on February 3, 2005. Predeceased by his parents, John and Margaret Wood, Paul leaves his loving wife, Leah, daughters Michele Konschuh, Misty (Paul) Terpstra, Chelsey (Jim) McAllister and step-son Brant (Margaret) Gray. After UBC, Paul started his teaching career in Cassiar, and later moved on to Christina Lake and Grand Forks. Paul loved his career and he made it his life's work to improve the lives not only of his students, but also of the teaching colleagues with whom he worked. For many years, in addition to teaching full-time, Paul happily volunteered his time through his involvement with the British Columbia Teachers' Federation.

Many of his early teaching years were spent on teacher bargaining committees, and he served as president of the Grand Forks Teachers Association for several years. For the last 15 years of his career, he was a member of the Provincial Intermediate Teachers Association Executive, spending several years as president.

Paul loved to travel and he and Leah took many wonderful trips before he succumbed to mesothelioma. He also loved to fish and was never happier than when he had caught a large salmon or halibut or was just spending a lazy afternoon fishing in a mountain stream. Paul was a kind and gentle man who loved his family and friends. He touched many lives, and will be sadly missed. ■

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