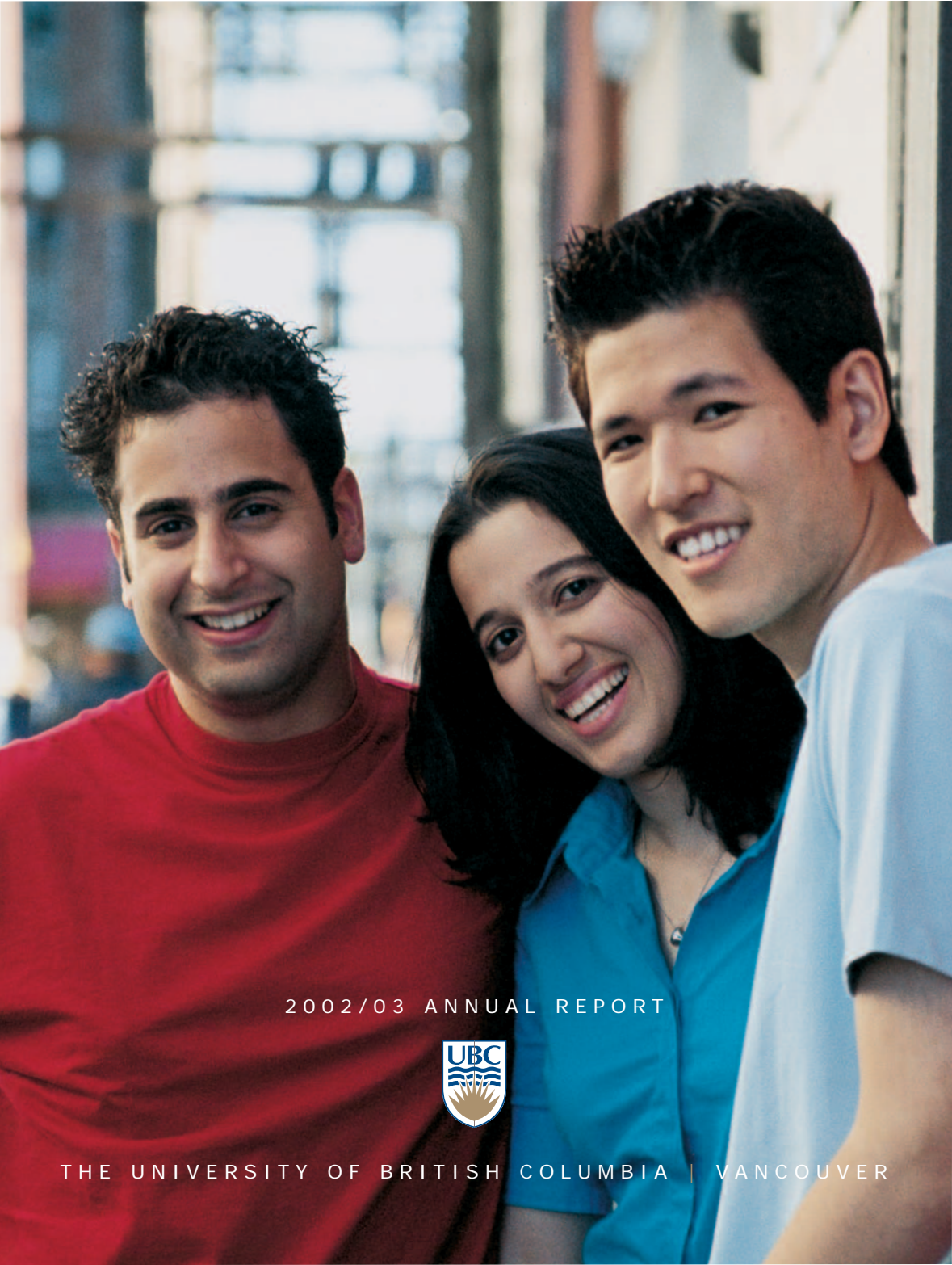


influencing a new **generation** of global citizens



2002/03 ANNUAL REPORT



THE UNIVERSITY OF BRITISH COLUMBIA | VANCOUVER



University is at its best when

# engaging students

with their world

LAST SPRING, a group of UBC students gathered to discuss their week of community service in a variety of settings – a transition home, a youth drop-in centre, and two elementary schools. Some shared what they had learned about themselves. Others talked about how our fortunes are interconnected. Having come face to face with homelessness and poverty, these students were engaged – actively working through their place in the world. Influencing the process were outstanding faculty and staff, who were guiding, teaching and inspiring.



This is university at its best. These pages are filled with stories of faculty and staff who, through their inspiring vision, teaching and research contributions, are passing on to a new generation a fresh understanding of what it means to be vigorous participants in civil society.

Their stories resonate, particularly following events in the past year that have further undermined global security. The ongoing threat of terrorism, war in Iraq, a worldwide SARS epidemic and environmental instability have tested our confidence, trust and mutual respect – foundations of a strong society.

To be sure, UBC research, second to none, is helping advance real solutions. Just as important, I believe, is this: in classrooms, in the community and around the world, UBC students are gaining a new understanding of humanity, global interdependence and their own capacity to make a difference. | 3  
And our world will be better for it.

– **Martha Piper,**

*President and Vice Chancellor, The University of British Columbia | Vancouver*

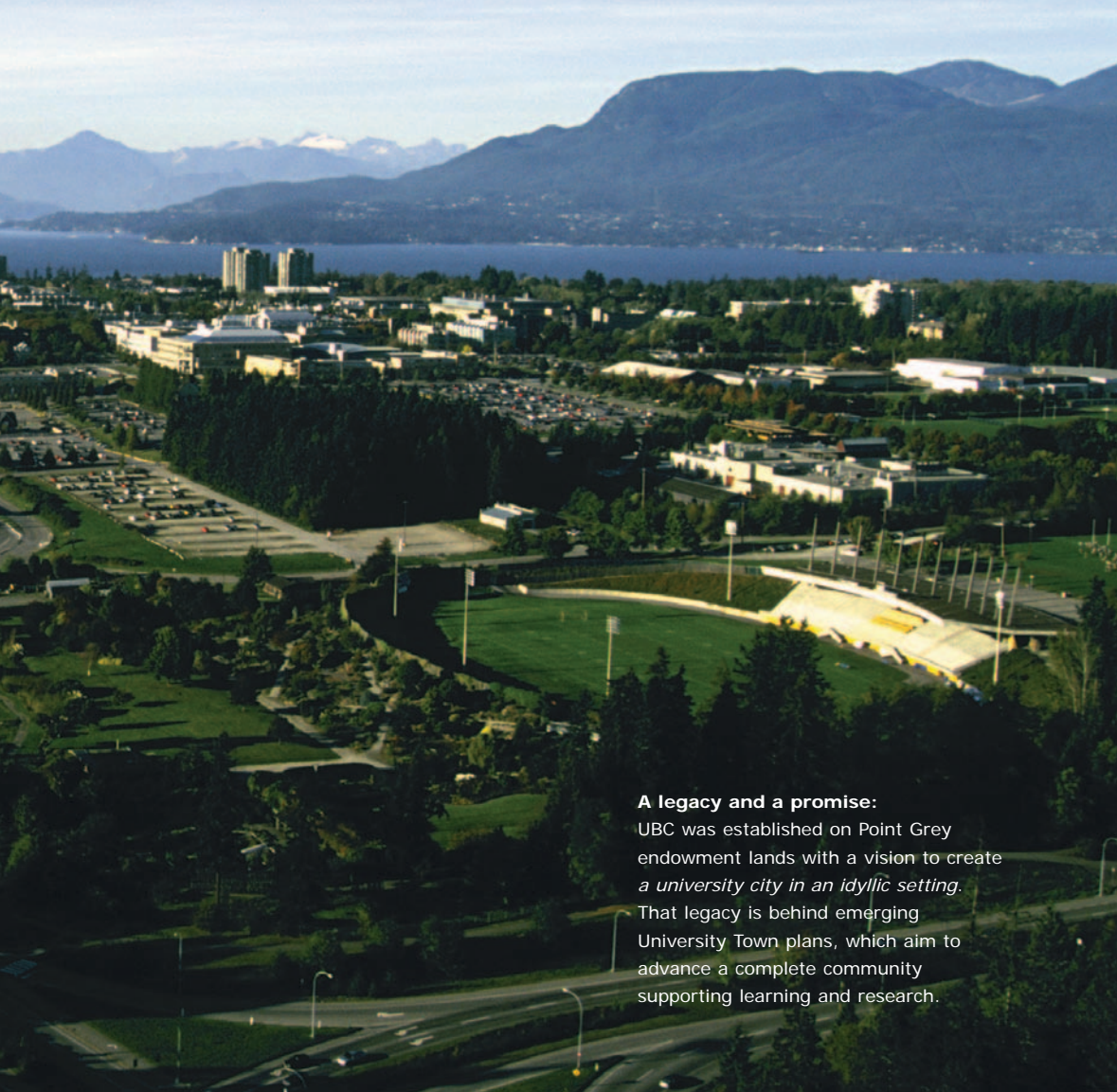


# UBC at a glance

## **An extraordinary learning environment**

4 | UBC RESEARCH FUNDING grew by 48 per cent in 2002-03. Construction of approximately \$600 million worth of new and improved academic facilities progressed across campus. And more students than ever before enrolled in innovative interdisciplinary programs like Arts One, Science One, Community Service Learning opportunities and a multitude of international exchange experiences.

In addition to its exceptional academics, students enjoyed UBC's popular intramurals, the Legacy Games, as well as performances at the Chan Centre for the Performing Arts, the Frederic Wood Theatre and showings at the Morris and Helen Belkin Art Gallery. Students also had access to world-class campus gardens, athletics facilities and outdoor trails – not to mention nearby Vancouver.



**A legacy and a promise:**

UBC was established on Point Grey endowment lands with a vision to create *a university city in an idyllic setting*. That legacy is behind emerging University Town plans, which aim to advance a complete community supporting learning and research.

**Facts about UBC in 2003**

Academic programs	500 +	
Students	39,227	5
Number of countries represented by international students	110	
Number of residence beds on campus	8,300	
Number of campus buildings with wireless computer access	150	
Total national titles won by Thunderbird athletes to date	54	
Total UBC scholarships, bursaries & gov't loans awarded	\$132 million	
Research funding awarded to UBC	\$376.8 million	
Spin-off companies created to date from UBC research	113	
Economic impact on B.C. economy	\$3.8 billion	
Number of alumni	215,663	

## Generating new understanding about healthy communities

UBC's HILLEL GOELMAN AND BARBARA GOYER speak enthusiastically about helping children thrive, working with community agencies, and assisting government in the evaluation of family policy. In fact, they are describing their ambitious new project bringing researchers, professionals and policy-makers together for a bold purpose – to build better communities for children.

“A child’s early years are extremely important,” says Goelman, UBC professor with the Human Early Learning Partnership (HELP), and director of the 10 complementary studies known as the Consortium for Health, Intervention, Learning and Development (CHILD) project. “This research will help identify ways to provide better support for children – including children at risk – and their parents, and make a real difference in their lives.”

The project has received \$2.3 million from the federal government, partly because of the innovative collaboration it is fostering across professions and community agencies. Organizations like the Children’s and Women’s Health Centre, First Nations Partnership Program, and the Westcoast Child Care Resource Centre will work hand in hand with public health nurses, university researchers and graduate students.

Explains Goyer, CHILD co-ordinator, “We’re bringing planners together with people on the front lines to understand how a village raises a child.” Teams of interdisciplinary “community-builders” will focus on four areas: screening and intervention, early child development in aboriginal communities, social policy evaluation, and program interventions for children and families.

6 | “A child’s healthy development is a little like a Rubik’s cube,” says Goelman. “It’s made up of medical, social and psychological dimensions. We aim to better understand how it all fits together.”



**UBC student named Trudeau Scholar.**  
PhD Mining Engineering student Ginger Gibson was one of 12 Canadian students to receive the first ever Pierre Elliott Trudeau Scholarships, for her research on the impact of mining on communities in Africa and Latin America.

**Women’s Resource Centre turns 30.**  
A downtown community-based resource of UBC Continuing Studies, the WRC offers personal and career services for men and women. About 25,000 people used its programs last year.



Barbara Goyer and Hillel Goelman aim to better understand children's healthy development

**Our ecological footprint.** As part of the School of Community and Regional Planning's 50<sup>th</sup> anniversary, professor William Rees launched a course assessing Vancouver's impact on the ecosphere. It utilized his well-known innovation, the *ecological footprint analysis*.

***Toxic Emotions at Work.*** Sauder School of Business professor Peter Frost wrote an acclaimed book on organizational pain, published by Harvard Business School Press, that provides leaders and managers with compelling insights into workplace stress.



David Ley believes Canada's strong track record of attracting skilled immigrants may be at risk

**GRS wins internationalization award.** The Agricultural Sciences Global Resource Systems (GRS) program won the 2002 Scotiabank-Association of Universities and Colleges of Canada award for Internationalization. The program helps students integrate language training, cultural studies and international experience.

**Research on suicide rates among aboriginal youth.** Psychology professor Michael Chandler was awarded \$160,000 from the Social Sciences and Humanities Research Council (SSHRC) to continue research on high youth suicide rates among Canadian aboriginal youth.



## Bringing together policy-makers, faculty and students to break down **social barriers**

GEOGRAPHY PROFESSOR DAVID LEY uses an all too familiar anecdote to help explain why he has dedicated his recent career to immigrant issues. He recalls meeting a dentist from Mexico who was working in Canada as a dental receptionist. “It was a loss to him – but also a loss of valuable skills to this country,” says Ley. “Such stories put at risk Canada’s strong track record attracting skilled immigrants.”

A Canada Research Chair in Geography, Ley was appointed a Fellow in April 2003 by the Pierre Elliott Trudeau Foundation for his research in social justice and immigrant experiences in Canadian cities. Over the last eight years, he has helped organize a growing network of researchers, policy-makers and non-governmental organizations as part of the Metropolis Project. Funded by the federal government, the project looks at immigrant issues including housing, employment, discrimination, health and education in Canada.

“With so many disciplines, establishing the Metropolis Project was a multicultural project even before we moved off campus,” says Ley. “Establishing this network provides a valuable infrastructure to address immigrant issues.”

The work of Ley and his counterparts has helped government to respond to the brain drain, to review business immigration programs, and evaluate proposals to disperse new immigrants beyond urban centres. And it has also helped develop future scholars and policy-makers by including graduate students in the research effort.

“These are issues that really matter,” says Ley. “By mentoring graduate students, we are fostering a community of motivated, critical thinkers who will help break down those barriers faced by immigrants today.”

| 9

**UBC Law professor spearheads study on human rights.** Pitman Potter and a team of researchers were awarded nearly \$2.5 million from the Social Sciences and Humanities Research Council (SSHRC) to study international human rights and trade laws.

**UBC opens Korea and Tec de Monterrey Houses.** Last year students from Korea University lived in a new integrated residence with 100 UBC students. This year up to 100 students from Mexico’s Tec de Monterrey University will be the first to occupy a similar residence.

## Helping students gain a new level of global awareness

“I BELIEVE that what an individual does with his or her life matters,” wrote Yaa Hema Obiri-Yeboah in her essay to the Rhodes Scholarship selection committee, which made her one of only 11 Rhodes scholars in Canada last year.

With eloquence and passion, this personable young woman is already making a difference. Obiri-Yeboah came to Canada from Ghana as a refugee at the age of two when her parents fled a military coup, a family experience that has undoubtedly shaped her desire to give voice to the marginalized. She has written regularly for Vancouver’s *The Afro News*, and volunteers as a mentor for children in the African-Canadian community.

Obiri-Yeboah was attracted to UBC partly because of its Arts One program, a unique, integrated first-year curriculum where professors from English, Philosophy and History help develop a broad analytical perspective. “I had some terrific teachers who inspired me and challenged me to set my sights high,” she says.

She also earned Political Science credits volunteering for HOPE International, a non-profit agency engaged in sustainable development in the world’s poorest communities. Last year she completed her degree in English and Political Science.

Now, with a special interest in African literature she hopes to explore at Oxford, Obiri-Yeboah is poised to reach a wider audience. “I want to shatter stereotypes placed upon African peoples. The voices of African individuals telling their own stories, defining their own identities, and speaking the truth must be heard.”

10 |



### **A voice for global marine conservation.**

Daniel Pauly, UBC Fisheries Centre acting director, presented findings from the *Sea Around Us* project to the U.S. House of Representatives. It examines the impact of fisheries on the world’s marine ecosystems and warns of impending disaster.

### **Economics professor emeritus wins**

**Donner Prize.** John Helliwell won the 2002-03 Donner Prize of \$25,000 for best book on Canadian public policy for his *Globalization and Well-Being*, published by UBC Press.



UBC's Rhodes Scholar  
Yaa Hema Obiri-Yeboah  
wants to shatter negative  
stereotypes placed on  
African peoples

**Global Citizenship Conference.** More than 850 people from the Lower Mainland attended last year's conference, hosted by President Martha Piper and Lloyd Axworthy, to discuss issues including environmental sustainability, global inequalities and the meaning of democracy.

**UBC scientist discovers oldest planet.** Harvey Richer, professor of Physics and Astronomy, led a team that discovered the universe's oldest known and most remote planet. The Jupiter-sized planet is located in an ancient star cluster 5,600 light years away.



Marco Marra and his colleagues worked around the clock to complete a DNA sequence of the SARS virus

**Peter Wall Distinguished Professor.**

Researcher Brett Finlay received UBC's most prestigious academic honour last year for his work on bacterial disease, research that could save the lives of millions and protect our water supplies.

**New Centre for Blood Research.** Professor of Biochemistry Ross MacGillivray is heading a research team working to ensure Canada won't face another tainted blood scandal. The centre is supported by a \$15.1 million grant from the Canada Foundation for Innovation, and matching funds provided by the B.C. Knowledge Development Fund, Canadian Blood Services and Bayer Inc.

## Achieving breakthrough discoveries to protect humankind

IT HAD ALL THE ELEMENTS OF HIGH STAKES DRAMA. An aggressive, deadly disease was rapidly spreading around the globe. Quarantines were going up. And health officials were scrambling to shut down the new virus known as SARS.

“I was wondering what we could do,” says Marco Marra, a UBC associate professor and director of Canada’s Michael Smith Genome Sciences Centre (GSC) at the BC Cancer Agency. “And I approached my colleagues with the idea to sequence the SARS virus.” That was on March 27.

By April 5, Marra’s research team had obtained an RNA sample from the National Microbiology Laboratory in Winnipeg and the B.C. Centre for Disease Control. After working around the clock they announced on April 11 that they had completed a draft DNA sequence of the virus – the first in the world.

“This was a significant step,” explains Marra. “Scientists now had the genetic information to develop tests for the presence of the virus, and work on a vaccine.”

Marra credits achievements like this to the vision of the late Michael Smith, Nobel Laureate, UBC professor and founding director of the GSC. He also credits Victor Ling, vice president of research at the BC Cancer Agency, and vital funding from the B.C. Cancer Foundation, which made the vision for the GSC a reality.

“Michael was instrumental in bringing me back to Canada,” says Marra. “I couldn’t pass up the opportunity to be mentored by one of the world’s leading thinkers.” Marra himself mentors UBC graduate students at the BC Cancer Agency, ensuring the legacy of Michael Smith will live on in the quest for a cancer cure.

| 13

**Forestry genomics.** UBC researchers received \$10.8 million from Genome Canada, Genome B.C., and the B.C. government to identify genes that create a healthy forest. Jorg Bohlmann, Carl Douglas, Brian Ellis and Kermit Ritland hope their findings will help reduce pressure on naturally grown forests.

**UBC researcher top young Canadian scientist.** Microbiologist Natalie Strynadka won the 2002 natural sciences Steacie Prize as Canada’s top young scientist for her work on new antibiotics to defeat resistant bacteria that kill up to 45,000 people per year in the U.S. alone.



# inspiring passion

## for strengthening civil society

DURING READING WEEK, 38 students gave their time to four community service projects organized by the UBC Learning Exchange and Student Services. While some painted the YWCA Munroe Transition House, others painted a children's literature mural and worked as teaching assistants in Lord Nelson Elementary School. A third group worked on a community garden with Grandview/Uuqinak'uhh elementary students, and a fourth traveled to Guelph to work with University of Guelph students to renovate a youth drop-in centre.

The projects are a part of UBC's Trek Volunteer program, which helps students enrich their education with volunteer service. The program has grown ten-fold in three years, connecting 300 students to 30 inner-city community organizations last year. And it's an example of a phenomenon new to Canada called Community Service Learning (CSL).

"It's a learning model that marries real-life experience with academic content," says Margo Fryer, director of the Learning Exchange. "Students process their exposure to poverty and homelessness through group discussion, reading and reflection. It requires them to go beyond an intellectual knowledge to action, and in the process they become different people."

Fryer and her team are working with faculty to integrate CSL into more courses each year. In June, representatives from nine Canadian universities came to UBC and formed a coalition to increase CSL learning opportunities. Meanwhile, UBC students are catching the vision.

14 |

"It's made me re-think what a meaningful life is all about," says one reading week project student. "I've been brought up to think of everyone as a competitor. But now I'm more convinced than ever that my personal growth is going to be a product of reaching out to everyone else in the world."

**Moyra Ditchfield computer lab.** Auburn Elementary School named their computer lab for UBC undergraduate facilities manager Moyra Ditchfield, in honour of her seven years of volunteer work in their school.

**Grads sign sustainability pledges.** For the first time, almost 200 UBC grads signed pledges to be socially and environmentally responsible. The idea was the brainchild of Environmental Sciences student Rebecca Best.



Dentist Sean Sikarski  
leads UBC's inner-city  
Portland Community Clinic

**Campus community makes extra effort for United Way.** Faculty, staff and students from every corner of campus organized breakfasts, book sales and auctions to help exceed the target of \$400,000 by \$70,000.

**Inner-city dental clinic opens.** UBC Dentistry students gained valuable real-life experience at the Portland Community Clinic in Vancouver's Downtown Eastside – where they provide essential dental services to those on social assistance and in job training and pre-employment programs.

## Nurturing appreciation for the many facets of human experience

IF YOU ENJOYED last year's UBC Theatre production of *The Falstaff Project*, were captured by the human dilemmas portrayed in Andrew Gray's book *Small Accidents*, or intrigued by the student-produced film *Why the Anderson Children Didn't Come to Dinner*, you had just a taste of the abundant creative talent at UBC.

Each year UBC students, faculty and alumni contribute significantly to Canadian culture, producing award-winning theatre performances, film projects and literary works – not to mention exceptional music performances and fine art showings. Their creativity evokes the power of the arts to raise awareness about important social issues and enhance understanding of the human experience.

"UBC has a long history in creative arts," explains Robert Gardiner, head of the Theatre, Film and Creative Writing department. "For example, theatre production goes back to 1916, and *Prism International*, our student-run literary journal, is in its 44<sup>th</sup> year."

In fact, 2002 marked the 50<sup>th</sup> anniversary of the Frederic Wood Theatre. Celebrations included *Stages of Success*, an exhibit of memorabilia from half a century of performances, as well as a history of the UBC Players Club from 1916-1944. Distinguished alumni, including John Gray, Richard Ouzounian and Bing Thom, returned to conduct a series of workshops for a new generation of students, and they provided a gala evening performance as the highlight of a grand homecoming party.

Says alumna and actor Nicola Cavendish, "To the people we met here, theatre really mattered. It made us feel that it was the best, the bravest, the finest thing you could do with your life, and I've carried that feeling with me ever since."



**Borealis String Quartet.** Violinists Patricia Shih and Yuel Yawney, viola-player Nikita Pogrebnoy and cellist Joel Stobbe, who comprise UBC's quartet-in-residence, reached the finals of the Great Canadian Music Dream, the biggest cross-Canada music talent search in CBC-TV's history.

**Film grads win Telefilm Canada award.** *Big Shoes to Fill*, directed by Michelle Porter, produced by Sidney Chiu and with cinematography by Shannon Kohli, all former UBC film students, won Best Emerging Western Canadian Director for a Short or Mid-Length Film.





The Frederic Wood  
Theatre celebrated its  
50<sup>th</sup> anniversary in 2002

**Operatic cultural exchange.** UBC's opera ensemble, led by Nancy Hermiston, received acclaim in the Czech Republic in 2002. This past Spring, Czech stage director and conductor Josef Novak and Norbert Baxa came to UBC to guide the ensemble's performance of *The Bartered Bride*.

**UBC Creative Writing grad earns Giller nomination.** Prolific author Bill Gaston was one of many grads published last year. His *Mount Appetite* earned a Giller prize nomination. Earlier Gaston received the Timothy Findley Award for his body of work.



Teammates Justin Tisdall and Brian Johns helped UBC Thunderbirds gain national titles

**UBC Sports Hall of Fame unveiled.** With 82 inductees, the UBC Sports Hall of Fame found a residence last year in the foyer of the War Memorial Gymnasium. A web site was also launched at [www.ubcsportshalloffame.com](http://www.ubcsportshalloffame.com).

**Nestor Korchinsky to retire after 30+ years.** Under Nestor Korchinsky's leadership, UBC's intramurals, known as the Legacy Games, have become a Canadian university prototype. Korchinsky spearheaded the growth of women's programs and opportunities for new and disabled students.

## Fostering a vision of excellence for the body, mind and soul

TO UNDERSTAND UBC ATHLETICS, says director Bob Philip, you have to look back to the past – to Mary Campbell and Lois Fisher, for example. Aged 94 and 92 respectively, they are surviving members of UBC’s 1929-30 women’s basketball team that won gold for Canada in front of 10,000 fans at the 1930 International Women’s Games in Prague.

“Mary and Lois were pioneers in women’s sport,” says Philip. “They helped set the bar for commitment, excellence and individual achievement that inspire our students.” And last year, athletes delivered inspiring performances indeed.

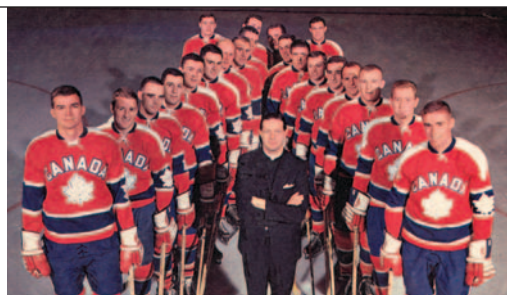
UBC swimmer Brian Johns set a world record in the 400-metre individual medley at the Canada Interuniversity Sport (CIS) nationals, while men’s and women’s swim teams claimed their sixth consecutive dual national titles.

Thunderbird pitchers Brooks McNiven and Cory Stuart, and outfielder Mark Zamojc, were drafted by the major leagues after their team won the U.S.-based NAIA Region 1 title. UBC women’s soccer captured a national trophy in Edmonton with a thrilling overtime goal, giving UBC its 54<sup>th</sup> national title – while men’s basketball came close with its first berth in the Final Eight since 1996.

Basketball’s Kyle Russell, soccer’s Aaron Richer and swimming’s Brian Johns were each named CIS athletes of the year. Basketball’s Kelsey Blair, soccer’s Hannah Shoichet and swimming’s Caitlin Meredith were national rookies of the year. And 27 UBC athletes achieved all-Canadian or all-American status, with 34 making Royal Bank Academic All-Canadian by achieving grades of 80 per cent or more.

“Our legacy includes giving back to community,” says Philip. “Last year, through programs like the *I Go To UBC* sports camps, we brought kids from First Nations and inner city neighbourhoods to campus to develop their skills and personal vision.”

**2010 Olympic bid decision.** UBC will host hockey events for the 2010 Winter Olympics in Vancouver. The decision builds on an Olympic hockey legacy – in 1963 Father David Bauer coached a UBC-based national hockey team to tie for bronze in Innsbruck.



## A commitment to access through growing financial assistance

RIISING COSTS AND DEMAND present a growing challenge for universities. By 2002, a six-year provincial government tuition freeze left B.C. universities 65 per cent below the national average. Removal of the freeze last year helped restore and enhance learning opportunities and, at the same time, strengthened UBC's commitment to an important principle outlined in its access policy: *no qualified domestic student will be denied a UBC education for financial reasons alone.*

Leading the charge on this commitment was the Student Financial Assistance and Awards team, which maximized resources from private and corporate donors and government funds, and ensured more students received enhanced levels of support.

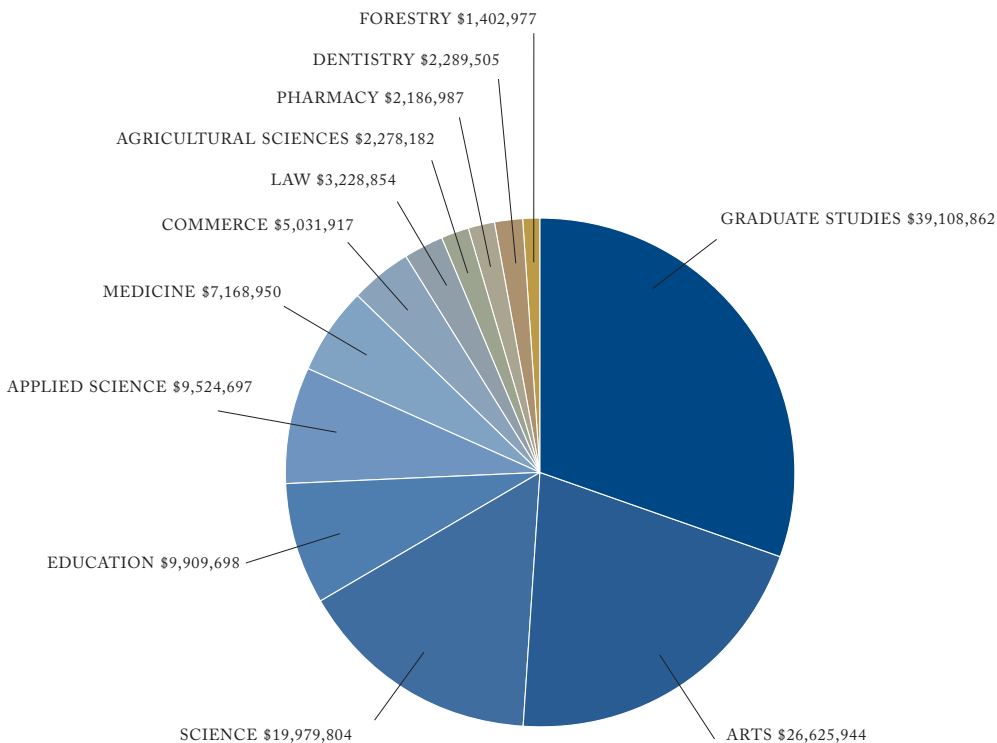
### Highlights from 2002/03

- Funds awarded to students in UBC scholarships, bursaries and fellowships rose by 19 per cent.
- The number of undergraduate students receiving need-based funding rose by four per cent.
- The number of students receiving UBC bursaries increased by nine per cent, and the amount awarded increased 43 per cent.
- The number of undergraduate students receiving merit-based funding rose by 23 per cent.



**International Leader of Tomorrow.** Anika Adams of Budapest received this scholarship for outstanding international students. She'll study Economics, International Relations, and eventually Law. The award helps exceptional students to study at UBC.

**Aboriginal Residency Program.** Launched last spring, the UBC medical school program is the first in Canada to provide specific training for physicians who plan to work with aboriginal individuals or communities.



### Total monies awarded by faculty in 2002/03

*This chart represents total funding awarded to students in 2002/03, including scholarships, bursaries and government loans. Numbers do not include awards administered directly by faculties themselves.*

### How it works

Assistance means something different to each student. In 2002/03, staff responded to 47,000 enquiries, providing one-on-one help for individualized assistance programs to serve students' academic goals. In many instances students received scholarships, but they were able to benefit as well from bursaries, part-time work study opportunities and loans. Last year staff also inaugurated financial education services to help students better handle the financial learning curve.

#### **TD Bank Financial Group Graduate Bursary.**

Since 2002, 144 graduate students from all UBC faculties have received these bursaries totaling \$398,900. Through its generosity, the bank is making an important contribution to UBC grad students.

#### **New self-admit web feature.**

UBC's enrolment services division broke new ground by launching an innovative self-admission tool on its web site. It enables students to evaluate whether they meet admissions requirements and admit themselves. The online feature won the international EDUCAUSE award.

## Realizing our founders' vision for a complete learning community

JIM AND JUDY TAYLOR couldn't be more pleased with their university community. A former Law professor, Jim and his wife live on campus in Hampton Place. He heads the University Neighbourhoods Association which includes the eight campus neighbourhoods that form part of UBC's plan to create a vibrant, sustainable University Town. With plans for green space and shops, a more complete community is emerging on UBC's Point Grey home.

"This is the ideal community in which one could live," says Taylor, who enthuses about being surrounded by forest and ocean, while being within walking distance of world-class libraries, theatre and learning.

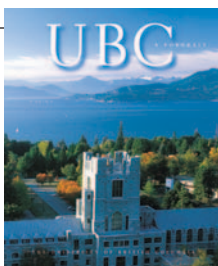
The emerging University Town plan fulfills the vision of its founders, who convinced the government to set aside the endowed lands with the express purpose of being used to create an international-calibre public university. "For example, beautifully designed residences," says UBC Vice-President Dennis Pavlich, "will allow people to live in sustainable communities close to their work, reduce transit, and also endow improvement of learning programs and scholarships."

With two neighbourhood plans approved (Mid-campus and Theological Neighbourhood), efforts focused last year on the University Boulevard Neighbourhood Plan. It envisions opening up green space by taking transit underground, re-locating the aging outdoor pool, and integrating shops and student housing. In initial consultations, all students, faculty and staff were invited to participate in the plan, and 20 open houses, 60 stakeholder meetings and three public meetings were held.

Says Taylor, "Through really intelligent decisions, UBC is encouraging a community that will attract students and faculty with all the cultural and social qualities people dream about."

22 |

**UBC – A Portrait.** The university published a hardcover book presenting a wealth of information on UBC's people, programs and campuses through photos and descriptive highlights.



**First Nations youth come to UBC.** Over 1,000 First Nations youth and their families from throughout B.C. attended the Musqueam Indian Band All Native Youth Soccer Tournament in June. UBC also held its first Summer Forestry camp for aboriginal youth in August.



Judy and Jim Taylor enjoy their campus home, believing it is "the ideal community in which one could live."

**Students vote for U-Pass.** After years of work by the university, the Alma Mater Society and TransLink, students endorsed the creation of U-Pass, which will give them unlimited access to public transit for \$20 per month, a savings of \$43 per month over a regular fare. The pass is expected to reduce single occupancy vehicle trips by 20 per cent.

**Campus wireless roll-out.** For the past year, the university has been completing the largest and most advanced wireless network on any campus in the world. The deployment is part of UBC's e-Strategy to support work, learning and research.



Dr. Joanna Bates is overseeing a massive project bringing together government and three universities

**Government support for UBC.** Provincial government support increased by four per cent to \$393 million last year, mostly funding general university operations. Total federal support grew by 22 per cent to \$117 million last year, with the majority of that going to research funding.

**Valuable help for indirect research costs.** The federal government announced a new \$225 million program to support indirect costs of research at Canadian universities. The program will allow for more complete funding of federally sponsored research. Last year UBC was awarded \$13.75 million under the program.



## Working with government to advance solutions and create opportunities

WALK INTO DR. JOANNA BATES' MEDICAL EXPANSION PROGRAM OFFICE, and you know something big is happening. Staff are energetically coordinating a massive project bringing together the provincial government, three universities (UBC, UVic and UNBC) and health authorities in a medical school expansion program aimed at easing the shortage of doctors in B.C. Integral to the project is UBC's largest new building underway on campus, the Life Sciences Centre.

Thanks to \$110 million from the B.C. government, the number of first-year medical school spaces will double to 256 by 2010. As the hub for this growth, the new Life Sciences Centre will be completed by January 2005 and house one of the largest medical schools in Canada, helping position the province as a leader in life sciences research.

"The level of collaboration between the three universities and government is unprecedented in Canada in medical undergraduate education," says Dr. Bates, senior associate dean and chair of the MD Undergraduate Expansion Task Force. "The partnership ensures that universities will bring their areas of strength to the program, enriching medical education for all students."

The 40,000-square-metre Life Sciences Centre will include small classrooms, lecture theatres, advanced research laboratories and study spaces. While all students will be enrolled at UBC and receive UBC degrees, about 10 per cent will be located at UNBC in Prince George, and another 10 per cent in Victoria at UVic.

"Health needs are clearly a priority for our society," says Dr. Bates, "Implementation of the vision of this expansion will help meet the needs of rural and northern communities, aboriginal people, and the aging population."

| 25

**Royals return to UBC.** Her Majesty Queen Elizabeth and HRH Prince Philip, Duke of Edinburgh, visited UBC for the fourth time on October 7, as part of the Royal Jubilee celebrations. They also visited UBC in 1951, 1959 and 1983.



## Cultivating an environment of discovery for top young scientists

STEWART BLUSSON DREAMS OF NEW DISCOVERIES. With a PhD in Geology (preceded by a BSc from UBC in 1960), he has scoured the most difficult terrain of the Far North to uncover rare deposits of gold, copper and diamonds. Now, thanks to his vision and great generosity, he has made it possible for hundreds of the world's top researchers and scientists at UBC to pursue discoveries of another kind.

In 1998, Stewart and Marilyn Blusson provided an unprecedented \$50-million donation for research. The gift enabled UBC to seek additional matching funds through the Canada Foundation for Innovation (CFI) and the B.C. Knowledge Development Fund (BCKDF), ultimately helping attract \$175 million in research funding, with more on the way. The funding has contributed to the creation of 46 major research projects as diverse as the Brain Research Centre, the Earthquake Engineering Research Facility and the Fisheries Ecosystems Research Laboratory.

Through these endeavours top scientists are helping train a new generation of researchers at UBC as they develop innovative solutions to some of the world's most troubling problems such as the creation of a plug to stop toxic run-off at polluted mines or an ambitious effort to develop synthetic blood to ensure adequate, safe blood supplies.

"We now have access to the latest equipment, and have recruited top scientists," says Dr. Indira Samarasekera, Vice-President, Research. "Twenty years from now, people will remember this gift as the one that put us at the frontier of cutting-edge research."

**Research funding grows by 48 per cent.** Last year research funds awarded to UBC amounted to \$376.8 million, an increase of \$122.8 million. The increase includes \$75.7 million from the Canada Foundation for Innovation and B.C. Knowledge Development Fund, plus another \$21 million from the federal government.

**UBC scholars appointed to Royal Society.** Eight UBC faculty were appointed last year to the Royal Society of Canada, the country's most prominent academy of scholars and scientists. Over 150 UBC faculty members now hold that honour.



Through their gift, Stewart and Marilyn Blusson have contributed to the creation of 46 major research projects

**Global brain gain.** Last year 25 top researchers from Canada and around the world became UBC's newest Canada Research Chairs, bringing the number of UBC-based Chairs to a total of 74. They are part of an ambitious program funded by the federal government to attract and retain outstanding researchers for Canadian universities.

**High-tech spin-offs at UBC.** Research funding supported 5,225 research projects last year. The University-Industry Liaison Office received 141 invention disclosures from faculty and students, filed 151 patent applications, was issued 50 patents, and created eight start-up companies.



Dr. William Sauder and  
Mrs. Marjorie-Anne Sauder  
are helping create new  
opportunities for students  
to succeed

**A family tradition of giving.** A member of the Belkin family, which founded UBC's Morris and Helen Belkin Gallery, Ms. Sharon Barrie Stewart is helping to establish a future home for UBC's Sports Hall of Fame, including a memorial to honour athletes like her father who died while serving their country.

**B.C. Hydro invests in students.** As part of an innovative partnership, B.C. Hydro funded five student positions in the Campus Sustainability Office. The students are being trained to become the next generation of leaders in sustainability and energy saving.

## Giving students uncommon skills and vision to shape their future

“I believe it is extremely important for us to create opportunities for young people and provide them with the tools they need to shape their futures in this great province – especially if we are going to create the wealth necessary to look after the ongoing needs of healthcare and education.” With these words, Dr. William L. Sauder and his wife, Mrs. Marjorie-Anne Sauder gave \$20 million to UBC’s Faculty of Commerce and Business Administration – the largest private donation ever made to a Canadian business school.

Consequently, the provincial government committed to fund 25 more student spaces in the school over the next five years, to a total of 125. The combined funds will increase the capacity to add courses and programs and recruit additional faculty. “These resources will enhance our capacity to provide an education that inspires future business leaders to think entrepreneurially, generate new management knowledge through research, and contribute to the economies of British Columbia, Canada, and the world,” said Daniel Muzyka, dean of the Sauder School of Business.

Dr. Sauder graduated in 1948 with a Bachelor of Commerce degree and built Sauder Industries into a highly successful diversified forest products company. He served as chair of the UBC Board of Governors and, from 1996 to 2002, as university chancellor.

“I got my start as a young adult here at UBC, and what I learned contributed to a successful business career,” says Dr. Sauder. Now, he and Mrs. Sauder hope their gift will give UBC students even more opportunities to succeed.

**A student gives back.** Michael Ursell, BA, spearheaded a program matching volunteer opportunities with willing students, increasing volunteerism on campus dramatically. Ursell is also a UBC donor, in appreciation of the donor support he received.



## Feeding a thirst for learning around the world


UBC's MAIN LIBRARY is undergoing a major renovation that will revolutionize the way we access information. The visionary project was launched last year thanks to a gift of \$20 million from Irving K. Barber to transform the 77-year-old building into a larger learning centre. It is the largest donation for a single capital project that UBC has ever received. The provincial government contributed an additional \$10 million and UBC matched these funds with a further \$30-million investment.

The new Irving K. Barber Learning Centre at UBC will feature smart classrooms, distance learning activities, wireless access, Canada's first automated book storage and retrieval system, a fireproof and climate-controlled vault for rare and valuable collections, and a host of other innovations that will truly place the wealth of human knowledge at the fingertips of British Columbians in any community.

"My work took me around the province and I saw a real thirst and need for education in small communities where information resources were limited," says Mr. Barber, a UBC alumnus. "I wanted to bring education and learning to the people."

Many of the innovations will make the library's resources more accessible to people who are not physically on campus. "We're meeting with people in communities across B.C. to ask them what they need and to design a Centre that they can access," says Catherine Quinlan, UBC Librarian. "Mr. Barber is truly a visionary, not just for what UBC can do, but for what this province can become. The impact of his gift is not just for UBC, but for B.C., and indeed the world."

30 |



**Sir Cecil Green.** The Texas Instruments co-founder passed away on April 12, 2003. He and his late wife, Ida, were dedicated supporters with the donation of Cecil Green Park House, the Ida and Cecil Green Visiting Professorship, and UBC's first graduate college, Green College.

**Field hockey fans.** In addition to their other gifts to campus, Ian and Frances Dowdeswell have helped build the artificial turf field that has made UBC a national presence in field hockey, a strong Vancouver tradition since 1895.



Mr. Irving K. Barber and Mrs. Jean Barber have a vision for bringing education to people in B.C. and the world

**BMO encourages leadership.** Heather Buckley studies chemistry and biochemistry and plans to be an astronaut. The multi-talented achiever is representative of the eight recipients of UBC's most generous major entrance scholarship, the BMO Financial Group National Scholarship, recognizing leadership, community involvement, and academic achievement.

**Student establishes bursary.** As a student, Dentistry alumnus Dr. Sunny Tatra won a scholarship. But as a Canadian Armed Forces officer, his education was paid for, so he used the award and his own funds to establish a student bursary.

# financial highlights

The University of British Columbia's financial statements have been reported on by the Auditor General of British Columbia, the auditor appointed by the University Act. The following are highlights of the financial statements for the year ended March 31, 2003.

<b>FINANCIAL HIGHLIGHTS</b> (in millions\$)	<b>2002</b>	<b>2003</b>
Total revenue	\$960.0	\$1,072.4
Research awarded to UBC	254.0	376.8
Operating surplus for the year	0.1	3.7
Accumulated (deficiency)/surplus at end of year	(2.1)	1.6

## **Revenues 2003** (in thousands \$)

Government grants & contracts	\$517,922	48%
Sales, services and other	261,204	24%
Student fees	148,671	14%
Non-government grants, contracts & donations	106,274	10%
Investment income	38,337	4%
<b>Total</b>	<b>\$1,072,408</b>	<b>100%</b>

## **Expenses 2003** (in thousands \$)

Salaries and benefits	\$651,501	61%
Supplies and general expenses	198,465	19%
Depreciation	74,425	7%
Cost of goods sold	40,250	4%
Scholarships, fellowships and bursaries	32,731	3%
Other transfers	56,588	5%
Grants to other agencies	14,737	1%
<b>Total</b>	<b>\$1,068,696</b>	<b>100%</b>

## **ASSETS** (in thousands \$)

	<b>2002</b>	<b>2003</b>
Current assets	\$328,370	\$348,956
Investments	653,284	728,563
Capital assets	875,498	999,678
<b>Total Assets</b>	<b>\$1,857,152</b>	<b>\$2,077,197</b>

## **LIABILITIES & NET ASSETS** (in thousands \$)

	<b>2002</b>	<b>2003</b>
Current liabilities	\$115,989	\$108,592
Employee future benefits	34,879	6,699
Deferred contributions	122,393	199,496
Deferred capital contributions	515,584	588,759
Long-term debt	168,567	176,848
Net assets	899,740	996,803
<b>Total liabilities and net assets</b>	<b>\$1,857,152</b>	<b>\$2,077,197</b>



# social highlights

UBC recognizes the importance of setting an example through positive impact on the community, service toward students, and care for faculty and staff.

## Community

---

- Through UBC's Learning Exchange, 300 students volunteered in 30 community agencies
- Five hundred students provided health services to Vancouver Downtown Eastside residents through the Community Health Initiative by University Students (CHIUS)
- Two hundred UBC Law students provided free legal advice to 5,000 clients
- UBC had an economic impact of \$3.8 billion on B.C.'s economy
- UBC research generated eight spin-off companies in 2003

## Students

---

- UBC enrolled 32,227 undergraduate and 7,000 graduate students
- 57.1 per cent of undergrads were female; 42.9 per cent male
- 5,824 undergraduate and 2,111 graduate degrees were conferred
- Following a six-year freeze, tuition fees are being brought back into line with the national average
- UBC aimed to preserve accessibility, growing funds awarded to students in UBC scholarships, bursaries and fellowships by 19 per cent to \$32 million

## Faculty & Staff

---

- In 2003 the University employed 3,465 faculty and 6,319 staff
- National comparisons for designated groups:

	UBC (2002)	Under Act Workforce* (1996)	Canadian Labour Force (1996)
	%	%	%
Women	53.24	44.83	46.4
Aboriginal people	1.63	1.22	2.1
Visible minorities	25.66	9.23	10.3
Persons w/disabilities	2.78	2.67	6.5

Note: A contentious round of collective bargaining occurred under a government-mandated wage increase of 0 per cent. A mediated settlement followed a government back-to-work order ending a pre-exam-period strike that threatened completion of the academic year.

\* Under the Act Workforce covers both crown corporations and federally regulated, private sector employers.

# environmental highlights

In 1997, UBC became the first university in Canada to implement a sustainable development policy. A year later it opened Canada's first Campus Sustainability Office, which has helped put UBC on track to meet and surpass national emissions reduction targets set by Canada's commitment to the Kyoto Protocol.

In 2000, UBC completed the Comprehensive Community Plan (CCP), the basis of emerging University Town plans, to guide non-institutional development of its 996-acre campus. The plan incorporated principles from the Official Community Plan, including pursuing:

- transportation alternatives with a focus on non-car options
- conservation of campus green spaces with buildings concentrated in mixed-use spaces
- a goal of 25% of undergraduate students and 50% of other residents living on campus

Last year, UBC significantly reduced emissions, improved energy efficiency, and involved thousands of campus members in sustainability strategies.

- In 2002, UBC completed ELECTrek, a lighting retrofit program for 50 campus buildings reducing annual electricity usage by 11 per cent
- In early 2003, UBC initiated a comprehensive campus energy and water retrofit called ECOTrek. It will reduce annual CO<sup>2</sup> emissions by up to 15,000 tonnes, energy use by 20 per cent, and water use by 40 per cent
- UBC earned BC Hydro Power Smart certification for leadership in energy efficiency
- While the University sent 2,887 tonnes of solid waste to landfill, it diverted 2,070 tonnes to recycling or composting
- UBC's new University Transit Pass (UPass) for students will reduce single occupancy vehicle trips to UBC by 20 per cent, reducing CO<sup>2</sup> emissions by 4,000 tonnes

## **UBC's Sustainability Policy**

---

" . . . UBC recognizes that just as the University contributes to a healthy society and economy through education to build up social capital, we also need to invest in maintaining the ecological services and resources, our natural capital upon which society depends."



## THE UNIVERSITY OF BRITISH COLUMBIA | VANCOUVER

### DEANS

Agricultural Sciences  
Moura Quayle

Applied Science  
Michael Isaacson

Arts  
Nancy Gallini

Dentistry  
Dr. Edwin Yen

Education  
Robert Tierney

Forestry  
Jack Saddler

Graduate Studies  
Frieda Grant

Law  
Mary Anne Bobinski

Medicine  
Dr. Gavin Stuart

Pharmaceutical Sciences  
Robert Sindelar

Science  
Lorne Whitehead (pro tem)

Sauder School of Business  
Daniel Muzyka

Health Sciences Coordinator  
Dr. John H.V. Gilbert

University Librarian  
Catherine Quinlan

Director of Athletics  
Bob Philip

### ADMINISTRATION

President and  
Vice Chancellor  
Martha C. Piper

Vice President,  
Academic and Provost  
Barry McBride

Vice President, Administration  
and Finance  
Terry Sumner

Vice President, External  
and Legal Affairs  
Dennis Pavlich

Vice President, Research  
Indira Samarasekera

Vice President, Students  
Brian Sullivan

### BOARD OF GOVERNORS

Chancellor  
Allan McEachern

President and Vice Chancellor  
Martha C. Piper

Chair  
John Reid

### MEMBERS

Nicole Byres

Dennis Danielson

Jesse Eckert

Martin Glynn

Jay Grewal

Gregory Lawrence

Karen Nishi

Ben Pong

Amina Rai

Bryce Rositch

Produced by  
UBC Public Affairs Office

Editor and Writer  
Randall Schmidt

Contributing Writer  
Kiyoshi Yamamoto

Art Director and Designer  
Chris Dahl

On-line Annual Report Developer  
Rob Wilson

Photographers  
Tom Billingsly  
Martin Dee  
Paul Joseph  
Kent Kallberg  
Chloe Lewis  
Mark Mushet  
Bayne Stanley  
Frank Vena



To view the annual report on-line and  
provide feedback, go to  
[www.ubc.ca/annualreport](http://www.ubc.ca/annualreport)

To receive an additional copy of the  
annual report, contact:

UBC Public Affairs Office  
310 – 6251 Cecil Green Park Road  
Vancouver, British Columbia  
Canada V6T 1Z1

Telephone: 604.822.4636  
Facsimile: 604.822.2684

E-mail: [public.affairs@ubc.ca](mailto:public.affairs@ubc.ca)  
[www.publicaffairs.ubc.ca](http://www.publicaffairs.ubc.ca)