LOOKING BACK, REACHING AHEAD

Grounded in the richness of the past, universities reach ahead to the future that they are creating.

In looking back over the past year at the University of Victoria — a year rich in achievement — my thoughts turn to the future and the benefits that will flow from the accomplishments of our students, faculty and staff.

This report briefly outlines a small selection of their recent achievements.

This year, UVic was chosen as the lead Canadian institution in creating the world’s largest undersea observatory, which will revolutionize our understanding of the oceans. As well, UVic became the home of the Centre for Addictions Research of BC and the national Institute for Aboriginal Peoples’ Health.

We also reached two important goals for our students: rising to the top 20 per cent of Canadian universities in terms of student financial aid and increasing residence spaces to offer each first-year student on-campus accommodation. Moreover, to ensure UVic students achieve their goals for the future, we intend to raise $50 million over the next decade for scholarships, bursaries and fellowships.

The achievements of our students, faculty and staff, and the future that these promise, would not be possible without the generous support of governments, foundations, corporations and individuals — including our students and their families — who provide our funding. For this, the university is deeply grateful.

I invite you to peruse this report and to share my pride not only in what we have accomplished together but also in the new opportunities, increased understanding and social benefits that will flow from these achievements.

David H. Turpin, PhD, FRSC

President and Vice-Chancellor

HELPING STUDENTS REACH THEIR FULL POTENTIAL
EXTENDING THE REACH OF HUMAN KNOWLEDGE
REACHING OUT IN PARTNERSHIP TO FIRST NATIONS AND OTHER COMMUNITIES

The University of Victoria, 2004
judged designs based on economic viability, environmental performance and technical design and safety analysis. Sponsored by the U.S.-based National Hydrogen Association and the U.S. Department of Energy, the contest winning the grand prize in the first annual North American University Student Hydrogen Design contest. Bringing environmentally-friendly hydrogen-powered transportation one step closer to commercial viability, opened as early as March 2006. Part of a team of nine UVic business, economics and engineering students, they Dikeos pore over their award-winning design for a fueling station for hydrogen-powered vehicles that could Canada’s “single king”, donated $1 million to UVic’s music education program to fund scholarships, the growth of music education, and students focused initiatives to help bring the power of music to future generations of school children. Business students will benefit from new scholarships and leadership development initiatives supported by the Thomas Frederick (Bill) Orr Endowment Fund. The $500,000 fund was established as a tribute to the late Vancouver businessman. Two of Mr. Orr’s grandchildren are recent graduates of the University of Victoria. Former president of Internet media giant Yahoo! Inc. Jeff Mallett and his wife Claire established the Jeff Mallett Leadership Award, to be given each year to a Vikes athlete who studies in the faculty of business. Mallett attended UVic in the 1980s and was himself a member of the Vikes soccer team. Family and friends of Victoria’s Mearns family continued a tradition of giving by contributing over $160,000 to the William C. Mearns endowment, which funds bursaries to support business and engineering students. Thanks to a $400,000 contribution from the Canadian Imperial Bank of Commerce (CIBC), UVic’s Career Services will continue to expand its highly successful program to assist graduating students and recent grads in establishing their careers. UVic’s Career Services will continue to expand its highly successful program to assist graduating students and recent grads in establishing their careers. The gift, pledged over five years, will also support students in other areas of need such as student financial aid. Students for generations to come will benefit from the generosity of corporate and individual donors who this year provided nearly $3 million in new financial assistance by $2 million, the university exceeded its goal to be among the top 30 percent of Canadian universities based on levels of student assistance. Dedicated to helping students continue to succeed, the university has committed to reach yet another ambitious goal – to raise $50 million in scholarships, bursaries and fellowships from the private sector over the next decade. Student Residence Goal Reached UVic is more than a place to study – to an increasing number of students, it’s also home. This year, with the addition of three new residence buildings, UVic increased its residence capacity by 30 per cent (480 beds) to meet our goal of offering a place in residence to every first-year student, providing an affordable housing option and enhancing campus life. Benefactors Boost Student Support Students for generations to come will benefit from the generosity of corporate and individual donors who this year provided nearly $3 million in new support for UVic student awards and services in a variety of faculties. One of these generous benefactors, known for his lifetime of contributions to Canadian music, is Don Wright, music educator, author and composer of hundreds of advertising spots.

WHERE STUDENTS THRIVE

FINANCIAL AID GOAL REACHED

When UVic’s 2004 budget boosted student financial assistance by $2 million, the university exceeded its goal to be among the top 30 percent of Canadian universities based on levels of student assistance. Dedicated to helping students continue to succeed, the university has committed to reach yet another ambitious goal – to raise $50 million in scholarships, bursaries and fellowships from the private sector over the next decade. Student Residence Goal Reached UVic is more than a place to study – to an increasing number of students, it’s also home. This year, with the addition of three new residence buildings, UVic increased its residence capacity by 30 per cent (480 beds) to meet our goal of offering a place in residence to every first-year student, providing an affordable housing option and enhancing campus life. Benefactors Boost Student Support Students for generations to come will benefit from the generosity of corporate and individual donors who this year provided nearly $3 million in new support for UVic student awards and services in a variety of faculties. One of these generous benefactors, known for his lifetime of contributions to Canadian music, is Don Wright, music educator, author and composer of hundreds of advertising spots.

Highly competitive Fulbright Awards went to indigenous governance student Lyana Patrick and geography grads Kirstin Campbell and Ian Scott. UVic Law student teams won Canada’s national Gole Cup Meat Competition and placed second in the International Client Counseling Competition in Scotland. The Vikes women’s rowing team won their seventh consecutive national championship in November, and Team Canada, with 12 UVic alumni in the boats, took five medals at the World Cup regatta in Munich. Canada’s Olympic swimming, rowing and men’s basketball teams in Athens included 16 UVic grads, four current and former students and three former coaches. UVic students in the Athens Paralympics included long jumper Andrea Holmrus and swimmer Stephanie Dixon (one gold medal, six silver and one bronze) and education grad and wheelchair racer Al Bergman.

HYDROGEN DESIGN PRIZE WINNERS

Engineering graduate students Louise St. Germain and John Dikess pore over their award-winning design for a fueling station for hydrogen-powered vehicles that could open as early as March 2006. Part of a team of nine UVic business, economics and engineering students, they brought environmentally-friendly hydrogen-powered transportation one step closer to commercial viability, winning the grand prize in the first annual North American University Student Hydrogen Design contest. Sponsored by the U.S.-based National Hydrogen Association and the U.S. Department of Energy, the contest judged designs based on economic viability, environmental performance and technical design and safety analysis.

UVic students have accomplished outstanding things this year. We take great pride in providing a stimulating and supportive environment in which they can reach their full potential, and we share their gratitude to the many benefactors whose support helps make their achievements possible.

Above: Students Janisliie Chernenki (left) and Jorga Zaragova are on their way to Oxford as two of Canada’s 11 Rhodes Scholars for 2004. Both have received endowed awards to support their studies at UVic. UVic has produced five Rhodes Scholars in the past four years. Below: Don Wright, music educator, composer and philanthropist, donated $1 million to support music education at UVic.
CONTINUING A TRADITION OF AMBITIOUS AND INNOVATIVE APPROACHES TO INVESTIGATING OUR WORLD, UVIC RESEARCHERS EXTEND THE REACH OF HUMAN KNOWLEDGE, UNCOVERING SECRETS OF THE SEAS, EXAMINING CHANGES IN OUR CLIMATE, AND CREATING NEW WAYS OF CARING FOR THE PLANET WE CALL HOME.

WIRING THE OCEAN FOR SCIENCE

The UVic-led NEPTUNE Canada Project, part of an ambitious undersea observatory that will revolutionize ocean science research, got the go-ahead this year with $62 million in funding from the Canada Foundation for Innovation and the BC Knowledge Development Fund. NEPTUNE (North-East Pacific Time-Series Undersea Networked Experiments) will lay 3,000 km of networked fibre-optic cable across 200,000 sq km of ocean floor off the west coast of North America, enabling land-based scientists to remotely control sampling instruments, video cameras, sensors and underwater vehicles as they collect data from the ocean surface to beneath the seafloor, and transmitting continuous, real-time data from the ocean to the rest of the world via the Internet. Dr. Chris Barnes leads Canada’s involvement in the joint U.S.-Canada venture, which is expected to be operational by 2008 and cost about $250 million.

MARINE ECOSYSTEMS

UVic’s recognized strength in ocean sciences will be further enhanced by a new endowed chair in marine ecosystems and global change. Supported by a generous private donation of $2.6 million, the chair was approved in principle and partly funded by the BC Leading Edge Endowment Fund, which matches funds raised by the private sector to attract top researchers to BC universities.

COMPUTING CLIMATE CHANGE

Climatologist Dr. Andrew Weaver (Earth & Ocean Sciences) is creating a supercomputer facility for advanced research on climate change using $4.8 million from the Canada Foundation for Innovation and the BC Knowledge Development Fund and a $7.5 million in-kind contribution from NEC Corporation. In addition to conducting research on climate change, Weaver’s Climate Modelling Group will study how climate changes over the last 135,000 years may have influenced human evolution.

ADVANCING HYDROGEN POWER

UVic’s Institute for Integrated Energy Systems, at the forefront of hydrogen fuel cell research, has enhanced its fuel cell testing program, improved hydrogen storage and assisted industrial partners in fuel cell development with new equipment purchased this year with $522,000 from Western Economic Diversification Canada. The university also received approval in principle from the BC Leading Edge Endowment Fund for an endowed chair in integrated energy systems to help lay the foundation for the hydrogen economy. Hydrogen fuel cells are an alternative and sustainable energy source that does not require the use of greenhouse-gas emitting fuels and is a key component in plans to meet Canada’s climate change and clean air objectives.

UNDERSTANDING EARTH SYSTEMS

REACHING NEW HEIGHTS: RESEARCH

Seven UVic-based researchers have been appointed to the United Nations Intergovernmental Panel on Climate Change, the international authority on the current state of knowledge about climate change whose 2007 report will address key impacts of climate change and mitigation and adaptation strategies. Dr. Francis Zwiers, an expert on statistical tools for the study of climate change, and Dr. Robie Macdonald, researcher in contaminant pathways in environmental systems, were elected fellows in the Royal Society of Canada; the country’s most prestigious academic accolade and one shared by 38 other current and former UVic faculty members. Thirteen UVic physicists were part of a team that discovered new clues as to how the make up of the universe has shifted significantly since the Big Bang. The findings, from the BaBar experiment at the Stanford Linear Accelerator, shed new light on the structure and behaviour of matter.

EXPLORING THE OCEAN DEPTHS

Dr. Ross Chapman (Earth & Ocean Sciences) is enhancing the ROPOS (Remotely Operated Platform for Ocean Science) submersible, making it the first-choice submersible for ocean science worldwide. The modifications, funded by nearly $1 million from the Canada Foundation for Innovation, will enable ROPOS to transmit real-time video from the seafloor to researchers on land, obtain more kinds of simultaneous observations and navigate accurately in deep water. UVic researchers use ROPOS to study deep-sea ecology and biodiversity, resources from hydrothermal vents, and gas hydrates — a potential energy source. Using ROPOS in 2002, Chapman discovered the largest deposit of methane hydrates ever found on the seafloor off Canada.
MORE DOCTORS FOR BC
UVic is helping address the province’s physician shortage by collaborating with the University of British Columbia, the University of Northern BC and the provincial government to implement the new Island Medical Program. Together, these three institutions offering UBC’s undergraduate medical degree aim to nearly double the number of medical student spaces in BC by 2010. Dr. Oscar Casiro was appointed head of UVic’s new Division of Medical Sciences, which will welcome its first medical students in January 2005 and be housed in the provincially funded $11.9-million Medical Sciences Building recently completed at UVic. The building will be the first on campus to apply for Leadership in Energy and Environmental Design (LEED) certification.

KNOWLEDGE TO COMBAT ADDICTIONS
New insights into the causes, prevention and treatment of addictions will result from the creation this year of the UVic-led Centre for Addictions Research of BC (CAR-BC). Established with a $10-million endowment from the BC Addictions Foundation and in partnership with other universities across the province, CAR-BC coordinates province-wide, interdisciplinary research into a range of research questions related to substance use. Under the leadership of founding director Dr. Bonnie Leadbeater and internationally renowned current director Dr. Tim Stockwell, the centre focused its activities in its first year on fetal alcohol syndrome, epidemiology of substance use, the relationship between substance use problems and mental illness and the prevention of harm from substance use among youth.

PROTEIN RESEARCH GETS A BOOST
The UVic-Genome BC Proteomics Centre has achieved national status as a resource providing sophisticated proteomics (examinations of the proteins in an organism) and protein chemistry analysis for over 150 laboratories across Canada. Additions to its equipment arsenal this year have enhanced the centre’s ability to tackle increasingly difficult proteomics problems, enabling it to expand its support of large-scale research efforts in forestry, fisheries, cancer and other health-related issues. The upgrade was made possible by more than $1 million in funding from the Western Economic Diversification Fund and MDS Metro Laboratory Services, with whom the centre has partnered to develop more accurate medical diagnostics and treatments.

CREATING A HEALTHIER SOCIETY
Pioneering research on informal health care support services for seniors earned Canada Research Chair in Social Gerontology Dr. Neena Chappell a Career Achievement Award from the Confederation of University Faculty Associations of BC.

Dr. Robert Chow, appointed Canada Research Chair in Retinal and Early Eye Development, develops and uses genetic models to understand hereditary human vision disorders and the complex biology of the retina.

Dr. Asit Mazumder, NSERC Research Chair on the Environmental Management of Drinking Water, is leading an international study of how molecular and biochemical tools can be used to track bacterial and chemical contamination in drinking water, funded by the Canadian Institutes of Health Research, Health Canada, Agriculture Canada and private industry.
Dr. Jim Tully (Political Science) was chosen one of the first four recipients of the Trudeau Foundation Fellows Prize for outstanding contributions to issues of public policy.

Linguist Dr. Tom Hukari and research assistant Ingrid Louie (Chemainus First Nation) are among those involved in a major effort to revitalize the two Salish languages SENCOTEN and Hul’q’umi’num’. UVic and regional Native communities joined forces for the project, a Community University Research Alliance funded with $900,000 from the Social Sciences and Humanities Research Council. Participants have already produced a Hul’qumi’num’ dictionary and system of writing. Under the guidance of Salish members and elders, linguists from UVic and native communities are building on traditional ways of teaching languages by developing computer-based and on-line resources.

Aboriginal high school students from across BC took part in UVic’s first Aboriginal student mini-university program in July. Designed to encourage more Aboriginal youth to consider university, the program exposed them to a wide range of fields of study.

The Canadian Bureau of International Education presented its International Education Leadership Award to Dr. Alan Pence (Child & Youth Care), its Internationalization Leadership Award to Dr. Bill Neilson (Law) and its Internationalization Service Award to Jane Collins (Business).
In celebration of its fifth birthday, UVic spin-off company Half-Baked Software Inc donated all of its May 2004 revenue — $10,870 — to a number of charities internationally, nationally and locally.

UVic's 2003/04 campus campaign resulted in a record donation of $178,626 to the Greater Victoria United Way.

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UNIVERSITY OF VICTORIA EXECUTIVE

Dr. David H. Turpin, President and Vice-Chancellor
Prof. Jamie Cassels, Vice-President Academic and Provost
Mr. Jack Falk, Vice-President Finance and Operations
Ms. Sheila Sheldon Collyer, University Secretary
Dr. S. Martin Taylor, Vice-President Research
Ms. Faye Wightman, Vice-President External Relations

HONORARY DEGREES CONFERRED

September 2003
Mary Robinson, Ireland’s first woman president, former UN High Commissioner for Human Rights

November 2003
Dr. Alan Astbury, UVic physicist, renowned particle physicist
Robert Bateman, leading wildlife artist and conservationist
Frank Calder, founding member of the Nuu-chah-nulth Tribal Council, first Aboriginal cabinet minister in Canada
Diana Krall, Grammy Award-winning jazz vocalist and pianist

June 2004
Dr. Morris Cohen, health information pioneer
Jane Helflinger, Victoria arts activist and fundraiser
Richard Hunt, respected Kwagiulth artist
Stephen Lewis, UN special envoy for HIV/AIDS in Africa
Claire L’Heureux-Dubé, retired Supreme Court of Canada justice
Percy Wilkinson, Victoria educator and public servant

UVIC IS PEOPLE

• UVic student enrollment, 2003/04: 18,415, including 2,359 graduate students
• 67,756 alumni
• 4,287 employees
• 704 regular faculty

OUTSTANDING EDUCATIONAL EXPERIENCE
UVic is a leader in experiential learning, with western Canada’s largest university co-operative education program, integrating academic studies with relevant paid work experience in more than 40 academic areas. In 2003/04, UVic co-op students completed 2,547 work term placements across Canada and in 34 other countries.

UVic graduates report the highest level of satisfaction among all BC university grads: 97 per cent of UVic graduates report that they are “very satisfied” or “satisfied” with their choice of programs, and 96 per cent rate the quality of instruction as “very good” or “good.”

UVic has more than 100 active educational exchange programs with institutions in 30 countries around the world.

LEADERSHIP IN RESEARCH
UVic researchers were awarded $59.1 million in outside research grant and contract funding in 2003/04.

UVic leads all other comprehensive universities in Canada in size and number of medical and science grants per faculty member.

UVic researchers had an astounding 94 per cent success rate in this year’s competition for research funding from the Natural Sciences and Engineering Research Council.

UVic is one of the top three comprehensive universities in Canada in size and number of social sciences and humanities research grants per faculty member.

A VALUED COMMUNITY RESOURCE
UVic generates $1.478 billion annually in economic activity, including such direct and indirect expenditures as salaries and benefits, student and visitor spending, taxes, spin-off companies, patents and licenses and the effects of an educated workforce.

UVic is a major cultural resource for the community. Each year, plays, concerts, ceremonies, art exhibitions, conferences, community educational programs, public lectures, films and athletic events at UVic attract a combined audience of nearly 600,000.

UVic’s Innovation and Development Corporation has assisted 25 UVic spin-off companies and filed patents for 45 new inventions based on UVic research.

GOVERNANCE AND UVIC FACTS

REACHING NEW HEIGHTS

PHD candidate Erin Roncese (Interdisciplinary Studies) received one of five North American IHR Mellon Dissertation fellowships to pursue research at the University of London’s Institute of Historical Research.

Master’s student Mark Neufeld (Visual Arts) received the inaugural Joe Pliskett Foundation Award. The $25,000 award is presented to a Canadian painting student to fund a year of travel and study in Europe.

UVic Chancellor Dr. Ronald Lou-Poy was inducted into the Order of Canada, the country’s highest award for lifetime achievement, for his exemplary commitment to voluntary community service.

Men’s soccer coach Bruce Wilson was awarded the Centennial Order of Merit for Canada from the Fédération Internationale de Football Association, to honor his profound influence on the history of soccer.

Dr. Raymond Siemens, appointed Canada Research Chair in Humanities Computing, will build on UVic’s strengths in electronic text development.