THE UNIVERSITY OF BRITISH COLUMBIA

UBC REPORTS

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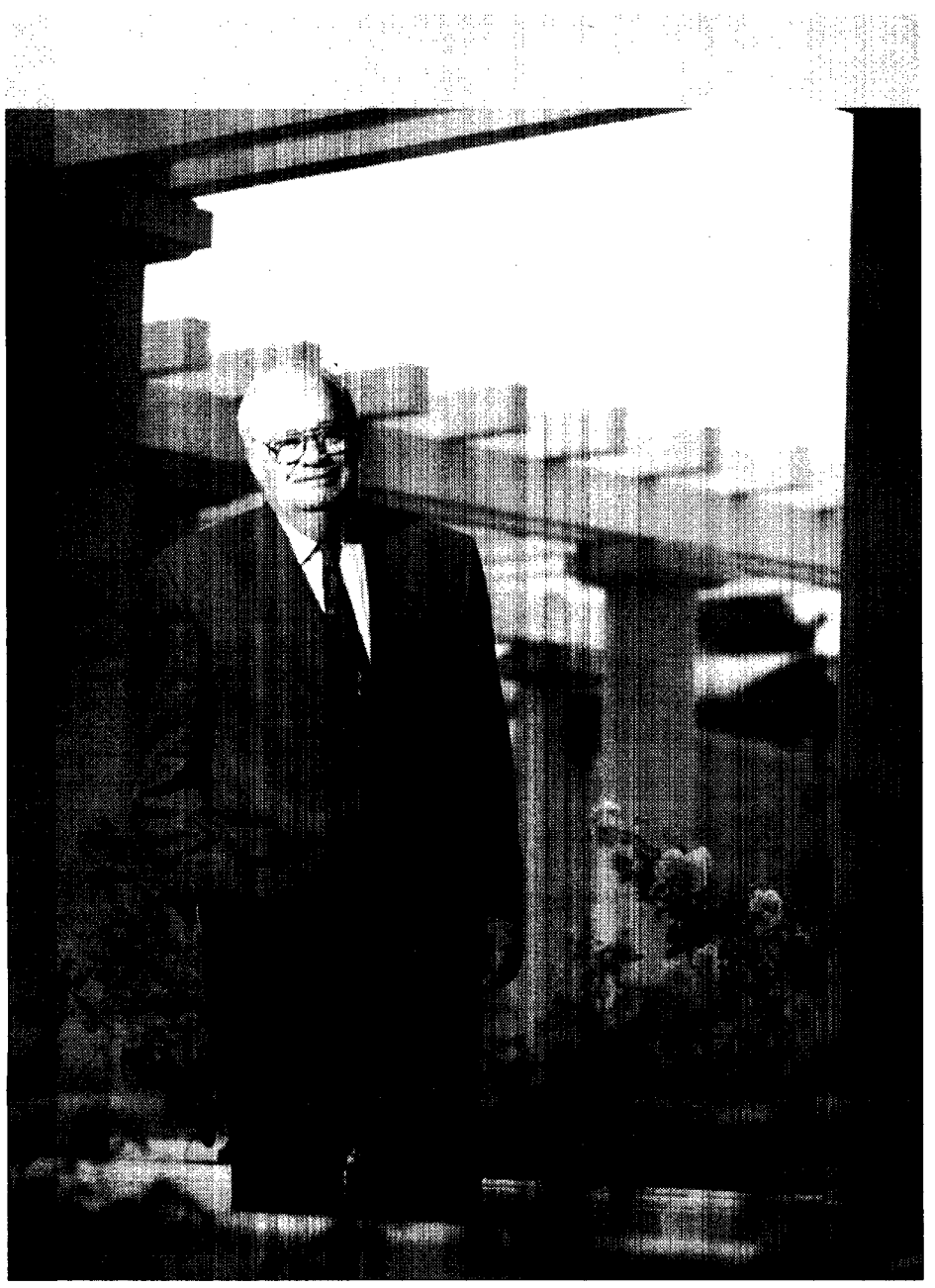

Kent Kallberg photo

In the 12 years since David Strangway became president of UBC in 1985, the university has developed impressive new facilities for research and teaching, an international reputation, closer ties with the Asia Pacific, and one of the healthiest endowments among Canadian universities.

Vision, hard work leave legacy to learning

When David Strangway steps down as UBC's 10th president at the end of this month, he leaves a university greatly shaped by his vision and dedication.

Since arriving at UBC in 1985, Strangway has been the driving force behind changes that have seen UBC reach out to local and international communities while creating academic initiatives, international ties and new facilities which have secured UBC's position among North America's top universities.

The university has gained an international reputation for research and teaching, drawing students, academics and researchers from across the country and around the world to share in and contribute to UBC's wealth of expertise.

UBC's World of Opportunity Campaign raised $262 million for new programs, chairs, endowments and facilities. The campaign, which was the most successful in Canadian university history, reflects Strangway's success in moving UBC from being a cash-strapped institution in the mid-1980s to a university whose growth in areas of endowments, academic programs and new facilities is unrivaled in Canada. The university has built a $525-million endowment aimed at ensuring it remains a leader in education and research.

The introduction of new academic initiatives such as the Disability Resource Centre, the Jack Bell Chair in Schizophrenia, the Chair in Spinal Cord Research, Brenda McLean Endowment in the Creative and Performing Arts, Ronald L. Cliff Professorship in Accountancy, Peter Wall Institute for Advanced Studies, and the Dorothy Lam Chair in Special Education, to name a few, illustrate the extent to which Strangway's vision touches the university and the community beyond.

New facilities such as the Chan Centre for the Performing Arts, the Forest Sciences Centre, Walter C. Koerner Library, First Nations Longhouse, Morris and Helen Belkin Art Gallery, David Lam Management Research Centre and the Chemistry-Physics Building, have changed the physical shape of the campus and improved opportunities for teaching, research, and public educa-

See ***LEGACY*** *Page 5*

European Studies new centre's focus

by Stephen Forgacs

Staff writer

UBC is joining with European partners in business and government to establish a permanent Institute for European Studies within the Faculty of Graduate Studies. The institute will be devoted to interdisciplinary research and to graduate education leading to MA and PhD degrees in European Studies.

The institute will be funded jointly by the German government through the Deutscher Akademischer Austausch-Dienst (DAAD), other European governments, the European private sector and UBC for eight years after which funding will be provided through an endowment.

Prof. Peter Stenberg, head of the Dept. of Germanic Studies and chair of the institute's steering committee, said the institute will make UBC and Vancouver a national centre for activity related to Europe and a key meeting point in North America for European scholars.

Similar institutes exist in the U.S. at Berkeley, Harvard and Georgetown universities. Another, also funded in part by DAAD, was recently established in Birmingham, England.

Stenberg said the creation of the institute will serve to enhance UBC's ties to Europe and, because of the university's strong relationship with Asia, help bring Asian and European students and academics together.

"We are very Asian and Pacific Rim oriented here," said Stenberg. "The institute will remind us that we also have strong European interests. And it will be interesting to see if the institute becomes a meeting place of sorts for Europe and Asia."

See ***CENTRE*** *Page 2*

Refugees pursue studies thanks to campus help

by Gavin Wilson

Staff writer

In his native Rwanda, Willy Rangira lived in fear for four years. It was dangerous to venture out after dark in case he encountered soldiers or bands of Hutu men looking for a Tutsi such as himself.

"I managed to survive the 1994 genocide," he says now, "but when it was over I had to leave my friends and family behind in search of a better future."

He fled to Kenya, where he eked out an existence tutoring French and grew increasingly despondent about his life as a refugee.

Rangira

Now, thanks to a World University Service Canada (WUSC) program for refugee students, Rangira is studying first-year Arts at UBC. He is one of three students who have recently arrived at UBC under the program. The others are Milada Tanovic of Bosnia and Joseph Bartel of Sudan.

"The challenge of adjusting to life in a new country is difficult for anyone," said Glen Peterson, assistant professor of History and the WUSC-UBC faculty adviser, "but it is often especially difficult for refugee students who have been forced to flee their home countries."

"Most of the refugee students who have come to UBC have completed their degrees and gone on to meaningful careers. Some have earned master's degrees and PhDs," he added.

This year UBC will welcome three new WUSC-sponsored students: Pascaline Nsekerabanyanka and Valery Kiyogama from Burundi and Huang Junfeng from China.

WUSC is a non-profit, non-governmental organization dedicated to involving Canadians in international development in Canada and overseas.

The UBC branch dates back to 1947 and has been sponsoring refugee students since 1981. In the past 16 years, 23 refugee students have studied at UBC.

The student refugee sponsorship pro-

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The next voice John Ford hears on his cell phone may well be a whale

Letters

LETTERS POLICY

UBC Reports **welcomes letters to the editor on topics relevant to the university community. Letters must be signed and include an address and phone number for verification. Please limit letters, which may be edited for length, style and clarity, to 300 words. Deadline is 10 days before publication date. Submit letters in person or by mail to the UBC Public Affairs Office, 310 – 6251 Cecil Green Park Road, Vancouver B.C., V6T 1Z1, by fax to 822-2684 or by e-mail to janet.ansell@ubc.ca.**

Gap not filled says reader

Editor:

The "Free dental clinic fills gap for needy kids" article (*UBC Reports*, May 1), is an example of where the use of language fails to tell the whole truth.

The word "gap" has many meanings, including that of "... make up deficiency; (Oxford)", but the UBC dental clinic via the Ministry of Health is not doing it: 2,000 needy teenagers from all over the Lower Mainland and Fraser Valley are to get one month's free dental care. How does this fill the gap of these kids' needs? It doesn't even make a dent to address their needs.

First consider the number of teenagers. In one day anyone could find more than 2,000 teens in need of dental care in the neighbourhood of Grandview Woodlands. To find them is like spitting on the sidewalk. Now consider what one month's dental care would include for all 2,000. Would they get one maybe two teeth filled and a cleaning? Whoopee. After 14 to 16 years of having insufficient dental care this offer is the equivalent of giving a homeless person a blanket during a winter storm.

It's high time the Ministry of Health and all the professions under its auspices started walking their talk. When they do we won't have articles such as this one touting accolades to people who are merely slapping other people in the face.

Alison Cameron
Vancouver

Centre

Continued from Page 1

Initial activities, including the development of degree programs, a seminar series and visiting scholars, will commence in the fall.

The first graduate students will join the institute in September 1998. Stenberg estimated that as many as 30 students will eventually study at the institute, working with members of numerous faculties including Arts, Commerce and Business Administration, Law, Graduate Studies and Education.

The institute's program will be enriched by a steady flow of visitors including visiting professors and writers from Germany and other European nations.

Stenberg also sees the institute as providing an opportunity for Europeans to learn from Canada's experiences with multiculturalism.

"Canada, and Vancouver in particular, have a lot of experience in dealing with challenges related to multiculturalism and immigration. Our experience with these challenges and the solutions we have arrived at are certainly of interest to what is becoming an increasingly multicultural Europe," he said.

Refugee

Continued from Page 1

gram is run entirely by UBC student volunteers who make up the local WUSC committee on campus. They arrange admission, housing and course registration for students before their arrival, and provide personal support throughout the year. Sponsored students automatically become members of the local committee.

WUSC's national executive director Marc Dolgin was recently on campus to sign a revised refugee student support agreement. The agreement includes increased funding from the Alma Mater Society and the Office of Awards and Financial Aid.

Awards and Financial Aid provides a bursary for refugee students that this year was raised to include tuition fees and a book allowance for up to three students per year for the duration of their academic program.

"This makes UBC the leading university in Canada for providing bursary support for refugee students," Peterson said.

Last year, UBC students voted in a referendum to commit one dollar per student to the refugee program, doubling their earlier contribution.

As well, the UBC Faculty Association provides an annual donation of $10,000 to support refugee student sponsorship and other WUSC activities on campus including book drives for needy universities abroad and overseas study opportunities for UBC students.

Edwin Jackson 224 3540
4524 West 11th Avenue, phone & drop in, or by appointment, your place.
As far as your self-control goes, as far goes your freedom. *Marie von Ebner-Eschenbach, 1905*

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THE UNIVERSITY OF BRITISH COLUMBIA

Advisory to our neighbours

Wednesday. July 16. 1997
Thursday. July 17. 1997

Thunderbird Stadium

Due to a concert Thursday, July 17, please expect increased traffic and noise in the areas of Thunderbird Stadium (W. 16th Ave. and Southwest Marine Drive):

- Wednesday, July 16 (evening)
- Thursday, July 17 (all day and evening)

For more information, call UBC-INFO (822-4636).

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THE UNIVERSITY OF BRITISH COLUMBIA

Department of Anatomy Head

The Faculty of Medicine, University of British Columbia invites applications and nominations for the position of Head of the Department of Anatomy.

We seek an academic leader, internal to UBC, who will direct and develop the teaching and research programs of the department. The department has 15 full-time faculty members and four part-time/clinical faculty members and attracts research support of approximately $1,000,000 annually. Candidates should have a proven record of scholarly achievement, a strong research background, a commitment to undergraduate and graduate medical education and the ability to encourage and develop interdisciplinary initiatives. Starting date will be Sept. 1, 1997. Salary will be commensurate with experience and qualifications. This appointment is subject to final budgetary approval.

UBC hires on the basis of merit and is committed to employment equity. We encourage all qualified persons to apply.

In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents.

Applications, accompanied by a detailed curriculum vitae and the names of three referees, should be directed by July 31, 1997 to:

Dr. John A. Cairns,
Dean, Faculty of Medicine
Room 317, Instructional Resources Centre
University of British Columbia
2194 Health Sciences Mall
Vancouver, B.C. V6T 1Z3

UBC REPORTS

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UBC Reports welcomes the submission of letters and opinion pieces. Opinions and advertising published in *UBC Reports* do not necessarily reflect official university policy.

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Crash Test

Stephen Forgacs photo

Paramedics work on an accident "victim" while others await treatment curbside following a staged collision between a passenger van and pickup truck on Health Sciences Mall recently. Co-ordinated by UBC Health, Safety and Environment, the scenario allowed staff from the Fire Dept., B.C. Ambulance Service, RCMP, UBC Parking and Transportation and Campus Security, Health, Safety and Environment, the Vancouver Hospital and Health Sciences Centre - UBC Site, and the UBC Public Affairs Office to test response and co-operation in emergency situations.

CANADA'S YEAR OF ASIA PACIFIC 1997 L'ANNÉE CANADIENNE DE L'ASIE-PACIFIQUE

Canada's Year of Asia Pacific

APEC Canada 1997

Students set to voice diverse opinions

Some UBC students will greet this fall's APEC Economic Leaders' Meeting with picket signs, others with open arms.

News that the Asia Pacific Economic Co-operation Economic Leaders' Meeting will be held Nov. 25 at UBC has garnered reactions among students that run the gamut from opposition to active support.

A group called APEC Alert is holding rallies, panel discussions and other events to outline their opposition to the APEC leaders' meeting.

They strongly believe the campus should not be the venue for the meeting due to human rights violations in some member economies.

The Alma Mater and Graduate Student societies have adopted more moderate policies, but are also concerned about human rights issues. The AMS is planning to sponsor a major conference on APEC issues in the fall, with the hope of presenting a final conference document to APEC leaders or senior officials.

AIESEC (a French acronym for International Association for Students in Economics and Commerce) is an international student group supported by business and industry that organizes international student exchanges.

Its UBC members are planning an APEC Young Business Ambassadors program to bring in students for work-study tours throughout the summer. As well, they are attempting to arrange temporary work placements in APEC economies for Canadian university students.

They also plan an APEC-related conference, the Youth APEC '97 Forum Oct. 2-3, which will bring the Young Business Ambassadors and other representatives of the Asia Pacific region together with Canadian students, academics, business leaders, non-governmental organizations and government representatives.

The APEC-University Forum is another group of UBC students that plans to provide information and discussion on APEC issues through a series of meetings, panels and cultural events throughout the summer and fall terms.

These events are intended to provide an opportunity for students to voice both their interests and concerns on APEC issues ranging from trade liberalization to human rights to create a better understanding of the benefits APEC can bring.

UBC students are also taking part as individuals in a whole range of APEC and CYAP (Canada's Year of Asia Pacific) academic and youth conferences.

These include an electronic conference associated with the APEC Trade Ministers' meeting in Montreal, an APEC study centre symposium in Banff and the CYAP Youth Conference planned for Winnipeg in October.

Increasing numbers of students — especially from the Faculty of Commerce and various international programs — have come forward to act as volunteers for APEC. Screening and placement is being handled by the APEC Canadian Co-ordination Office in Vancouver.

More information about APEC and UBC's involvement can be found on the World Wide Web at www.ubc.ca under "News, Events and Attractions."

Top students tackle Shad summer projects

Fifty-two top math and science students from Canadian high schools will gain some insight into the lives of people with visual impairments this summer as they participate in the Shad Valley Program at UBC.

Students will develop a product or service to help people with visual impairments as one of two major projects they will undertake.

A second project involves the creation of a product or service that will promote appreciation or awareness of the natural environment.

The program's theme this year is Ways of Seeing.

The Shad Valley Program immerses some of Canada's brightest young minds in the world of science, technology and entrepreneurship. Students are selected for the program on the basis of their academic achievements and leadership potential.

Shad Valley Director Alice Cassidy said the program is supported by the public and private sectors in Canada and other countries who place students in jobs for the month of August upon completion of the Shad program.

"One of the best things about the program is that it shows students that they can do a variety of things with the skills they have. Many enter the program with the idea that they will become a doctor or engineer. We show them ways to use their skills to the best of their abilities and to do a variety of things," said Cassidy. "They learn that they can be an architect and a writer, or a doctor and a researcher."

While at UBC, the students participate in a variety of workshops and lectures touching on subjects ranging from the Internet to earthquakes to biomechanics. Workshop titles include: Evolution of a Technology Business; Cooperation, Competition and Group Processes; Music Metamorphosis; DNA Detective; and Wildlife Biology among others.

Committee considers faculty club options

The Advisory Committee on the Faculty Club continues to examine the feasibility of re-opening the former Faculty Club building as a financially viable gathering place.

Over the past six months, the committee has spent many hours discussing and investigating different options for a university gathering place, said committee chair Jacqueline Rice, director of UBC's Financial Services.

A survey was developed and administered to a broad constituency of the university community in April of this year. The committee designed the survey to gather input on the needs and wants of all university members regarding a social centre.

"Overall, survey respondents indicated strong support for a university gathering place and emphasized the importance of such a facility to individuals and to the university as a whole," Rice said.

The survey results also showed that the majority of respondents would only use the facility during the daytime hours, with lunch being the most desirable service. Due to the changing demographics and lifestyles of the university community, evening and weekend use would be minimal, survey results showed.

"The lack of business for food facilities during off-peak hours would require membership dues to be charged to ensure financial viability," she said. "Respondents to the survey clearly indicated their support of a gathering place would diminish as membership fees increased. Many respondents felt that a university social centre should be a non-elitist, non-membership oriented entity."

After lengthy discussions with Campus Planning and Development, the committee also concluded that a significant initial capital investment would be required to upgrade and renovate the existing building. This capital could only be obtained through a major fund-raising initiative.

"The committee realized that these barriers to a stand-alone social centre may be overcome by combining efforts with other entities on campus. To this end, the committee is now actively pursuing a partnership with the proposed Liu Centre for International Studies, and with the Housing and Conferences Dept.," Rice added.

The concept that appears the most financially viable will be presented to the Board of Governors at its July 24 meeting. This concept consists of the following general plans:

- The bottom floor of the Faculty Club building be used as a centre for international studies (the Liu Centre), consisting of 31 offices, meeting and seminar space. The Erickson wing will be available for catered functions such as receptions.
- The main floor of the building be used to house a university gathering place, consisting of a dining room, kitchen, lounge and bar facilities, as well as a lobby/reception area and possibly reading or conference rooms. These facilities would be available to everyone, including the general public.
- In addition, the third floor has the potential to provide space for a university gathering place and additional meeting and social areas. In order for the facility to be financially viable, one half of the third floor must generate rental revenue. Space allocations between the second and third floors of the building are flexible, and the committee is investigating different design options.
- All meeting rooms, conference, and social space would be available for rental by any member of the university community or the public.
- A new residential complex would be built to the southwest of the former Faculty Club building, and would provide approximately 110 rooms and suites to be rented to university visitors and Liu Centre delegates. The development of this residence would allow the present Gage Court rooms to be redesigned as additional student housing. Housing and Conferences Dept. staff would also be relocated to this new building. The committee does not support a commercial hotel at this location.

"The Advisory Committee on the Faculty Club is optimistic that the synergies created by this joint project will provide advantages for the entire university community," Rice said.

"The committee believes that a social gathering place is important to this community and recognizes that in times of fiscal restraint and cutbacks compromises need to be made. The majority of the committee supports incorporating the gathering place with an international study centre and a residential complex and believes a partnership would serve the best interests of the university and the surrounding community."

Comments and questions on the committee's report are welcome. If you would like further information, please contact Jacqueline Rice, Chair, Advisory Committee on the Faculty Club, 822-4800 or Lyn Manning at 822-2455, e-mail lyn@finance.ubc.ca.

David Strangway, president, 1985-1997

Friends, colleagues say farewell

During the 12 years that David Strangway has served as UBC's president, the university community has grown to include a great number of friends and partners in British Columbia, across Canada and around the world.

As president of UBC, Strangway has worked closely with a vast number of individuals on campus, and in the public and private sectors in Canada and abroad. The relationships he has built with hundreds of people during his term allow UBC to benefit from an extended network of friends and partners.

People who have met or worked with Strangway in past years are quick to acknowledge the impact he has had on UBC. They are also bound to mention the respect he has earned for his dedication and commitment to excellence in education.

Kent Kallberg photo

The UBC Board of Governors is pleased to acknowledge the vision, leadership and accomplishments of David Strangway during his 12 years as president.

Dr. Strangway has been instrumental in the building of UBC's national and international reputation as an academic institution of excellence in teaching and research. He has built lasting relationships and partnerships with other post-secondary institutions and with businesses and individuals throughout Asia and the Pacific.

Dr. Strangway has left UBC outstanding legacies of new buildings like the Chan Centre for the Performing Arts and the Koerner Library; and the third largest endowment of any Canadian university. His fundraising successes are legendary with the "World of Opportunity" capital campaign exceeding its goal. The benefits that flow from the development of university lands for housing will be enjoyed by future generations of students. The Outstanding Student Initiative continues to attract and keep excellent students while also improving access.

With David Strangway, UBC has entered a new era of cooperation with the Greater Vancouver Regional District. The Official Community Planning process and the Municipal Governance Study will yield unprecedented change and opportunities for the university.

Thank you to David and Alice Strangway for their tireless service and dedication to UBC.

Shirley Chan
Chair, UBC Board of Governors

David Strangway proved to be the right person at the right time. Through his leadership and vision, the university strengthened both its community and international ties and recognition as a centre of excellence, while successfully running the biggest capital campaign in its history. David didn't run a popularity contest but he earned everyone's respect, and that's what it's all about.

Peter J. G. Bentley
Chairman, Canfor Corporation

The relationship between the Alumni Association and the university has evolved during David Strangway's presidency and continues to evolve.

I was fortunate to be president of the Alumni Association in 1996/97 when these two independent but complementary entities enjoyed an atmosphere of communication and support.

It was always a pleasure to meet with the president. He is a man of vision, of great intellect, of tremendous energy but also someone who is down to earth, practical, who listens, who contributes to ideas presented by others and who is open to creating new solutions.

We will miss David at UBC but should be extremely excited about his future visions — yet more contributions from an individual who has already contributed more to our society than most could ever dream about. I wish David and Alice the very best.

Tricia Smith
Past-President
UBC Alumni Association, 1996-97

During his 12-year term as president of UBC, David Strangway's vision and expertise have taken the university to a new level by stimulating incredible corporate, government and community partnerships which will benefit the university for decades to come.

It was because of Dr. Strangway that I came to UBC and have been able to continue the legacy of the Man in Motion World Tour through the creation of the Disability Resource Centre and most recently the Rick Hansen Institute.

Through his support the university has been transformed into one of the most accessible in Canada. It has been a great pleasure for me to work with David Strangway, and a privilege to have the opportunity to get to know this exceptional person.

Rick Hansen
Executive Director
Rick Hansen Institute

Warren Schmidt photo

With Sweden's visiting King Carl Gustaf XVI on campus.

Walking around our beautiful campus one is very much aware of the impact David Strangway has had on UBC. Crowned by the spectacular Chan Centre, the face of UBC is changed forever. More importantly, David Strangway has challenged us to seek excellence in every aspect of university life. As our graduates who have lived at Green College, played on the stage of the Chan Centre, created high-tech companies in the Gerald McGavin building, or lifted weights in the new sports facility, emerge as leaders in their chosen fields, we will honour his vision and leadership.

Haig Farris
President, UBC Alumni Association

I have been very fortunate to have worked with Dr. Strangway for the last 12 years.

Under David Strangway's leadership, the University of British Columbia has grown in size and stature. Its finances are in better shape now than they have ever been in the institution's history (from a $50-million endowment to over $500 million today) and it enjoys a reputation as one of the premier universities on the Pacific Rim.

Thank you David, for carving a path for the future of our university with your great wisdom and foresight.

Robert H. Lee
UBC Chancellor, 1993-96

" David Strangway proved to be the right person at the right time."

—Peter J. G. Bentley

Tributes from the community

History should record David Strangway as one of the most successful university presidents in Canada. Those of us who served on the search committee to find the best person to serve as president of UBC had no difficulty in concluding that Dr. Strangway was that person. In retrospect I believe he has exceeded our expectations both in fundraising, developing the campus and establishing an international reputation for our university. Based on my experience as a member of the Board of Governors and Senate, Chancellor and Chair of the UBC Foundation, I always found him open to consultation and discussion and his integrity and dedication to the university and the students has never been open to question. We have been extremely fortunate to have had David Strangway as the president of our university.

Leslie R. Peterson, QC
UBC Chancellor, 1987-93
Chair, UBC Board of Governors 1979-83

Universities draw their strength from their communities. Great universities embrace this relationship as a way to define scholarship and education, as a way to sharpen intellectual debate, and as a way to improve the world. The particular situation in a Faculty of Forestry differs little, except that our success depends critically on the success of the university in making these connections.

David's focus on external relations has opened the door for Forestry to become more firmly connected with its external constituents — alumni, government agencies, environmental organizations and the forest products industry. Without these linkages, it would be impossible to maintain high quality by striving for excellence.

And, without excellence the University of British Columbia will serve it community only poorly. David blazed the trail for us all.

Clark S. Binkley
Dean, Faculty of Forestry

"It would be hard to find a university president in Canada who has done more for his university."

—Martin Hollenberg

When David Strangway arrived at the University of British Columbia in November 1984 there was considerable unrest on campus in the 18 months preceding his arrival. Two presidents had come and gone.

Much of this occurred as a result of a severe government restraint program necessitating the downsizing of faculties and the termination of a number of programs. In addition, the university was very short of capital dollars, with the result that the physical plant was in disrepair, research capital was limited and no new buildings had been constructed for many years.

Within a short period of time, David addressed these problems and initiated a program to reverse the financial problem.

I view the fundraising program as the most significant development under David's term as president. Coincidentally, this program was so broadly and geographically based that it developed many new friends for the university.

The construction program that was initiated in the late 1980s resulted in the unfinished university becoming not only finished, but a very modern institution in all respects.

The real contribution of David Strangway to the university, the people of the Province of British Columbia and to Canada will not be fully understood until several years after his presidency.

At that time his greatness and his contribution will be recognized and his place as UBC's number one president acknowledged.

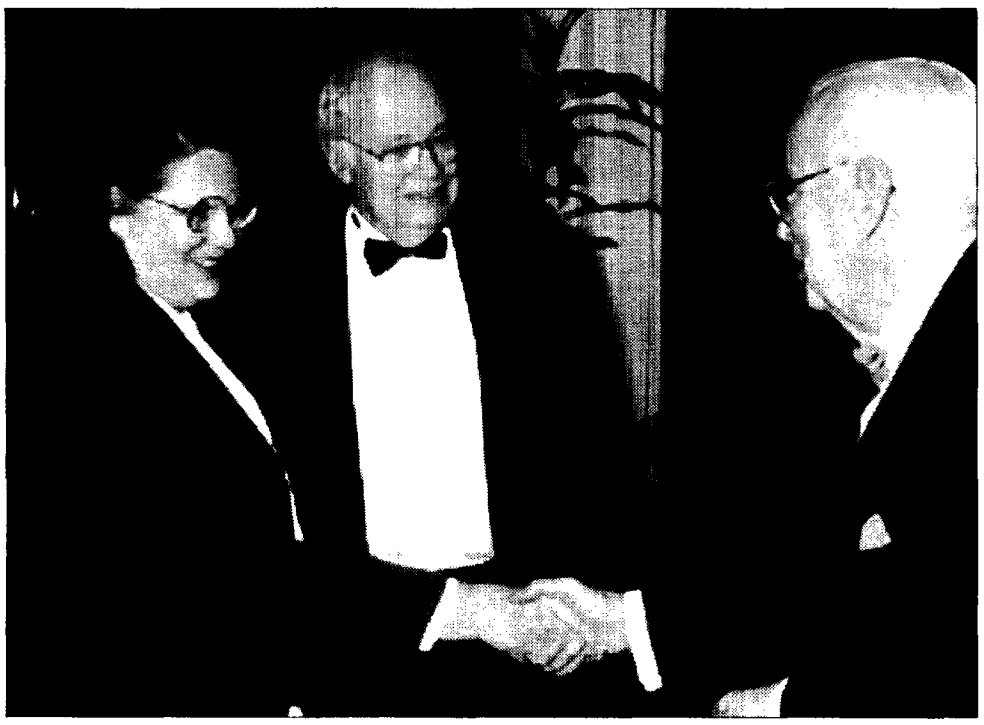
W.R. Wyman
UBC Chancellor, 1984-87
Chair, World of Opportunity Campaign, 1989-93

It would be hard to find a university president in Canada who has done more for his university than David Strangway.

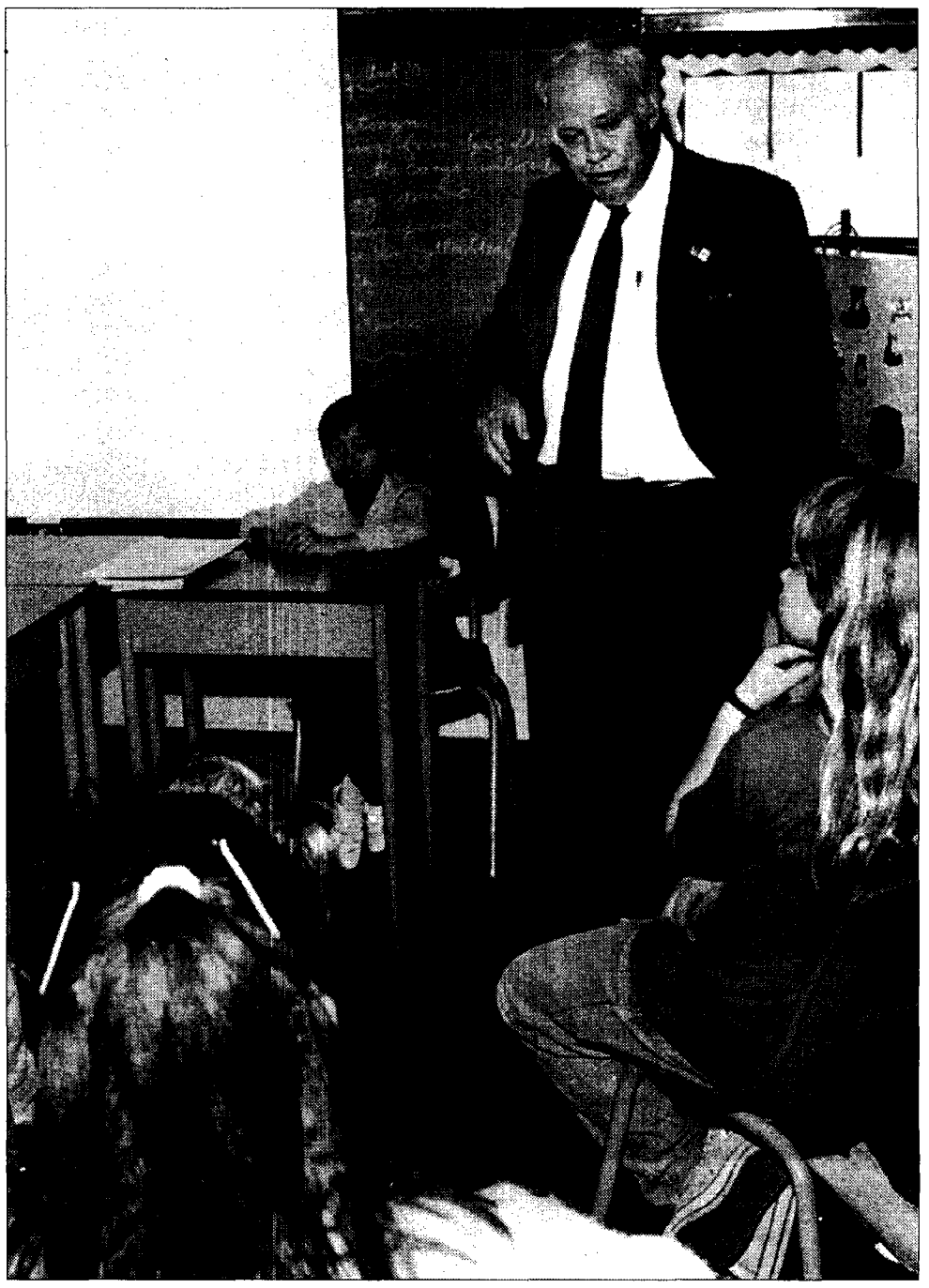
A man of great vision and enormous energy and persistence, David has worked hard to prepare UBC not just for the near future, but for the challenges it will meet 10 to 20 years from now.

He has left an enormous legacy that will continue to grow with time.

Martin Hollenberg
Dean, Faculty of Medicine 1990-96



David and Alice Strangway have met with countless friends and supporters of the university in the past 12 years.



Speaking to students at Stride Avenue Elementary School in Burnaby for Science in the Schools program.

It is difficult for me to write these words on the occasion of David Strangway's retirement. No one over these many years has done more for UBC than David, and we will miss him in the President's Office. Over the 12 years that I have come to know him, he has recreated this institution as a modern university ready for the challenges of the next century. His work to create a dedicated constituency for UBC not only in North America, but also in the Far East, has been outstanding, as have been the many other extraordinary endeavors he has undertaken on our behalf. We send him and Alice our very best wishes for the future.

The Hon. Nathan T. Nemetz
UBC Chancellor, 1972-75

Legacy

Continued from Page 1

tion and entertainment.

The university's Official Community Plan is being developed to ensure development at UBC addresses the needs and concerns of the immediate community and the region.

Student life has been enhanced by the creation of many new scholarships as well as the construction of Green College and St. John's College, which bring together in residence graduate students from a range of disciplines. Wired in advance for new technology, the Thunderbird Student Residences were built with the needs of present and future students in mind. New scholarships ensure students have an opportunity to pursue excellence in graduate and undergraduate education at UBC. Thousands of present students and recent graduates have reaped the benefits of Strangway's efforts. Of all UBC alumni, 42 per cent received their degrees during his two six-year terms as president.

Under Strangway's leadership, UBC has built on its international relationships. Today UBC has more than 150 academic agreements with institutions in Asia, North America, Central America, South America, Europe, Africa and Australia. UBC's exchange program allows students to spend a portion of their studies in another country, gaining insight into other cultures and new ideas while serving as ambassadors for UBC and Canada. UBC has achieved a goal set in 1989 of having five per cent of undergraduate students spend a year or term studying abroad and is the most active university in Canada in this area.

After he leaves UBC, Strangway intends to provide further opportunities for advanced education to students from around the world through his plan to establish a small, private undergraduate university in B.C. UBC students—past, present and future—will continue to realize the benefits of a UBC education, and of his vision and dedication, for many years to come.

Calendar

July 13 through August 16

Monday, July 14

Vancouver School of Theology Summer School
Who Is This Jesus? Dr. Michael Bourgeois. St. Andrew's College, Saskatoon. VST Iona Bldg., 8:30-10:30am. Continues to July 18. $225. Retired $113. Call 822-9815.

Vancouver School of Theology Summer School
All The Trees Shall Dance For Joy: Sacred Acts. Sally Armour Wotton, Alexandra Caverly Lowery, Kelly Walker. VST Iona Bldg., 9am-4pm. Continues to July 18. $200. Call 822-9815.

Vancouver School of Theology Summer School
Christianity and Enculturation. Fr. Vincent Donovan, co-sponsored with the Native Ministry Consortium. VST Iona Bldg., 9am-12noon. Continues to July 18. $225; retired, $113. Call 822-9815.

Science Summer Camps
Summer Science Camp For Kids Ages 6-14. Offered by the Outreach Program in the Dept. of Physics and Astronomy. Continues to Aug. 8. Hennings 208, 9:30am-3:30 or 4:30pm. $160 to $225 depending on session. Call 822-3853.

Vancouver School of Theology Summer School
Keeping Faith: Theology And Living With Spirit In The World. Dr. Marilyn J. Legge, St. Andrew's College, Saskatoon. VST Iona Bldg., 1:30-3:30pm. Continues to July 25. $280; retired, $140. Call 822-9815.

Vancouver School of Theology
Leaving A Legacy: Wisdom Of Our Seniors. Roy Bonisteel, journalist and former host of CBC's "Man Alive." VST Iona Bldg., 1:30-3:30pm. Continues to July 18. $225; retired, $113. Call 822-9815.

Biochemistry and Molecular Biology Discussion Group
Linear Bacterial Chromosomes: How They Reproduce And How They Mate. Prof. Carton W. Chen, Genetics, National Yang-Ming University. Copp 2002, 3:45pm. Refreshments 3:30pm. Call 822-3178.

Resident Speaker Series
The Quest For Distinction: Reflections On The Labour Process In Rural India. Vinay Gidwani, Economics. Green College 5:30pm. Call 822-6067.

Regent College Public Lecture
Eastern Orthodox And Evangelical Spirituality: The Core Of A Common Agenda. Bradley Nassif, Ji Packer. Regent College Chapel, 8-9:30pm. Call 224-3245.

Tuesday, July 15

Calligraphy Exhibition
On The Edge Of Language: An Exhibition And Exploration Of The Chinese Visual Art Of Shu Fa. Works by Yukman Lai and students. Continues to July 30. Choi Lounge, 10am-4pm (Mon-Fri); 10am-5pm (Sat.). Demonstration July 19 12:30-1:30pm. Call 822-2629.

Vancouver School of Theology Public Lecture
Fade To Black: The Rise And Fall Of Journalism. Roy Bonisteel, Journalist and former host of CBC's "Man Alive." VST Chapel of the Epiphany, 7:30-9pm. Call 822-9815.

Wednesday, July 16

Regent College CrossOver Arts Festival Opening
Jeremy Begbie, Carol and Stewart Henderson (a whimsy); Loren Wilkinson, Luci Shaw (poetry); Lisa Calverly (dance); Rags to Glory gospel choir. Regent College Chapel, 8-10pm. Call 224-3245.

Thursday, July 17

Vancouver School of Theology Public Lecture
Speaker from the Native Ministry Consortium Faculty. VST Chapel of the Epiphany, 7:30-9pm. Call 822-9815.

Regent College Public Lecture
Architecture: CrossOver From Heaven To Earth... And Back Again. Stefan Brunhoff. Regent College Chapel, 8-9:30pm. Call 224-3245.

Friday, July 18

Regent College Public Lecture
Weather Forecast: A Poetry Reading. Luci Shaw. Regent College Chapel, 8-9:30pm. Call 224-3245.

Saturday, July 19

Regent College Bus Tour to Mission, Westminster Abbey
The Work Of Father Dunstan Massey. Hosted by Prof. Loren Wilkinson, Interdisciplinary Studies and Philosophy. Regent College parking lot, 12:30-7:30pm. $30 includes bag supper. Call 224-3245.

Calligraphy Workshop
On The Edge Of Language: An Exhibition And Exploration Of The Chinese Visual Art Of Shu Fa. Demonstration, Workshop. Choi Lounge, 2:30-4:30pm. Call 822-2629.

Regent College Concert
Michael Card. Chan Centre for the Performing Arts, 8-10pm. $20 and $17.50 at Ticketmaster, 280-4444. For information, call 224-3245.

Sunday, July 20

Regent College CrossOver Arts Festival
The Top Ten Thousand Of All Time. Ron Reed. Regent College Chapel, 8-10pm. $12. Tickets at Regent College Bookstore, 228-1820. For information, call 224-3245.

Monday, July 21

Vancouver School of Theology Summer School
The Questing Generations: Baby Boomers And Generation Xers. Dr. Wade Clark Roof, U of California, Santa Barbara. VST Iona Bldg., 1:30-3:30pm. Continues to July 25. $225; retired, $113. Call 822-9815.

Regent College Public Lecture
CrossOver: God And The Senses In The Old Testament. Gordon McConville. Regent College Chapel, 8-9:30pm. Call 224-3245.

Tuesday, July 22

Vancouver School of Theology Public Lecture
Seeking God: The Modern Spiritual Quest. Wade Clark Roof, U of California, Santa Barbara. VST Chapel of the Epiphany, 7:30-9pm. Call 822-9815.

Wednesday, July 23

Regent College Public Lecture
The Dancing Fool. Rikk Watts. Regent College Chapel, 8-9:30pm. Call 224-3245.

Thursday, July 24

Board of Governors Meeting
The Open Session Begins at 8am. Fifteen tickets are available on a first-come, first-served basis on application to the board secretary at least 24 hours before each meeting. OAB, Board and Senate room, 6328 Memorial Road. Call 822-2127.

Vancouver School of Theology Public Lecture
Inside Community, Outside Convention: What Is At Stake In Doing Theology? Marilyn J. Legge, St. Andrew's College, Saskatoon. VST Chapel of the Epiphany, 7:30-9pm. Call 822-9815.

Regent College CrossOver Arts Festival
Organ Concert. Edward Norman. St. John's Shaughnessy, 8pm. Tickets $8 and $10 at Regent College Bookstore, 228-1820. For information call 224-3245.

Friday, July 25

Vancouver Early Music Festival 1997
A Baroque Extravaganza. Ellen Hargis, soprano; Marc Destrubé and David Douglass, violins; Margriet Tindemans, viola da gamba; Elisabeth Wright, harpsichord; and the Pacific Baroque Orchestra. Music Recital Hall, 8pm. Pre-concert introduction 7:15pm. Adults, $20. Students/seniors, $16. Call 732-1610.

Regent College CrossOver Arts Festival
Searching For Our Homeland: An Evening Of Poetry, Performance, Humour And Observation. Carol and Stewart Henderson. Regent College Chapel, 8pm. Call 224-3245.

Saturday, July 26

Workshop
Internet Workshop For Building And Design Professionals (PC Platform). Joost Houwen. David Lam Microcomputer Lab. 9am-5pm. $230 (sharing terminal), $270 (dedicated terminal). Call 822-3347.

Calligraphy Workshop
On The Edge Of Language: An Exhibition And Exploration Of The Chinese Visual Art Of Shu Fa. Demonstration, Workshop. Choi Lounge, 2:30-4:30pm. Call 822-2629.

Regent College CrossOver Arts Festival
Classical Concert. Voices Of The Spirit. Carl Strygg, John Friesen, Jeremy Begbie, Eric Hannan and the Pacific Vocal Ensemble. Chan Centre for the Performing Arts, 8-10pm. $17.50 and $20 at Ticketmaster, 280-4444. For information call 224-3245.

Sunday, July 27

Regent College CrossOver Arts Festival
Finale. Choir Numbers, Hymn Sing, Dance. Hendersons, Jeremy Begbie. Regent College Chapel, 7:30-9:30pm. Call 224-3245.

Wednesday, July 30

Skin Cancer Screening Clinic
For UBC students, staff and faculty. Screening done by a dermatologist. Bring sunglasses to check UV protection. Student Health Service, Vancouver Hospital/HSC, Koerner Pavilion, 9-11am. Call 822-7011.

Vancouver Early Music Festival 1997
From Venice To Versailles. Ellen Hargis, soprano; Marc Destrubé and David Douglass, violins; Margriet Tindemans, viola da gamba; and Elisabeth Wright, harpischord. Music Recital Hall, 8pm. Pre-concert introduction, 7:15pm. Adults, $20; students/seniors,$16. Call 732-1610.

Regent College Public Lecture
The 20th Century Is Now: An Introduction To The Internet. Quentin Schultze. Regent College Chapel, 8-9:30pm. Call 224-3245.

Sunday, Aug. 3

Vancouver Early Music Festival 1997
Music From The German Renaissance. The Whole Noyse. David Fallis, tenor. Music Recital Hall, 8pm. Pre-concert introduction 7:15pm. Adults, $20; students/seniors, $16 . Call 732-1610.

Tuesday, Aug. 5

School of Nursing First Summer Institute
Critical And Interpretive Approaches In Research. Dr. D. Allen, U of Washington; Dr. J. Anderson, Dr. B. Paterson, UBC; Dr. M.E. Purkis, Dr. P. Rodney, UVic. Vancouver Hosp/HSC, Koerner Pavilion, 3rd floor, Room T182. Continues to Aug. 7. Aug 5-6, 9:30am-7:30pm incl. lunch, dinner and reading material. Aug 7, 9:30am-5pm. Registration $325 by July 15, $375 after. Students $190 by July 15, $245 after. Call 822-7749.

Wednesday, Aug. 6

Vancouver Early Music Festival 1997
La Fontegara. An Evening Of Renaissance Recorder Consort Music. Peter Hannan, Alison Melville, Nathalie Michaud and Colin Savage, recorders; and Nan Mackie, viola da gamba. Music Recital Hall, 8pm. Pre-concert introduction 7:15pm. $20 adults. $16 students/seniors. Call 732-1610.

Friday, Aug. 8

Vancouver Early Music Festival 1997
Midsummer Madrigals. Vancouver's award-inning Musica Intima vocal ensemble in a delightful programme of Mostly Madrigals from the late English Renaissance. Music Recital Hall, 8pm. Pre-concert introduction 7:15pm. Adults, $20. Students/seniors, $16. Call 732-1610.

Wednesday, Aug. 13

Vancouver Early Music Festival 1997
In Celebration Of Schubert. Sanford Sylvan, baritone and David Breitman, fortepiano. Music Recital Hall, 8pm. Pre-concert introduction 7:15pm. $20 adults. $16 students/seniors. Call 732-1610.

Notices

Morris and Helen Belkin Art Gallery Exhibition
Laughter Ten Years After. Curated by JoAnne Isaak. Morris and Helen Belkin Art Gallery, Tues.-Fri., 10am-5pm, Sat.-Sun., noon-5pm. Continues to July 19. Adults $2, seniors $1, students free with valid ID. Call 822-2759.

Study for Psoriatic Arthritis
The Division of Dermatology is looking for persons 18 years and older, must have psoriasis as well as psoriatic arthritis. Honorarium paid upon completion. Call 875-5296.

Studies in Hearing and Communication
Senior (65 years or older) volunteers needed. If your first language is English and your hearing is relatively good, we need your participation in studies examining hearing and communication abilities. All studies take place at UBC. Hearing screened. Honorarium paid. Please call The Hearing Lab, 822-9474.

Severe PMS?
Vancouver Hospital Sleep Disorders Program is seeking volunteers for PMS study. Must be 18-35 yrs., with marked PMS, in good health, non-shift worker, non-smoker and not taking medications (no Pill). Involves two overnight sleep studies in your home. Honorarium $100. Call Carolyn 822-7927.

Next deadline:
noon, Tues. Aug. 5

UBC REPORTS

CALENDAR POLICY AND DEADLINES

The *UBC Reports* Calendar lists university-related or university-sponsored events on campus and off campus within the Lower Mainland.

Calendar items must be submitted on forms available from the UBC Public Affairs Office, 310–6251 Cecil Green Park Road, Vancouver B.C., V6T 1Z1. Phone: 822-3131. Fax: 822-2684. An electronic form is available on the *UBC Reports* Web page at http://www.ubc.ca under 'News.' Please limit to 35 words. Submissions for the Calendar's Notices section may be limited due to space.

Deadline for the August 14 issue of UBC Reports — which covers the period August 17 to September 6 — is noon, August 5.

Classified

The classified advertising rate is $16.50 for 35 words or less. Each additional word is 50 cents. Rate includes GST. Ads must be submitted in writing 10 days before publication date to the UBC Public Affairs Office, 310 – 6251 Cecil Green Park Road, Vancouver B.C., V6T 1Z1, accompanied by payment in cash, cheque (made out to UBC Reports) or internal requisition. Advertising enquiries: 822-3131.

The deadline for the August 14, 1997 issue of *UBC Reports* is noon, August 5.

Accommodation

POINT GREY GUEST HOUSE A perfect spot to reserve accommodation for guest lecturers or other university members who visit throughout the year. Close to UBC and other Vancouver attractions, a tasteful representation of our city and of UBC. 4103 W. 10th Ave., Vancouver. BC. V6R 2H2. Call or fax (604)222-4104.

TINA'S GUEST HOUSE Elegant accom. in Pt. Grey area. Minutes to UBC. On main bus routes. Close to shops and restaurants. Inc. TV, tea and coffee making, private phone/fridge. Weekly rates available. Call 222-3461. Fax:222-9279.

GREEN COLLEGE GUEST HOUSE. Five suites available for academic visitors to UBC only. Guests dine with residents and enjoy college life. Daily rate $52, plus $14/day for meals Sun.-Thurs. Call 822-8660 for more information and availability.

BROWN'S BY UBC B&B. Comfortable and relaxing accommodation close to UBC in quiet area. Quality breakfasts, queen-sized beds, private bath available. Satisfaction is assured for your friends or professional guests. Reasonable rates. Call 222-8073.

BAMBURY LANE. Bed and breakfast. View home. Two BRs, single $65, double $85. Ten minutes to UBC, 15 minutes downtown. Twin beds. Shared bathroom. Call or fax (604) 224-6914.

WHISTLER/BLACKCOMB NEW spacious comfortable condo on Blueberry. Two BRs, hide-a-bed, two bath, mountain views. Close to valley trails and Alta lake for hiking, biking etc. Five mins. to Blackcomb village. Excellent summer rates of $120 per night, $700 per week. NS/NP. Call 263-5180.

PENDER ISLAND RETREAT. Sunny waterfront accommodation. Next to marine park. Skywatching from hammocks. Meals included. Kayaking, hiking and birdwatching. Boats and equipment by arrangement. Whalewatching available. Dock and moorage buoy on site. (604)228-8079.

SPACIOUS THREE BR, TWO BATHROOM Gulf Islands (Pender Island) cottage for rent. Secluded, treed acreage, spacious, comfortable. Furnished, all modern amen., fully winterized. September (three months) or longer, $760/month (plus utilities). Call 263-0110, e-mail: prasad@cce.ubc.ca.

FURNISHED EXECUTIVE ONE BR street level in private home. Over 600 sq.ft. in Dunbar (Marine Dr). Fireplace, private entrance. $1,300.00/mo. inc. utilities, cable, laundry. Prefer mature person or couple. Call 263-5101.

Next ad deadline:
noon, Aug. 5

Accommodation

FOUR BR, TWO BATH NEWLY RENOVATED, furnished house in Dunbar. Near UBC, park, community centre. NS, NP, references required. Available Aug. 8/97 - one year lease. $2,000/mo. plus utilities. Call 222-3708.

TOWNHOUSE FOR RENT, VANCOUVER. Large Kitsilano townhouse (2200 sq.ft.) with view of English Bay, close to UBC, hospitals and downtown. Beautifully furnished, fireplace, all appliances, built-in stereo, enclosed garden, large roof deck, underground parking. Available after Sept. 15 through June 15 (dates flexible). $1950/month plus utilities. References required. Contact Harold or Shirley Logan 732-8411.

SPACIOUS, BRIGHT FOUR BR, two bathroom suite in Whistler character home. Walk to pool/rink, park, trails to village. Large garden, view, all appliances, cable, sauna. Sleeps eight. $250/night, 10% reduction for stays over five nights. Children under six free. Extra person $15. Call 451-7079 (message) (604) 938-9606.

SPACIOUS BASEMENT ROOM. Furnished, clean. Has full private bath. Suit N/S N/D reliable student, with references. $390/month, inclusive light, heat. SW Marine/West 49th. Call 261-6069.

POINT GREY, FURNISHED, MODERN, BRIGHT three/four 4 BR, 2 1/2 baths. Double garage. UBC five minutes, one block from schools, bus. Near shops. NS, NP. Sept/97 - June/July/98. $2250/mo. Call 822-8395/224-0109, yair@ubc.ca.

FURNISHED HOUSE. THREE BR, NURSERY, study, two fireplaces, 1 1/2 bathrooms, large garden. Minutes from UBC. Close to buses, shops, schools, parks. $1800/month. Available September 1. Call 261-7577 or 261-8538. Fax 263-3423.

TWO BR GROUND LEVEL SUITE. Near UBC gates. N/S N/P, $800/month, utilities included. Available now. Call 224-2464.

SPACIOUS, FURNISHED ONE BR SUITE. Quiet, large, cosy, knotty cedar living room. Private entrance. South Granville location near buses or parking available. $750/month includes utilities. No smokers or pets please. Call 261-7153.

CHARMING, BRIGHT LOFT BEDROOM chalet/apartment overlooking garden. Prime location. Parking or near buses. Available August 1. $775/month. Utilities included. No smokers or pets please. Call 261-7153.

FOR RENT MONTH OF AUGUST. Two BR townhouse near UBC and Jericho beach. Child-friendly community. Fully furnished. N/S preferred. $1100. Call 228-1812.

BRAND NEW FULLY FURNISHED HOUSE for rent. Wonderful view of water. All amenities. Short summer rental or long-term. Call 731-6576.

Accommodation

BEAUTIFULLY FURNISHED ROOMS and/or suites for rent at the beach in Kitsilano. Wonderful location. Close to UBC and downtown. Daily, weekly or monthly. Reasonable rates. Call 737-2677.

LUXURY FULLY FURNISHED TWO BR condominium at the Bristol on UBC campus. Amenities include spa, party room and guest suites in a secured building. Six-month lease from Sept/97-March/98. $1560/month including utilities. Call (604)228-0920.

Housing Wanted

MATURE FEMALE STUDENT entering UBC professional program wishes to rent/share bright, clean, affordable apartment/house. Starting: end Aug/Sept. 1. Prefer BC Children's Hospital area. Quiet, NS, with family pet. Fax: description (250)472-4075. Phone 472-3133 eve.

MATURE, RESPONSIBLE, PROFESSIONAL woman seeks a house sitting arrangement, short or long term, with pets/plants. Very clean. Trustworthy. Excellent references. Attending UBC as a mature age student in the fall. Call Michele 321-1097.

Services

UBC FACULTY MEMBERS who are looking to optimize their RRSP, Faculty pension and retirement options call Don Proteau, RFP or Doug Hodgins, RFP of the HLP Financial Group for a complimentary consultation. Investments available on a no-load basis. Call for our free newsletter. Serving faculty members since 1982. Call 687-7526. E-mail: dproteau@hlp.fpc.ca dhodgins@hlp.fpc.ca.

For Sale

FAIRVIEW SLOPES HERITAGE HOUSE for sale by owner. Deluxe, renovated to code, sprinkler system throughout. Two legal units. Two storey upper 2000 sq.ft. Two bedrooms and 2.5 baths, laundry. Lower garden apartment, 1155 sq.ft. Two car garage with storage. $639,000. Call 876-6446.

UBC International Student Services Wants You!!!!

UBC International House is looking for volunteers to provide vital services for international students during its annual August **Reception/Orientation Program**.

Several positions are available.

Call Wendy Ma at 822-6519 by **July 31, 1997**.

People

by staff writers

Janet Mee has been appointed Director of the Disability Resource Centre (DRC).

Mee, a UBC Education graduate, has been involved with DRC since its inception. She served on the original advisory committee before being hired as an adviser in 1993. She has been acting director since April 1996.

Mee

As an adviser she developed programs to encourage high school students with disabilities to consider science education as well as a national career mentoring program that matches students entering university with third or fourth year students who have similar disabilities and similar academic interests.

DRC works to support and facilitate the full participation of persons with disabilities in the university community.

The centre also undertakes projects in partnership with the Rick Hansen Institute that are broader in scope.

• • • • •

Prof. **Ian Affleck** in the Dept. of Physics and Astronomy has won the 1997 Prize in Theoretical and Mathematical Physics from the Canadian Association of Physicists and the Centre de Recherches Mathématiques.

Affleck's current research is carried out at the interface between elementary particle theory and condensed matter theory.

The prize was initiated three years ago and was awarded to UBC Prof. Bill Unruh in 1996.

• • • • •

UBC School of Nursing Assoc. Prof. **Ann Hilton** is the recipient of the Oncology Nursing Society/Pharmacia and Upjohn Inc. Quality of Life Award. The award was presented recently at the society's 22nd Annual Congress in New Orleans.

The award is designed to recognize and support nursing excellence in the area of quality of life issues for patients and families. Hilton was recognized for her paper entitled, "Getting Back to Normal: The Family Experience During Early Stage Breast Cancer."

• • • • •

Prof. **Sid Katz** has been appointed director general and chief executive officer of the Ontario Science Centre in Toronto.

Katz takes up the position after six years as executive director of Science World in Vancouver. Katz, a faculty member in UBC's Faculty of Pharmaceutical Sciences, will continue as a researcher in the faculty.

Katz

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Researchers ready to take whale of a call

by Stephen Forgacs

Staff writer

John Ford is probably the only person in the world who might realistically expect to answer his cellular phone and hear killer whales on the line — live from somewhere along B.C.'s coastline.

Ford, an adjunct professor in UBC's Zoology Dept. and Fisheries Centre, and director of Research and Conservation at the Vancouver Aquarium, is realizing a decade-old plan to link the killer whale pods that cruise the B.C. coast through the summer months to researchers at the Vancouver Aquarium.

Ford's plan, developed while he was doing doctoral work at UBC, has evolved into a multi-phase project called WhaleLink. The project involves the establishment of numerous underwater acoustic monitoring stations along the B.C. coastline, from the southern tip of Vancouver Island to remote locations near the Alaskan border.

The stations consist of hydrophones connected by armoured underwater cable to detection and communication devices housed in a weatherproof casing and powered by batteries and a solar panel.

Whale sounds detected by the hydrophone travel through filters to microprocessors which activate a cellular phone that in turn calls researchers at the Vancouver Aquarium. Only sounds that meet the amplitude and duration of whale calls are relayed through the phone.

The first station has been set up in a Coast Guard navigational beacon near Robson Bight in Johnstone Strait where pods of killer whales are found almost daily from early July through September.

"It's all set up and ready to go," Ford said. "We're just waiting for the whales to arrive."

The project is aimed at adding to knowledge of local killer whale activity and solving the mystery of where the whales go when they leave the southern B.C. coastline for the winter and spring months, Ford said. It also enhances opportunities for further research into killer whale language.

Johnstone Strait, the 50 km passage between northeastern Vancouver Island and the mainland, is the site of frequent killer whale activity. As many as 16 pods, with some 300 resident whales spend much of the year in the area.

"The whales come in from the central and north coast near Alaska with the salmon. They typically arrive in Robson Bight in early July and are there till the last run of chum salmon comes through in November or December," Ford said.

The ability to detect and listen to whale sounds by phone from remote locations builds on the research Ford undertook at UBC in the late 1970s and early 1980s. That research led him to the discovery that killer whale pods use distinctive dialects to communicate but may share sounds or calls with other pods.

In addition to producing underwater sounds for communication, killer whales use intense clicking sounds for echolocation. A type of biological sonar, echolocation is used by the whales to navigate and locate food in the often murky waters of the coast.

Ford and fellow researchers, many of whom are past or present UBC graduate students, have determined that the 16 pods of resident killer whales on the B.C. coast can be split into four sub-groups or clans based on their vocalizations. Each pod within a clan has a distinct dialect but shares expressions with other whales within the clan. Yet, despite the fact that whales from the various clans often mingle, there are no shared expressions across clans.

Ford estimates that, as well as the resident whales which feed primarily on salmon, there are about 250 transient whales in the area which tend to travel in smaller groups and feed only on mammals and seabirds.

The transients can also be identified by their calls, although they vocalize far less than resident whales. As stealth hunters, transients emit infrequent clicking sounds for echolocation, but rarely emit the longer calls common to resident whales. Ford said they may actually listen for prey passively. Transients will vocalize to communicate with other transients on occasion, but they speak in "transient tongue," Ford said, adding the transient language is common to whales from California to Alaska.

"The transients will sometimes vocalize after they have found their prey and the element of surprise is not necessary," Ford said. "And the dialect they use is quite distinct from the residents."

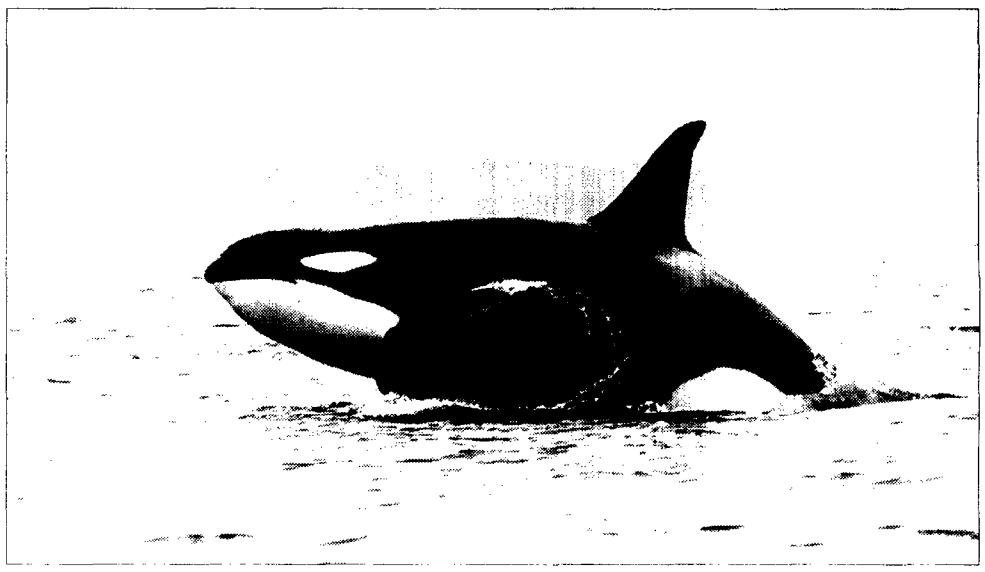
A third group of whales identified by the researchers comprises "offshore" mammals in the Queen Charlotte Islands.

Three of Ford's UBC graduate students, Zoology master's students Volker Deecke and Harald Jurk, and PhD student Lance Barrett-Lennard, are involved in killer whale research.

Barrett-Lennard is looking at population genetics in whales and has collected DNA samples from 160 of B.C.'s resident and transient killer whales.

Jurk is studying the language of the Alaska killer whale population, while Deecke is working on sub-dialects and the evolution of dialects within pods.

Deecke also played a major role in developing the computer software used by researchers to distinguish between whale calls in each pod and clan. Researchers at the aquarium are now also able to use a computer to test their ability to distinguish one clan's call from another's.



John Ford photo

Phoning the Vancouver Aquarium is likely the farthest thing from this Orca's mind, but researcher John Ford and UBC graduate students working on the Whalelink project eagerly await the first call. High-tech equipment installed at the first listening station, located in Johnstone Strait connects the whales via cell phone with aquarium staff.

The WhaleLink project will gradually expand to include more sites as the technology is proven effective and arrangements are made to provide cellular, radio or even satellite phone service in areas not covered by BC Tel Mobility's cellular network, Ford said. BC Tel is currently picking up the phone bill for the Robson Bight location. Two former BCIT students are continuing to work on the design of the detection and communications device.

Ford plans to have two more sites operational by early next summer in the San Juan Islands and the Prince Rupert area. He is also seeking approval from the Canadian Radio and Television Commission to use a low power FM radio frequency to broadcast the underwater acoustic signal from Robson Bight. That signal will then be picked up in nearby Telegraph Cove, digitized and sent to the Vancouver Aquarium via land line. This will both serve research purposes and allow the aquarium to play the whale calls live as part of a new exhibit.

Burnaby target for architects' challenge

by Stephen Forgacs

Staff writer

UBC Architecture and Landscape Architecture students and top local and international architects and landscape architects will join forces on an urban design task that will provide a legacy of ideas and inspiration for urban planners across North America.

Spurred on by the success of its first design workshop in 1995, which focused on Surrey, the UBC School of Landscape Architecture has selected Burnaby's Brentwood Town Centre as the subject of the second International Design Charrette for Sustainable Urban Landscapes, Aug. 19-25.

"Burnaby will gain tens of thousands of dollars worth of design expertise at no cost to the taxpayer through this charrette," said Patrick Condon, an associate professor in UBC's Landscape Architecture program.

The 160-hectare area surrounding the intersection of Lougheed Highway and Willingdon Ave. includes Brentwood Mall, several strip commercial activities and a huge tract of low density industrial land. There are some apartment buildings but very few single-family homes in the area. A large, single-family residential community is located uphill from the site.

"It's an area that is already intensely developed," said Condon. "Teams will have to deal with challenges such as site remediation and think about how a community will gradually evolve from one use to another, and about how principles of sustainability should and can apply to higher density areas."

Design teams will spend a week developing urban design alternatives with an eye to sustainable development.

The charrette is a project of the UBC James Taylor Chair for Landscape and Liveable Environments—an endowed research chair of the UBC Landscape Architecture program, established to explore practical ways to make urban landscapes more sustainable.

The Charrette Advisory Committee selected Burnaby from a number of candidate sites because it "fit to a T" a number of important criteria, Condon said.

First, a future vision for the area was recently developed in the Brentwood Town Centre plan, which supports the regional sustainability principles in the Greater Vancouver Regional District's Livable Region Strategy. Second, a new light rail line is proposed for the site. Third, a number of environmental issues exist in the study area, including relatively high pollution levels in Still Creek.

"Finally," said Condon, "the area is similar to many others in the region, and thousands of others in North America; consequently, design concepts generated for the Brentwood area may also be adapted to many other North American communities."

Condon said Burnaby Mayor Doug Drummond has welcomed the charrette as a timely opportunity to explore ways to transform the area from a car-oriented place to a redeveloped core with facilities for pedestrians, cyclists and connections to greenspaces.

Teams will look to creating a "green infrastructure" in which streets and public spaces are designed to reduce public expenditure, improve water quality, clean the air and add biological diversity to the urban landscape.

Designers will also propose ways to integrate light rail transit into the community. Integration of transit is a key issue for residents of Brentwood, and is also a concern for thousands of people in many parts of Vancouver, Surrey, Burnaby and Richmond where light rail is proposed, Condon said. Designers will also explore ways to increase the options for affordable ground-oriented housing.

The finished designs will be presented publicly on the last day of the charrette and later published.

Results of the previous charrette were published as *Sustainable Urban Landscapes: The Surrey Design Charrette*, available from UBC Press. Many of the design features explored in the Surrey charrette are being incorporated in development in the area, Condon said.

News Digest

The Tributes Committee is seeking nominations of outstanding candidates for honorary degrees to be awarded in 1998. Deadline for nominations is Friday, Aug. 29.

Nominations or requests for nomination forms should be mailed to: Secretary, Tributes Committee, c/o Ceremonies and Events Office, 6323 Cecil Green Park Road, Campus Zone 1.

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Flower fans can get an eyeful of colour during the All-America Selections (AAS) Field Days 1997 at UBC Botanical Garden and Totem Park, July 18-20.

AAS is an international program that evaluates bedding plants grown from seeds. Plants are judged each year in trial grounds across North America and those with significant horticultural value may be declared winners. UBC is one of five trial grounds across Canada.

The Field Days provide an excellent opportunity for home gardeners, garden clubs, commercial bedding plant growers, and retail and landscape trades to see new plants. Plants on display will include seed-grown perennials, field-grown cut flowers and flowers in new colours, such as coral portulaca.

The garden is located on Marine Drive at West Mall (Gate 8). Field Days run from 10 a.m. to 3 p.m., July 18 to 20. Call (604) 822-3928 for further information.