



Reluctant exchanges

Some business establishments have been unable to dial UBC's new 822 exchange from off campus. However, Brian Morris, a representative of B.C. Telephone, says the problem can be remedied.

Morris said if you've been getting a busy signal or a recorded message when attempting to call an 822 number, you should report this to the company that services your switchboard. It's up to those companies to make the necessary adjustments.

Morris said in the interim, business establishments unable to access the 822 exchange can still use the old campus phone numbers.

Architects chosen for new fine arts buildings

By GAVIN WILSON

Architects have been selected for two of the three new fine arts buildings at UBC.

The firm of A.J. Diamond, Donald Schmitt and Co., of Toronto, has been chosen to design the \$17.2-million Creative Arts facility. (Figures are in 1990 dollars).

They will work in association with Tielker Sim Harrison Weller Architects, of Vancouver, who recently completed renovations to UBC's Old

Administration Building.

The Creative Arts facility, with its 70,000 square feet of net space, will house studio-based disciplines of music, fine arts and theatre and film, a 150-seat studio theatre and a 200-seat film theatre.

It will be built on the site of the Old Armories on West Mall. Construction is expected to begin in summer, 1992 and completion is scheduled for the end of 1993.

The \$3.3 million Morris and Helen

Belkin Art Gallery will be designed by Peter Cardew Architects, of Vancouver.

The 10,000-square-foot art gallery will be built near the corner of Main Mall and Crescent Road. Construction is expected to begin in summer, 1992, and be completed by mid-1993.

Peter Cardew Architects designed several buildings at Expo 86, including the CN Pavilion, which won the Canadian Architect Award of Excellence in 1985 and the Lt.-Gov. of B.C.

Medals in Architecture Merit Award in 1990.

The third of the new fine arts buildings, the \$14.2 million Chan Centre for the Performing Arts, will house a 1,400-seat auditorium and a 700-seat theatre. It will be located between East Mall and the Rose Garden on a realigned Crescent Rd.

Funds for the buildings were raised through the World of Opportunity capital campaign and matched by the provincial government.

UBC studies recycling options

What's in our garbage?



Students sift through contents of mathematics building dumpster as part of campus recycling study. Photo by Media Services

By GAVIN WILSON

If you've seen teams of students poking through campus garbage cans and sifting through dumpsters lately, don't be alarmed. It's part of an effort to initiate a new and comprehensive recycling program on campus.

The President's Task Force on Recycling initiated a project to plan and implement a campus-wide waste reduction, recycling and reuse program. It could become the largest institutional, integrated waste-recycling program in Canada.

"The university has set itself the high goal of building an environmentally responsible community," said Bruce Gellatly, vice-president, administration and finance, and chair of the task force.

"We want to design an integrated waste-management program for the university. This means that reduction, reuse and recycling will be incorporated into the way we handle wastes produced on campus," he said.

To develop this program, the task force will use the expertise and experience of a variety of campus academic and administrative units. Resource Integration Systems of Toronto, Canada's largest and most experienced consulting firm in solid waste reduction, has been retained to assist in program development.

RIS is currently conducting a waste audit at the university. UBC students have been recruited for the project to study more than 100 buildings on campus and determine what is in the waste stream, visually inspecting the contents of trash cans, noting the types and volumes of waste materials and collecting samples.

"We're trying to get a handle on what really happens here," said Don McDonald, who is overseeing student involvement in the project.

The students will also question building occupants about recycling and source reduction efforts already in place. Steps are being taken all across campus, such as the introduction of re-

usable and paper coffee cups in cafeterias and greater efficiency in the use of lighting.

Students will also be on the lookout for ways your office can improve its efforts. For example, does your office use double-sided photocopies? Are laser printer cartridges thrown out instead of recharged? Many of these ideas are also more economical, McDonald said.

When the waste audit is complete, RIS will produce a computer model of what was found and then test it by conducting a waste sort. Students will waste into selected dumpsters, analyzing what is in the waste stream.

The results of the audit and sort will help RIS determine what kind of program to recommend for UBC.

"The university's existing recycling program, operated by the Surplus Equipment and Recycling Facility, has laid the foundation for any new program," Gellatly said. "SERF has done an excellent job of recycling office paper and building awareness on campus."

Working to everyone's advantage is the strong, grassroots support enjoyed by recycling projects today.

McDonald said that changing public behavior, whether it is getting people to quit smoking or buckle up seat belts, usually requires a great deal of time and effort.

"But recycling has just caught people's imagination. I think it's touched a deep-rooted ethic in our society," he said. "We're only a generation or two away from people who were brought up during the Depression and hate to see things go to waste."

"The challenge here at UBC is that so many people are coming and going every nine months. The program will have to be so obvious, it just becomes natural," said McDonald.

The waste-management project is being managed for the university by Peter Nault of the department of plant operations, which is responsible for the collection and disposal of the 6,000 tons of waste produced on the campus annually.

UBC students sweep moots

UBC has been judged the best among Canadian law schools at a national moot competition in Toronto.

It is the second time UBC has won the Gale Moot since the event was

opened to schools outside Ontario 10 years ago. UBC last won the competition in 1982.

"It's a combination of us having bright, competitive students and a successful system for appellate advocacy," said Elizabeth Edinger, associate dean of law.

Edinger said a moot competition is an exercise in advocacy. Unlike a trial court, a moot is similar to an appeal where all evidence has been given and arguments are limited to points of law.

The winning arguments at this year's Gale Moot were presented by Mary Ainslie, Jason Koshman, Alanna Lee and Lisa Martz.

And UBC's legal triumphs weren't limited to national competition. The law school also won one provincial and two regional awards.

Earlier this month, David Wotherpoon, Dan Redekopp and Dyan Davi-

son were judged the best team in a client counselling competition held in Portland, Oregon. Participants in a counselling exercise are judged on their ability to communicate with clients and advise them on various aspects of the law.

The UBC trio will now represent Canada overseas at a client counselling competition in London, England.

At home, UBC prevailed over the University of Victoria for the eighth consecutive year in the universities' annual moot. This year's recipients of the Begbie Trophy, donated by the Supreme Court judges of B.C., were Dana Young, Sydney Pilley, Chris Cosgriffe, Leslie Palleon, Sharon Matthews, Bruce Elwood, Derek McLaughlan and Simon Wells.

Also, for the second year in a row, UBC won the Western Canada Moot which tests students' knowledge of criminal law. Rob Scott and Susan Van der Flier were the UBC representatives.

Inside

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CANADA SPEAKS: Stephen Carey sees language and language education as particularly relevant in Canada today. PROFILE, Page 3

Yukon heritage preserved in book

By ABE HEFTER

The book is titled "Life Lived Like a Story," written by Anthropology Professor Julie Cruikshank. And although it chronicles the life stories of three Yukon elders, it's very much a reflection of Cruikshank's life as well.

As a brash young anthropology student in 1969, Cruikshank left Southern Ontario to travel to the Yukon. "When I first arrived in the Yukon, I wanted to learn as much as I could about the rich Yukon heritage," said Cruikshank. "But at the same time, I wanted to ensure that this heritage remained there with the people who were telling their stories."

Cruikshank turned to three Yukon elders, Angela Sidney, Kitty Smith and Annie Ned, who told her of life in the Canadian north by weaving a rich tapestry of poems, stories, and myths. Their words helped her to piece together what Cruikshank calls an oral history of the Yukon.

After three months in the Territory,

she knew that this was where she wanted to stay. She remained there for the next 15 years.

"The history of the First Nations peoples is more than just museum pieces and books written by historians and outsiders," said Cruikshank. "This



Author Julie Cruikshank

is the history of the Yukon told by Yukoners for Yukoners. The aim of the book is to convey their heritage which has been embedded in oral tradition. I tried to keep my interpretation separate from the three life stories told by the elders."

Cruikshank said Smith was at least 100 years old when she passed

away in 1989. Sidney and Ned, who were both awarded the Order of Canada, are well into their 90s. They continue to work with Cruikshank, who is now completing another book on the history of the Yukon based on oral tradition; this one aimed at high-school students. Cruikshank said any royalties received from the present book will go towards a fund established to

By ABE HEFTER

More than 160 UBC authors were honored on March 18 at a reception hosted by President David Strangway and University Librarian Ruth Patrick, at the Graduate Student Centre.

The reception was held to recognize those members of the UBC community who were the authors of books published between January, 1990 and March, 1991.

Isabel Pitfield, Library Development Coordinator, said she originally thought that only 20 or 30 authors would respond to the invitation. However, numbers quickly swelled. In total, 167 publications were submitted. Pitfield said it became apparent that the invitees were most appreciative of the effort to recognize their work.

help First Nations high school students study the oral history of the Yukon.

Cruikshank has spent her entire adult life studying the history of the Yukon as seen through the eyes of the native peoples. She considers it a project that has no beginning, and has no end. And she says these three Yukon elders have been the major force behind her anthropological understanding.

"It was Angela Sidney who said: I've lived my life like a story. I suppose you could say that is the most important lesson I've learned from these three women."

Authors take a bow

Those sentiments were echoed by Louise Jilek-Aall, a professor of clinical psychiatry, who was recognized for her book: Working with Dr. Schweitzer. The book is Jilek-Aall's account of life under the guidance of one of the century's great humanists, Dr. Albert Schweitzer.

"To be recognized like this by the university and one's peers is extremely gratifying," said Jilek-Aall, who worked with Schweitzer in Africa at his children's clinic, in 1960.

Anthropology Professor Julie Cruikshank, whose book Life Lived Like a Story represents more than 15 years of work with Yukon elders, said the reception was a way for UBC to acknowledge the wide range of work done by people associated with the university.

Wide range indeed. From Do-it-

yourself Chemistry Experiments for Elementary Schools (written by Chemistry Professor Douglas Hayward), to Letters to a Quebecois Friend (written by Political Science Professor Philip Resnick), UBC authors have covered everything from soup to nuts, over the last 15 months.

Mathematics Professor Nathan Divinsky has written The Batsford Chess Encyclopedia; History Professor Peter Ward has penned a book on Courtship, Love and Marriage in 19th Century English Canada; and Stanley Coren, Dept. of Psychology, has authored a book on left-handedness.

"Many of us on campus who write books hardly have time to talk about our endeavours," said Jilek-Aall. "A reception like this one is very nice indeed."

Mall event shows the way to health

Are you on the road to health?

Find out Saturday, March 23 when UBC and University Hospital put on a one-day health fair at Vancouver's Pacific Centre.

The event, sponsored by Shopper's Drug Mart, will feature a display which will be set up like a roadway, with checkpoints along the route. The road to health will include Nutrition Stop, Heartbeat Street, Pressure Check, Stress Street and No Smoking Lane. A sixth checkpoint, Kids Korner, will give children an opportunity to learn about health and nutrition.

"This is an invitation for the public and health professionals to get together in an interactive setting," said fair coordinator Ramona Josephson, a UBC health promotion consultant. "When

you walk away, you will have really learned something about your lifestyle."

For example, when you drop by No Smoking Lane, you can have your lung capacity measured by breathing into a spirometer. If you want to learn relaxation techniques, or maybe just get a good back and neck massage, then you'll want to take a trip down Stress Street. At Nutrition Stop, health professionals will help you assess your diet and determine your ideal body weight.

"Participants will also be given a simple questionnaire to be filled out and handed in at the checkout," said Josephson. "The questionnaire is related to the five checkpoints and will help answer some questions that are aimed at getting people on the road to health."

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At this Seminar you will learn how to:

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Please circle this date on your calendar:

Day: **Wednesday**
 Date: **May 1, 1991**
 Time: **7:30 p.m. to 9:00 p.m.**
 Place: **UNIVERSITY GOLF CLUB**
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 Vancouver, B.C.

*P.S. There is no fee. However, pre-registration is required.
 Call Lynne Nickford at 688-7208 to register.



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UBC Media Services, Third Floor LPC
 2206 East Mall, UBC Campus, 228-5931

Pair of trees get reprieve

By GAVIN WILSON

The siting of the First Nations Longhouse will be shifted slightly to preserve two trees of botanical significance, President David Strangway has announced.

Original plans called for the removal of nine trees from the site, which is the location of UBC's arboretum, but now only three trees will be cut and four others moved.

Most of the trees on the site will be maintained as landscaping for the new longhouse, which will serve as a centre for Native Indian students on campus. Last summer, the site was blessed by Native elders in a formal ceremony.

But Strangway's announcement did not satisfy some critics of the building plan. A group of professors and instructors on campus is opposed to construction on the site.

Trees in the arboretum are rare and have been used for many years as teaching tools for geography, botany, forestry, landscape architecture and other classes, opponents say. They have marked the threatened trees with flagging tape and circulated a petition in a bid to have the building moved to another site. A demonstration called by tree-cutting opponents for March 11, however, attracted just three people.

The three trees to be removed to

make way for construction are a grand fir, Siberian fir and Oriental plane tree. Strangway said two of these trees are in poor condition and that new planting of these species will be placed elsewhere on campus.

As well, steps will be taken during construction to protect existing trees from damage, he said. A sod-turning for the new building is slated for May 31.

"The latest building design proposal has been adjusted such that two significant specimens...can be retained and four other smaller specimens can be relocated on site," Strangway said in a letter to tree-cutting opponents.

Margaret North, a senior instructor in geography, said that the replanted trees will have a slim chance of survival and that newly planted versions of the cut species will not be as valuable for teaching as fully grown trees. She added that about 12 other trees will have their roots pruned to make way for construction, and this could have serious effects on the health of the trees.

North said the petitioners have no argument with the First Nations project, only the use of the proposed site.

"We would like it to be clearly understood that we applaud the initiatives which have produced this proposal, but we regret the unfortunate lack of understanding of the significance of this arboretum. An arboretum is patently not a building site," she said.

A brief submitted by architect Larry McFarland said the building site contains more than 50 botanically significant tree specimens ranging in height from 25 to 125 feet.

The brief said the building site was selected from five available on campus on the basis of its proximity to the



Photo by Media Services

Arboretum tree wears sign posted by opponents of building plan.

academic core of the campus, its visibility and the general atmosphere of the natural setting.

"Through careful site planning, the plan allows for the retention of most of the significant existing trees," said the report. "Most of the building functions are to be located within the existing parking lot areas."

North argues that the university is not short of building sites. She says she has suggested an alternative site

but has not received any feedback on her proposal.

The arboretum was established by John Davidson, the first director of the UBC Botanical Garden. At one time, it covered 2.7 hectares, but many of the original trees were lost because of construction of the parking lot in 1969 and the Ponderosa Annexes in 1970. More trees have since fallen victim to disease or were removed for other reasons.

UBC participates in unique development project in Vietnam

By CHARLES KER

UBC's School of Community and Regional Planning will direct one of Canada's first government-sponsored development projects in Vietnam.

Working in conjunction with the Institute of Asian Research, the school's Centre for Human Settlements will use a \$1-million grant to help build up Vietnam's research and teaching on development planning.

Peter Boothroyd, a professor at the centre, will oversee the five-year project which links UBC with the National Centre for Social Sciences in Hanoi.

"For political and other reasons, Vietnam hasn't been operating in the English-language world," said Boothroyd. "The Vietnamese now want to learn to communicate effectively and be made aware of the kind of thinking that's going on in Canada and other English-speaking countries."

Languages shape Canada's future

By CHARLES KER

The thought of Keith Spicer communing with Canadians on their future makes Stephen Carey reflect.

As a young psychology professor at the University of Alberta in 1973, Carey organized Canada's first national conference on French immersion programs. Spicer, then Canada's first commissioner of official languages, was the opening speaker.

"He was trying to hold the country together then and he's still trying today," said Carey. "The idea of a citizens forum is a good one, but I think it may be a bit more than any one person can handle."

While Spicer and his royal commission continue to grapple with bilingualism and Quebec, UBC's new director of modern language education is also looking towards the multilingual realities ahead.

"The world is changing rapidly and the changes all relate to language," said Carey, who took over the Faculty of Education program in January. "If Canada is going to be a major player in the next century, then we are going to have to look at language in an international context."

With an immediate need for about 500 teachers in B.C.'s immersion and french-as-a-second-language courses, French will continue to be a priority of the modern languages program.

But Carey points out that for more than 50 per cent of school-age students in Vancouver, neither French nor English is a

first language.

"The statistics speak for themselves," said Carey. "It will be interesting to see how things unfold here in terms of Asian and European languages."

In the past, Carey said program languages such as Italian, German, Spanish, Chinese and Japanese have been lumped together in a couple of courses rather than dealt with individually. In the coming years, he hopes to attract more graduate students to UBC from around the world to continue research and/or to teach in their native tongue. He cites the recent acceptance of two graduate students from the Russian Language Institute in Moscow and the Language Institute of Osaka as examples.

According to Carey, research is the key to understanding the role of languages in ethnic identity and developing methodologies to teach them more effectively. He predicts that principles already in use by immersion language educators will be instrumental in helping the province implement Document 2000, the government's blueprint for educational change.

Educational psychologists such as Carey helped develop the immersion approach which incorporates many of the features outlined in the Document 2000; both highlight the need for active rather than passive learning by encouraging students to take more responsibility for and think more critically about their education.

Improved teaching techniques are also seen by Carey as the key to lowering B.C.'s



Photo by Media Services

Stephen Carey, director of UBC's modern language education program.

30 per cent dropout rate.

"The passive approach with a teacher dictating from the front of a classroom has turned a lot of kids off school," he said. "We have to get them interested in their education by allowing them to participate more in the learning process."

A native of British Columbia, Carey winces when recalling the tedious repetition of verb conjugations at his high school. He does admit that having a french teacher for a mother may have helped.

After graduating from UBC in 1967 with an honours degree in psychology, Carey went on to complete his masters of science at the University of Michigan and Phd at the University of Toronto.

A specialist in the psychology of human learning, particularly as it relates to bilingualism, Carey has written and edited three books

on the subject: Bilingual Education: The Alberta Experience, Bilingualism, Biculturalism and Education and Language Acquisition and Bilingualism in Education.

Carey's expertise also keeps him busy on the lecture circuit.

Since September, he has spoken on the topic of second-language acquisition in India, Hong Kong, Los Angeles and Saint John, New Brunswick. He is debating on whether to accept an invitation to address the department of languages at the University of Namibia on language ecology and Africa.

His goal at present, however, is making UBC Canada's research centre for modern language education.

"Who knows," Carey muses. "Perhaps we can provide some answers for Mr. Spicer and his commission."

Profile

March 23 –
April 6

SATURDAY, MAR. 23

Health Fair
Are You On The Road To Health? Take this opportunity to assess your lifestyle and speak to health professionals about making meaningful change. Developed by University Hospital/UBC and sponsored by Shoppers Drug Mart. Pacific Centre Mall Rotunda from 9:30am-5:30pm. Call 988-1631.

SUNDAY, MAR. 24

UBC Doctoral Recital
Stephen Smith, piano. Admission free. Music Recital Hall at 8pm. Call 822-3113.

MONDAY, MAR. 25

Chemical Engineering Seminar
High Yield Bagasse Pulping. Dr. Nancy Fernandez, Director, Cuban Pulp/Paper Centre, Vancouver, Pulp/Paper Centre Seminar Room at 11:30am. Call 822-3601.

Paediatrics Research Seminar
Can We Predict Atherosclerosis By Laboratory Tests? Dr. J. Frohlich, Associate Director, Laboratory, University Hospital Shaughnessy Site at the hospital, D308 at 12noon. Call Dr. Skala at 875-2492.

Mechanical Engineering Seminars
Stress Analysis Of Cutting Tools. Germa Jemal Mohammed, MechEngineering, UBC.; Numerical Simulation Of Direct Injection Of CNG Into A Combustion Chamber. Paul Walsh, both speakers M.A.Sc. candidates, MechEngineering, UBC. ChemEngineering 1202 from 3:30-4:30pm. Call 228-1202.

Biochemistry Seminar
Helene Sanfacon, Agriculture Canada, Vancouver. Sponsored by the UBC Biochemistry/Molecular Biology Discussion Group. IRC #4 at 3:45pm. Call 822-5925

Astronomy Seminar
The Weather On Planets With Thin Atmospheres: The Moon, Io, Triton, And Mars. Dr. Andrew P. Ingersoll, Geology/Planetary Sciences, California Institute of Technology, Pasadena. Geophysics/Astronomy 260 at 4pm. Call H. Richer at 228-4134/2267.

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Please recycle

CALENDAR DEADLINES PLEASE NOTE CHANGE IN SUBMISSION DATE DUE TO EASTER

For events in the period Apr. 7 to Apr. 20, notices must be submitted by UBC faculty or staff on proper Calendar forms no later than noon on Friday, Mar. 22 to the Community Relations Office, 6328 Memorial Rd., Room 207, Old Administration Building. For more information call 822-3131. The next edition of UBC Reports will be published Apr. 4. Notices exceeding 35 words may be edited.

Asian Studies Lecture
Shadows — Investigating The Ontological Status Of Contoured Darkness: Substance, Absence, Secondary Quality, Or Illusion? Dr. Arindam Chakravarti, Visiting Professor, U. of Washington. Asian Centre 604 at 4:30pm. Call 822-3881.

UBC Student Composers Concert
Admission Free. Music Recital Hall at 12:30pm. Call 228-3113.

Forestry Seminar
Application Of Scandinavian Harvesting System In BC. Dr. J. McNeel, Harvesting/Wood Science, Forestry, UBC. MacMillan 166 from 12:30-1:30pm. Call 228-2507.

Microbiology Seminar Series
Topic To Be Announced. Dr. Phil Bragg, Biochemistry, UBC. Wesbrook 201 from 12:30-1:30pm. Call 228-6648.

Geography Colloquium
Suburbs For All Canadians: Cities And The New Industrialism, 1879-1929. Professor Larry McCann, Geography/Canadian Studies, Mount Allison U., NB. Geography 201 at 3:30pm. Call 228-3268.

Physiology/Zoology Seminar
Concerted Kinase Regulation In Cardiac Sarcoplasmic Reticulum. Dr. Syd Katz, Pharmaceutical Sciences, UBC. IRC #3 at 3:30pm. Call Dr. R.A. Pederson at 228-4224.

Applied Mathematics Seminar
Elliptic Vortex Methods For Incompressible Flow Simulation. Professor Z. Teng, Head, Computational Mathematics Section, Beijing U. Mathematics 229 at 3:45pm. Call 228-4584.

Biotechnology Lab Seminar
Genetic Regulation Of Shoot Morphogenesis In Maize. Dr. Scott Poethig, Biology, U. of Pennsylvania, PA. IRC #5 at 4pm. Call Dr. Louise Glass at 228-3155.

Economics Departmental Seminar
TRIPs, Trade and Growth. Scott Taylor, Commerce, UBC. Brock Hall 351 from 4:53-5:30pm. Call 822-2876.

UBC Opera Theatre
Production Of Suor Angelica And Gianni Schicchi. French Tickner, director. Old Auditorium at 8pm. Admission: TBA. Call 228-3113.

THURSDAY, MAR. 28

Pharmacology Seminar
Photodynamic Therapy: A New Modality For Cancer Treatment. Dr. Julia Levy, Quadra Logic Technologies, Inc., Medicine, UBC. IRC #1 from 11:30-12:30pm. Call 228-2575.

Asian Studies/Mathematics Lecture
Math Club Lecture
Power Series In Medieval Indian Mathematics. Professor David Pingree, History of Mathematics, Brown U. Mathematics 104 at 12:30pm. Call 228-2771.

Obstetrics/Gynaecology Research Seminar

Role Of Endogenous Opioid Peptides In Gonadotropin Secretion. Dr. W. David Currie, postdoctoral Fellow, Ob/Gyn, UBC. Grace Hospital 2N35 from 1:30-2:30pm. Call 875-2334.

Seminar On China/Korea
Community Governments, Township-village Enterprises/Rural Development In Jiangsu. Dr. Sam Ho, Economics, UBC. Asian Centre 604 at 3:30pm. Call 228-4688.

Psychology Colloquium
Understanding Marriage: A Cartesian Dilemma? Dr. Frank Fincham, U. of Illinois. Kenny 2510 at 4pm. Call 822-3005.

Statistics Seminar
Measuring/Improving The Flexibility Of Kernel Estimators. Dr. Matt Wand, Statistics, Rice U., Houston, TX. Ponderosa C101 at 4pm. Call 228-2234.

Geophysics/Astronomy/Asian Studies
Babylonian, Greek/Indian Astronomy. Dr. David Pingree, History of Mathematics, Brown U. Geophysics/Astronomy 260 at 4pm. Coffee from 3:30pm. Call Harvey Richer at 228-4134.

Physics Colloquium
Self-Organized Critical Phenomena. Chao Tang, Institute for Theoretical Physics, U. of California, Santa Barbara. Hennings 201 at 4pm. Call 228-3853.

UBC Opera Theatre
Production Of Suor Angelica And Gianni Schicchi. French Tickner, director. Old Auditorium at 8pm. Admission: TBA. Call 228-3113.

UBC Mixed Chamber Ensembles
Admission Free. Music Recital Hall at 12:30pm. Call 228-3113.

TUESDAY, APRIL 2

Medical Genetics Seminar
The Neuropsychology Of Huntington And Alzheimer Disease: The Impact Of Genes And Environment. Dr. Nelson Butters, Head, Psychology, U. of Victoria. IRC #1 at 8:30am. Coffee from 8:15am. Call 822-5311.

Fiction Reading
Keith Fraser, author of Foreign Affairs. Buchanan Penthouse at 12:30pm. Call 228-2712.

Botany Seminar
Aluminum Toxicity And Tolerance In Barley. Brian Nichol, Ph.D. student, UBC. BioSciences 2000 at 12:30pm. Call 228-2133.

Faculty Women's Club Annual General Meeting
Japanese Tea Ceremony; Classical/Freestyle Ikebana. Members of Urasenke School/Ikenobo Ikebana Society of Vancouver. Asian Center Auditorium at 1pm. Call 222-1983.

Lectures In Modern Chemistry
State-To-State Chemistry In Crossed Molecular Beams. Dr. W.R. Gentry, Chemistry, U. of Minnesota, Minneapolis, MN. Chemistry B250 at 1pm. Call 228-3266.

Neuroscience Discussion Group
Drug Tolerance As A Form Of Neural Adaptation. Dr. John Pinel, Professor, Psychology, UBC. University Hospital, UBC Site at 4pm. Call Kenneth G. Baimbridge at 822-2330.

Interfaith Symposium



A Twisted Path To Auschwitz? New light on Nazi policies from unpublished autobiographies of persecuted Jews in Germany and Austria, 1933-1939. Leonidas Hill. St. Mark's College from 7:30-9pm. Call 224-3311.

UBC Opera Theatre
Production Of Suor Angelica And Gianni Schicchi. French Tickner, director. Old Auditorium at 8pm. Admission: TBA. Call 822-3113.

WEDNESDAY, APRIL 3

UBC String Chamber Ensembles
Admission free. Music Recital Hall at 12:30pm. Call 822-3113.

Microbiology Seminar
A New Phosphate Porin Arising From A Gene Duplication Even In Pseudomonas Aeruginosa. Dr. Bob Hancock, Microbiology, UBC. Wesbrook 201 from 12:30-1:30pm. Call 822-6648.

UBC Symphonic Wind Ensemble
Martin Berinbaum, conductor. Old Auditorium at 8pm. Free admission. Call 822-3113.

Forestry Seminar
Organic Waste Recycling In Forest Lands. Professor James P. Kimmins, Forest Sciences, Forestry, UBC. MacMillan 166 from 12:30-1:30pm. Admission free. Call 822-2507.

THURSDAY, APRIL 4

Pharmacology Seminar
Hormonal Effects Of Prenatal Alcohol Exposure. Dr. Joanne Wenberg, Anatomy, Medicine, UBC. IRC #1 from 11:30-12:30pm. Call 822-2575.

CICSR Distinguished Lecture Series
Networks In The Nineties. Dr. Leonard Kleinrock, Computer Science; Chairman, TTI, UCLA. Scarfe 100 from 1-2:30pm. Refreshments from 12:30pm. Call 228-6894.

Obstetrics/Gynaecology Research Seminar
In Vitro Fertilization In Cattle. Dr. R. Rajamahendran, Animal Science, UBC. Grace Hospital 2N35 from 1:30-2:30pm. call 875-2334.

Psychology Colloquium
Estrogen And Sensory Motor Function. Dr. Jill Becker, U. of Michigan. Kenny 2510 at 4pm. Call 822-3005.

Gala Champagne Concert
UBC Symphonic Wind Ensemble, Martin Berinbaum, conductor; Rena Sharon, piano. Old Auditorium at 8pm. Admission: \$10, general; \$5, students. Call 822-3113.

FRIDAY, APRIL 5

Paediatrics Grand Rounds
International Child Health. Dr. W.J.Tze; Head, Endocrinology; Dr. Judith G. Hall, Head, Paediatrics; Dr. D.J. Steward, Head, Anaesthesia. G.F. Stong Rehab. Center Auditorium at 9am. Call 875-2118.

UBC Symphonic Wind Ensemble
Martin Berinbaum, conductor. Old Auditorium at 12:30pm. Free admission. Call 822-3113.

Opportunity

The UBC Campaign News

March 1991

1991/92 goal: \$30 million

Campaign enters final year at \$180 million

UBC has earmarked three building projects and a number of endowments as critical to the future of the university as the World of Opportunity Campaign enters its final year.

"We have been overwhelmed by the tremendous support for UBC and its mission through contributions to the Campaign," said President David Strangway. "However, there is still an urgent need for additional funds. During 1991, we will be seeking \$30 million from select corporations, foundations, alumni, international friends and the campus community."

To date, the Campaign has raised \$90 million in gifts from individuals, foundations and corporate donors. These gifts, combined with the Government of British Columbia matching gifts program, total close to \$180 million in new endowment and building funds.

With private, foundation and B.C. government matching funds, UBC's is the largest university fund-raising campaign in Canadian history. While delighted by this success, the university continues to seek funding for key building projects, endowments and scholarships from individuals and corporations which have not yet donated to the Campaign, but have indicated an interest in doing so.

Building and academic projects still requiring funding include:

Library Centre providing space to house UBC's expanding collection and for technology so that

users can obtain information from the library's worldwide network. Currently, UBC's library is one of the top research libraries in Canada and has the highest circulation rate of any research library in North America. A new building will be constructed adjacent to the existing Main Library.

Major donors to the Library Centre include: Imperial Oil Ltd., Placer Dome Inc., B.C. Hydro & Power Authority, Canadian Imperial Bank of Commerce, Bank of Nova Scotia, Shell Canada Limited, Toronto-Dominion Bank, RBC Dominion Securities Pemberton, Canada Trust and BC Gas Inc.

Creative Arts Centre providing studio space for students and faculty in fine arts, music and theatre.

B.C. Tel and the Royal Bank are major donors to the Centre.

Institute for Asian Research encompassing five regional centres including Chinese Studies, Japanese Studies, Korean Studies, South Asian Studies and Southeast Asian Studies. The centres will be clustered and connected, but each design will reflect the unique culture of the region. In addition, the university is planning a Centre for Islamic Studies.

A Chair for the Director of the Institute for Asian Research has been fully funded through a gift from the Hongkong Bank of Canada and provincial government matching funds.

Endowments and Scholarships providing a wide range of options for donors to support research and teaching in many fields of study, such as health, the environment, law, ethics, business, science, engineering, and the arts.

To date, more than 50 academic endowments and nearly 30 scholarships have been fully funded through the Campaign.

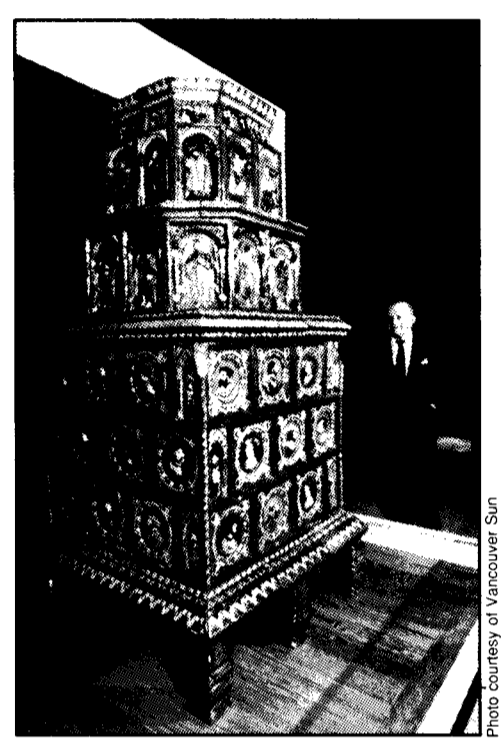


Photo courtesy of Vancouver Sun

Longtime UBC supporter Walter Koerner admires European ceramic oven at the Museum of Anthropology. The oven is part of a 600-piece collection Koerner donated to UBC through the World of Opportunity Campaign. (see Major Page 2)

Builders of UBC's Future honoured at event



Hon. David C. Lam

UBC will pay tribute to B.C.'s Lieutenant-Governor, the Honourable David C. Lam, and other "Builders of UBC's Future" at a ceremony and gala dinner, April 11.

The celebration will mark the start of construction on the

David Lam Management Research Centre and the progress made on other major building projects being funded through the World of Opportunity Campaign.

It will be the university's first opportunity to show Campaign donors, representatives of the B.C. government, and members of the Wesbrook Society the tangible results of donations to the World of Opportunity Campaign as they are being applied to the "unfinished campus."

In addition to the Lieutenant-Governor and Mrs. Lam, donors to all of the building projects on campus will be honoured, as well as donors to academic chairs, scholarships, professorships and endowments for their contributions toward building the university.

The festivities will start at 5 o'clock p.m. with a concrete pouring ceremony at the site of the David Lam Management Research Centre.

Following the ceremony, a reception and buffet supper will be held in the War Memorial Gym, beginning at 6 o'clock p.m.

Telepledge supports students through President's Fund

"Hi, Mr. Smith. I'm a UBC student calling from campus tonight. I'm calling to

talk with you about the letter you received from the Alumni Association President regarding the World of Opportunity Campaign..."

By the end of April, more than 15,000 UBC alumni will have received similar phone calls from students through the telepledge program.

Organized by the UBC Development Office, the program began in October 1990 to gain alumni contributions to the President's Fund Opportunity Endowment. The endowment, which supports initiatives in learning, research

see Telepledge Page 2



UBC students ringing in the New Year.

Major ceramics exhibit premieres for Campaign donors

World of Opportunity Campaign donors were treated to a preview showing of one of Canada's finest collections of European ceramics, donated by longtime UBC benefactor Walter C. Koerner.

The Koerner Ceramics Gallery, housed in a new wing of the Museum of Anthropology, was donated to the museum in 1988 by Koerner as part of the Campaign. The \$3 million gift has been matched by the Government of British Columbia.

The collection adds a significant European dimension to the museum, which is known primarily for its Northwest Coast Indian and Asian art. It dates from the 16th to 19th centuries and includes examples of Italian Renaissance ceramics, Anabaptist ceramics made by the ancestors of today's Hutterites, and Renaissance and baroque ornamental tiles created for decorated ovens and stoves.

Koerner acquired the 600-piece collection over the span of 80 years, beginning when he was an 8-year-old schoolboy living in

what was then part of the Austro-Hungarian Empire, now Czechoslovakia. Encouraged by his mother, he began collecting decorative ceramic objects, usually plates and jars, created by peasant potters and sold on local market days.

More than 200 people attended the Dec. 10 event, including Campaign Leadership and Advisory Council members, government representatives, donors and friends of the university. Among the guests was Roger Odlum, the son of the late Maj.-Gen. and Mrs. Victor W. Odlum. A gift from the Odlum estate made possible the construction of the new west wing of the museum that houses the collection.



Campus planner Andrew Brown shows donors the changing face of the UBC campus.

In the fall, an international ceramics symposium will be held at the museum, where academics from several disciplines including archaeology, fine arts, medical history and science will analyze the historical, scientific, social and economic significance of the artifacts.

In addition to the premiere showing of the Koerner collection, Campaign donors were updated on the status of the new campus plan. The plan provides for the construction of buildings, made possible through contributions to the World of Opportunity Campaign by the Government of British Columbia, individual and corporate donors, and foundations. The new buildings will have a profound impact on the identity and the productivity of UBC: David Lam Management Research Centre, Sport and Recreation Centre, Chan Centre for the Performing Arts, Morris and Helen Belkin Art Gallery, Green College, Centre for Integrated Computer Systems Research, Advanced Materials and Process Engineering Building, Forest Sciences Complex, New Library Centre, Creative Arts Centre, First Nations Longhouse.

Major Donors to the World of Opportunity Campaign

As of February 18, 1991

The University of British Columbia is pleased to recognize the following donors to the World of Opportunity campaign.

Recognition is also gratefully extended to the **Government of British Columbia** which has expressed its commitment to higher education by matching gifts to the Campaign, and to the **Vancouver Foundation** for matching gifts to the President's Fund Opportunity Endowment.

The full value of the donor gifts, plus matching contributions, are gratefully acknowledged below.

\$10,000,000 or more

including matching funds
Chan Foundation of Canada
Cecil H. Green
Students of The University of British Columbia

\$2,000,000 to \$9,999,999

including matching funds
Alcan Aluminium Limited
B.C. Lottery Fund
Jack Bell
The Morris and Helen Belkin Foundation
Estate of Hugh M. Brock
British Columbia Telephone Company
C.K. Choi & Family (Eason Enterprises Ltd.)
Fletcher Challenge Canada Limited
Hongkong Bank of Canada
IBM Canada Limited*
Walter C. Koerner*
L.O.M. Western Securities Ltd. & Peter M. Brown
The Honourable David C. & Dorothy Lam
MacMillan Bloedel Limited
The Real Estate Foundation of British Columbia
Department of the Secretary of State of Canada
The Sauder Family
Mrs. Gordon T. Southam
UBC Alumni Campaign (continuing)
Vancouver Foundation
Workers' Compensation Board
W. Maurice Young

\$1,000,000 to \$1,999,999

including matching funds
The Arthritis Society
B.C. Hydro & Power Authority
Cominco Ltd.
Curragh Resources Inc.
The Hamber Foundation
Imperial Oil Ltd.
Edgar F. Kaiser, Jr.
Eugene W. King
Hewlett-Packard (Canada) Ltd.*
Maclean Hunter Limited
J.W. McConnell Family Foundation
Brenda & David McLean
Placer Dome Inc.
RHW Foundation
Robert C. Rodgers
C.N. Woodward
Anonymous
Anonymous
Anonymous

\$500,000 to \$999,999

including matching funds
B.C. Friends of Schizophrenics
Bank of Montreal
Bank of Nova Scotia
The Bentall Foundation
Canada Trust
Canadian Imperial Bank of Commerce
Canfor Corporation
Joan Carlisle-Irving
Mrs. Arnold B. Cliff
Finning Ltd.
Asa Johal
Multiculturalism and Citizenship Canada
RBC Dominion Securities Pemberton
Royal Bank of Canada
Shell Canada Limited
Stelco Inc.
Toronto-Dominion Bank
TRIUMF
UBC Faculty & Staff Campaign (continuing)
Weldwood of Canada Ltd.
Westcoast Energy Inc.
Weyerhaeuser Canada Ltd.
Anonymous

*Gift-in-kind, or partial gift-in-kind

Alumni 'telepledge' donations

continued from Page 1

and public service, provides seed money for topical seminars and conferences, faculty recruitment, the purchase of important collections, visiting lecturer programs and other projects.

For the 10 student callers who gather each night, armed with a telephone in one hand and a pledge form in the other, the program allows them to raise funds to help their fellow students, while finding out from UBC alumni what they've been doing since their university days.

"When an alumnus says he or she

would like to contribute, well, that just makes my day!" said one student caller. "It's terrific to see the alumni continuing to support their alma mater."

To date, more than 2,300 alumni contacted through the telepledge program have agreed to donate to the fund.

In addition, major donors to the President's Fund Opportunity Endowment include Mrs. Gordon T. Southam, Eugene W. King, MacMillan Bloedel Limited, Brenda and David McLean, Canfor Corporation, Phillips Hager & North Ltd. and the J.W. McConnell Family Foundation.

Campaign News briefs...



Warick

Ruth Warick, a former director in the Saskatchewan Public Service Commission, has been named the first director of UBC's Disability Resource Centre, funded through the World of Opportunity

Campaign.

Hard of hearing from birth, Warick has worked extensively with the hearing impaired community on a voluntary basis. She is a founding member of the Canadian Hard of Hearing Association and the National Forum of the Deaf and Hard of Hearing.

The establishment of the Centre was spearheaded by Rick Hansen and is the first of its kind of the world. Its plan has six components: research, advocacy, service, access, information and employment.

Hansen will remain at UBC as the first Rick Hansen National Fellow.

Funding for the Disability Resource Centre and the Rick Hansen National Fellow has been provided by the Government of Canada, the Government of British Columbia, the Vancouver Foundation, the Ford Motor Company of Canada Ltd. and Imperial Oil Ltd.

Architects have been selected for two buildings funded through the World of Opportunity Campaign.

Peter Cardew Architects will design the Morris and Helen Belkin Art Gallery. The gallery will mount major exhibitions and provide a home for UBC's art collection in a setting that meets international standards for the display and care of fine art.

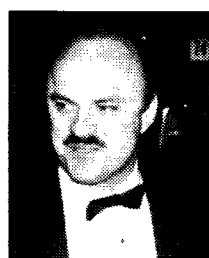
A.J. Diamond, Donald Schmidt & Company/Teilker Sim Barrison Weller Architects have been selected for the design of a Creative Arts Centre. The Centre will provide studio space for students and faculty in fine arts, music and theatre. In addition, it will include areas for printmaking, photography, drawing and painting, music practice and other studio arts. B.C. Tel and the Royal Bank are major donors to the Centre.



Green

Dr. Cecil Green, Honorary Chairman of the Campaign, will become Sir Cecil Green, this spring. Dr. Green, UBC's longtime friend and benefactor, is on the Queen's list to be knighted.

This is the latest in a long list of honors bestowed on Dr. Green. On the occasion of his 90th birthday last summer, an asteroid was named after him.



Ufford

Peter W. Ufford has been named UBC's first Vice-President, External Affairs.

His appointment is the culmination of a four year association with the university as Consultant to the

President on External Affairs. In that capacity, he was instrumental in initiating and organizing the World of Opportunity Campaign and acted as an advisor and facilitator to the President on all matters relating to the Campaign and external relations.

Ufford's extensive experience in fund raising and organizational development spans Canada, the United States and Australia. As an independent consultant, he assisted numerous educational, private sector and public sector organizations including the United Way, the Canadian Red Cross Society, the Vancouver Aquarium and the Canadian National Institute for the Blind. He is a founding director and past chairman of the Financial Development Association of British Columbia and a director of the Canadian Centre for Philanthropy.

\$250,000 to \$499,999

including matching funds
 BC Gen Inc.
 Chevron Canada Limited
 Chris Spencer Foundation
 Mr. & Mrs. Ronald Laird Cliff
 Dofasco Inc.
 Mrs. Violet E. Eagles
 Robin Endres
 The B.I. Ghert Family Foundation
 Inasco Limited
 Janet W. Ketcham & West Fraser
 Timber Co. Ltd.
 Cy & Emerald Keyes Charitable
 Foundation
 Kinsmen Club of Vancouver
 Michael M. Koerner
 Geoffrey Lau
 Mr. & Mrs. Robert H. Lee
 The Noranda Foundation & Noranda
 Forest Inc.
 Northern Telecom
 Northwood Pulp & Timber Ltd.
 Pacific Open Heart Society
 Phillips Hager & North Ltd.
 Royal Trustco Ltd.
 Scott Paper Limited
 Sun Life Assurance Company of
 Canada
 Western Pulp Limited Partnership
 Anonymous

\$100,000 to \$249,999

including matching funds
 Mr. & Mrs. K. Alston
 Andersen Consulting
 BC Sugar
 Canadian Pacific Forest Products
 Central Capital Corporation
 Estate of J.V. Clyne
 Du Pont Canada Inc.
 Falconbridge Ltd.
 Fisher Scientific Limited
 Ford Motor Company of Canada,
 Limited
 General Motors of Canada
 Glenayre Electronics Ltd.
 The Heart and Stroke Foundation of
 British Columbia and the Yukon
 Hong Kong - Canada Business
 Association
 ICI Canada Inc.
 Inco Limited
 London Life Insurance Company
 MacDonald Dettwiler & Associates
 McLean Foundation
 The Manufacturers Life Insurance
 Company
 Molson Family Foundation
 Nesbitt Thomson Inc.
 Pacific Press Limited
 Petro-Canada Inc.
 Rayrock Yellowknife Resources Inc.
 Rio Algom Limited
 The Simons Foundation
 Henry S. Skinner
 George Chia Chi Tso
 Valleydene Corporation Ltd.
 James B. Wallace
 Senta Wong
 Xerox Canada Incorporated
 Anonymous
 Anonymous

\$50,000 to \$99,999

including matching funds
 Air Canada
 Dan & Arlene Birch
 Joanne V. Brown
 W. Thomas Brown
 Bull Housser Turner
 Grant D. Burnyeat
 Canadian Pacific Limited
 Canada Life Assurance Company
 Chinese Canadian Dental Society of
 B.C.
 Confederation Life Insurance Company
 Crown Life Insurance Company
 Domtar Inc.
 Audrey & Bruce Gellatly
 David F. Hardwick
 Mr. Taichi Kameyama
 Ting K. Lee
 North American Life Assurance Co
 Princeton Mining Corp.
 Rogers Communications Inc.
 Russell & DuMoulin
 K.D. Srivastava
 David & Alice Strangway
 UMA Group
 Western Forest Products Limited
 W. Robert Wyman
 Anonymous
 Anonymous

Other Gifts

Generous support has also been
 received from the community and
 alumni, including the UBC Campaign
 Leadership Committee and Advisory
 Council, Campus Leadership, and The
 Westbrook Society

Hong Kong Gala Attracts 200

A ballroom in a Hong Kong hotel was transformed into the scene of a UBC rally for a gala celebration, honouring the enthusiastic support of Hong Kong alumni and donors to World of Opportunity Campaign.

More than 200 people attended the Jan. 10 dinner, hosted by President David Strangway and Dr. Anthony Cheng, president of the Hong Kong Branch of the UBC Alumni Association. B.C.'s Lieutenant-Governor, The

Kelowna, donated the table wine featuring the UBC 75th Anniversary crest.

President Strangway expressed the university's gratitude for the early interest shown by the Hong Kong community in



B.C. Lieutenant-Governor, The Honourable David C. Lam (2nd from left), with Ian Fok and Mr. & Mrs. Benjamin Fok.

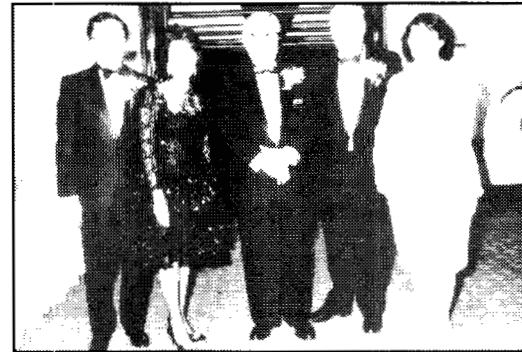
Honourable David C. Lam, was the special guest.

University banners and a display of "UBC - Past and Present," including the new campus map, lined the perimeter of the ballroom. The table settings, in blue and gold, featured greenery from the Botanical Garden and UBC teddy bears wearing toques and scarves in university colors.

The meal provided a taste of British Columbia -- grilled B.C. salmon, topped with sun dried tomatoes, and Canadian wild rice as the main course. Okanagan apples wrapped in filo pastry made for a truly B.C. dessert. Dah Chong Hong Ltd. donated and transported the B.C. delicacies and Cedar Creek Winery, of



UBC alumna Gayle Chan entertains.

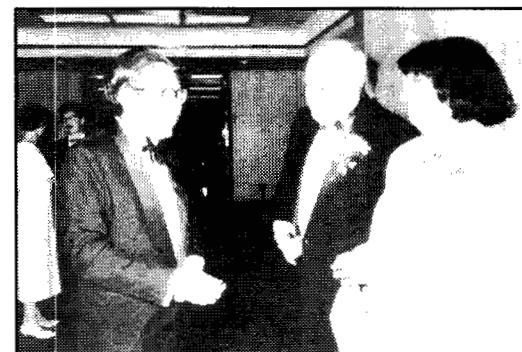


Alunni Association Hong Kong Branch President & Mrs. Anthony Cheng, the Hon. David C. Lam, and Dr. & Mrs. David Strangway.

supporting the World of Opportunity Campaign. The international component of the Campaign was launched only a few months ago.

He acknowledged the following Hong Kong donors for their support:

- Hongkong Bank of Canada for the establishment of the Hongkong Bank Chair in Asian Commerce and the Hongkong Bank Chair for the Director of the Institute for Asian Research;
- Mr. Senta Wong, Mr. George Tso and Hong Kong alumni who have contributed to the President's Fund;



Henry Fong, greeted by Dr. & Mrs. David Strangway.

- Cathay Pacific Airways Ltd. for an initial commitment of support to the Education Abroad Program.

Strangway also acknowledged the



Gala at the Hongkong Hilton.

tremendous support of British Columbians with roots in Hong Kong:

- His Honour The Honourable David C. Lam and Mrs. Dorothy Lam for their many years of commitment to UBC, resulting in the establishment of projects including the David Lam Management Research Centre, the David Lam Chair in Multicultural Education, the Dorothy Lam Chair in Special Education and the David C. Lam Asian Garden;
- the Chan family for its major gift toward the Chan Centre for the Performing Arts and the Chan Shun Auditorium;



Victor Li welcomed by Dr. & Mrs. David Strangway.

- Mr. Chong Kwok Choi for the establishment of the C.K. Choi Scholarships and Fellowships.

The President then thanked Campaign Leadership and Advisory Council Members Bill Spence, Joseph Yu, Dr. Anthony Cheng, T.C. Ho and Russell Mark for their efforts in support of the Campaign.

Concluding his remarks, Strangway wished the guests "Kung Hei Fat Choi," "Happy New Year."

Students experience life through Education Abroad Program

When Ming Ming Kam arrived at the Vancouver International Airport from Hong Kong last September, she was amazed that she could hear Cantonese spoken as she made her way through customs.

Ming Ming, a 21-year-old student from the Chinese University of Hong Kong, is one of an increasing number of international students arriving on campus through exchange agreements and scholarship programs. Many of them are here through the efforts of UBC's Education Abroad Program, funded through contributions to the President's Fund.

While pleased to hear the familiar sound of her native Cantonese spoken, Ming Ming is grateful for the opportunity to spend time in another culture.

"I'm studying international business and while I'm here, I'm looking forward to questioning Canadian and Western business

techniques firsthand. It's much better than reading a textbook in Hong Kong," she said. "Often in Hong Kong, people don't have as much time to spend with students, but here, a lot more time is spent on us."

UBC's Education Abroad Program (EAP) enables outstanding graduate and undergraduate students to integrate into the academic and social life of a foreign country, while fulfilling degree requirements of their home university. Within the next five years, it is anticipated that more than 200 UBC students could be studying abroad under EAP scholarship. Already, UBC has reciprocal agreements with universities in the U.S., Japan, Korea, Denmark and Hong Kong.

To date, funding for the Education Abroad Program has been provided by Cathay Pacific Airways Limited and Westcoast Energy Inc.



Hong Kong resident and international student Ming Ming Kam

Bob Jernison

conversation:

Deans and donors discuss importance of endowed chairs



David Morton, Chairman & Chief Executive Officer, Alcan Aluminium
Alcan Chair in Neurosciences

"As a major international producer of aluminum and aluminum products, ALCAN has a keen interest in the alleged relationship between aluminum and Alzheimer's Disease. We are supporting increased medical and scientific research aimed at discovering the cause and the treatment of this terrible disease.

The scientific and medical research to date, while inconclusive as to the cause, show that there is no evidence that normal exposure to aluminum causes

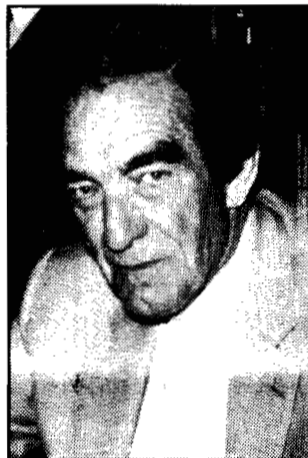
Alzheimer's Disease in healthy individuals.

Alzheimer's Disease remains a tragic mystery. There is no known cause, and there are no known cures. At ALCAN, we will continue to support the search for the facts."

Robert C. Rodgers, Donor
Patricia F. Rodgers Chair in Applied Ethics

Mr. Rodgers funded the Chair in memory of his late wife Patricia F. Rodgers.

"There are a lot of social, ethical and moral problems out there and young students on campus need to become aware and find solutions to them. The university or institute of higher learning is the logical place where this should happen. I hope this Centre for Applied Ethics will become instrumental in helping these young people find some answers."



Dr. Martin J. Hollenberg, Dean, Faculty of Medicine
Alcan Chair in Neurosciences

"In the Faculty of Medicine, we have singled out the neuroscience area as one to be developed rapidly. Our research plan is to develop a brain research centre at UBC and at the University Hospital at UBC. This chair fits right into this development and will be a major force in getting the centre going.

The mission of the centre will be to understand a whole host of diseases affecting the nervous system and to

develop better ways to manage these illnesses and eventually to prevent and cure them."

Dr. M. Patricia Marchak, Dean of Arts
Patricia F. Rodgers Chair in Applied Ethics

"Ethical issues are highly controversial in an industrial world where bio-technology, telematics, and other high technology industries and communications systems have radically altered our traditional patterns of life. Our social and moral values are not clear, nor are the proper choices obvious. This is why it is so important to create a Centre of Applied Ethics.

The Centre, located in the Philosophy Department of the Faculty of Arts, will be guided by a steering committee of deans from all faculties because all areas of contemporary life are affected by these issues."



Clifford Frame, Chairman and Chief Executive Officer, Curragh Resources
Clifford Frame Chair in Mining & Mineral Process Engineering

"In the mining industry, we are always looking for innovative people to develop methods for improving the mining and metallurgy environment. We actively support UBC in its efforts to attract top-notch researchers and students."



Dr. Axel Meisen, Dean, Faculty of Applied Science
The Clifford Frame Chair in Mining & Mineral Process Engineering.

"The newly endowed Chair will enable the Department of Mining and Mineral Process Engineering to further improve the competency of its graduates in the application of advanced technology to the solution of mining and mineral processing problems. In addition, the Chair will strengthen the Department's research in areas such as mine stability, robotics, control engineering and minerals (including coal) processing."

James Cleave, President and Chief Executive Officer, Hongkong Bank of Canada
Hongkong Bank Chair in Asian Commerce

"Our parent company is in southeast Asia, so our interest in the growing importance of Pacific Rim trade is evident. Knowledge and interest in this area will allow Canada and B.C. to penetrate that market and if the economy is growing then that's good news for the banking industry and for B.C."



Dr. P. Lusztig, Dean of Commerce & Business Administration
Hongkong Bank Chair in Asian Commerce

"This Chair will not only enable us to add a distinguished senior scholar to our Centre for International Business studies, but it will also provide sufficient resources to compete for, and attract, the very best. Furthermore, with teaching and research interests relating to Asia which are relevant to British Columbia and Canada, this scholar will be a particularly valuable additional resource to our Faculty."



Opportunity

The UBC Campaign News

UBC Development Office

Editor:

Debora Sweeney

Contributors:

Rosemary Ogilvie

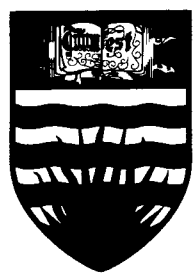
Leanne Jacobs

Matt Shandro

Production/Design:

Carrie Holcapek

THE UNIVERSITY OF BRITISH COLUMBIA ON ACCEPTING THE PRESIDENCY FOR A FOR A SECOND TERM



DAVID W. STRANGWAY

To: The Board of Governors, UBC

It is an honour for me to have been asked to serve as President of the University of British Columbia for a second term. After careful consideration, it is a privilege for me to confirm my acceptance.

In the past few years, there have been many strides forward in the university system of British Columbia, and at UBC in particular. But there are many challenges still ahead. At this juncture in time we must struggle to ensure that the University of British Columbia continues to lead the field in its commitment to excellence in teaching and research, promoting a high level of academic and intellectual activity in all of its fields.

Only with on-going dedication, focused cooperative energy, and adequate support can UBC achieve its mission of being an internationally respected Centre of Excellence.

THE CHANGING SCENE

For many years the Province of British Columbia was at the bottom of most of the national indicators profiling Canadian higher education. For example, British Columbians suffered from a profile which saw us as:

- having the lowest participation rate of 18-24 year olds in university education of any province in Canada.
- having the lowest expenditures on post-secondary education per unit of personal income in Canada.
- having the lowest expenditures on post-secondary education as a percentage of the provincial domestic product in Canada.
- being among the bottom two provinces in provincial grants to universities on a per student basis.
- having faculty salaries well below national averages.
- having decreased grants to universities by 23% in constant dollars per student between 1980/81 and 1988/89 while increasing provincial grants to the health care system by 13% on a patient day basis and to the K-12 public school system by 10% on a per student basis.

There are welcome and strong indications that this is turning around. There is increasing understanding in community, government, private sector, and academic circles of the university's key role as a springboard from which we can move forward to ensure the future economic, cultural and social well-being of the province. In 1987 we noted that "just as a tree must be healthy in order to bear good fruit, so the University needs a strong infrastructure to maintain a first class institution that will continue to produce areas of strength." The University is receiving more support to be increasingly competitive in attracting and retaining the best faculty. Our provincial grants have been rising at rates faster than inflation. If this continues for the next few years, then we will finally achieve, as planned by the government, the goal of having one of the best funding levels in our country on a per student basis.

Within this context it is worth noting that UBC continues to be well and efficiently administered. Only one other university in Canada competes with UBC for the position of having the lowest percentage of its operating budget dedicated to administrative costs. This is even more remarkable when it is recognized that in the past five years the academic budget, as a percentage of the overall operating budget assigned to the faculties, has not decreased. We have moved strongly to implement automation in the

process of running the university though there is still more to do, including the full development of library computerization and further devolving of computing resources.

STUDENTS

In tandem with increases in government funding, UBC will be implementing a plan to increase tuition fees for each of the next three years at a rate equal to the consumer price index for the previous year plus 4.5%. A portion of the 4.5% is needed simply to keep up with the increasing costs of operating the university and to ensure we retain our competitiveness. The remaining portion of the funds will be used in part to improve the student aid program and in part to provide needed improvements in the teaching and learning environment. The student aid portion will supplement the recently improved provincial student aid program to make it one of the best in Canada. By providing additional aid and by coordinating part-time work opportunities on campus, we will be ensuring that no student qualified to meet UBC's increasingly stringent admission standards will be denied the opportunity to attend for financial reasons alone.

The advanced teaching and learning environment fund reinforces the need to ensure our continuing commitment to teaching as an essential role of the university. The recently announced teaching prizes and the continuing faculty development project attest to the significance of excellence in teaching.

At the same time UBC has taken steps to ensure equality of opportunity for access to UBC. The newly-established Disability Resource Centre (from campaign funds) is ensuring that we are aware of the issues affecting the disabled. The First Nations House of Learning and the Longhouse (also from campaign funds) now in the final stages of planning are helping to make UBC a more welcoming place for native students.

Although women now represent half of the student body, they are still under-represented in the sciences and engineering, and in graduate studies, particularly at the Ph.D. level. We will continue to encourage women to access these opportunities.

The communications revolution has shown people everywhere that education is important. Employment demand and income for university graduates remain much higher than for non-graduates. In the face of this reality, the demand for university education continues to climb dramatically in the Province of British Columbia. Participation rates for 18 to 24 year olds, until now the lowest in Canada, are increasing. In the past four years, applications for admission to UBC alone have increased by 50%.

For the first five decades of our 75 year history, UBC was the only university in the province. During this time UBC accommodated all demand for post-secondary education. In the 1960s the B.C. post-secondary education system expanded and so did UBC. This virtually ensured that those students seeking admission to university could be admitted. With the recent dramatic growth in demand for a university

education, this is no longer possible, certainly not at Point Grey. We already have 28,000 FTE or 41,000 individual students working towards degrees, and another 40,000 continuing education students. Yet another 15,000 new student places are needed as British Columbia commits itself to reaching national participation rates in the post-secondary education sector. A significant number of these new places will be at the graduate level where UBC plans its limited expansion. The rapidly rising number of excellent applicants for graduate study confirms this need. This reflects a more general trend as students seek a broadly based undergraduate education followed by greater specialization in post baccalaureate programs.

The strategic plan for the development of UBC, published in the summer of 1989, re-commits us to an essentially no-growth campus model in which limited expansion will take place at the graduate level while we maintain a constant number of graduates at the baccalaureate level and student places are created at new degree granting institutions. The creation of these institutions emerged out of a Minister's Task Force which recommended that over six years, 15,000 new post-secondary student places should be created — at least half outside the southwestern corner of the province. The program of expansion is now well under way. The Government of British Columbia's commitment to funding these places at full cost while not diluting funding to the rest of the post-secondary educational system is part of the province's recognition that a well-educated citizenry will be necessary for economic growth and development as we approach the Pacific Century. We must be sure that this commitment is honoured so that there are indeed many more opportunities for our young people.

UBC is pleased to be a partner in Kelowna and Kamloops and we are encouraged by the degree granting opportunities being provided in Nanaimo and Prince George. We look forward to our first graduation ceremonies in Cariboo and Okanagan Colleges in 1991. Two years of the Access Program have now been implemented. There are still four more to go.

ACADEMIC PLANNING

Another element in UBC's strategic plan which is well under way is the re-examination of our undergraduate curricula in the Faculty of Arts and the Faculty of Science with the aim of ensuring that the broadly based needs of today's students in a rapidly changing world are being met. Liberal arts and liberal sciences will provide a broad knowledge base for more specialized or advanced studies at the post-baccalaureate level. At the same time many of the barriers to multidisciplinary study are being removed. Some of the steps contributing to this development include: the renewal and expansion of the Institute for Asian Research, the creation of the Centre for Applied Ethics, the development of a Biotechnology lab based in five faculties, the creation of a master's degree in Arts Administration, the plans for a School of Journalism, the development of a program in Occupational Hygiene, the formation of a CIDA-funded Centre of Excellence in Human Settlements, the establishment of the new Sustainable Development Research Institute, the creation of a joint master's degree in Commerce and Applied Science and Science (in Technology Management), the plan to establish a joint program in Food Science and Commerce, the amalgamation of the Departments of Geological Sciences, Geophysics and Astronomy and Oceanography, the creation of a Centre for Integrated Computer Systems Research (CICSR) and The Media and Graphics Interdisciplinary Centre (MAGIC). The Pacific Forest Sciences Centre will link the work of several faculties and will connect with Feric, Forintek, and PAPPICAN to provide a unique research environment. The emerging opportunities in multi-disciplinary fields that

build upon strong disciplines represent an exciting dimension to the academic planning now underway.

Many of these new elements have been assisted by the provincial Funds for Excellence in Education (FEE) Program, by the provincial Access For All Program and by the Campaign (both private and provincial matching funds.)

UBC plays a central role in teaching and research in the health sciences which support the provincial health care system. UBC's competitively won grants and contracts in the health sciences bring in about the same amount of money to the province as the University spends from provincial and tuition sources in the health care disciplines. UBC's relationship with the teaching hospitals is key to this activity. Within the planning and priority setting processes of the teaching hospitals, recognition is given to the importance of this relationship with the University. It has been said that teaching hospitals are the same as all other hospitals in that they are there to care for the patient. But teaching hospitals differ in one very significant way. In addition to looking after today's patients, the staff must be concerned about how the patients ten to twenty years from now will be cared for. It is in this dimension that the teaching hospitals have indicated their willingness to work increasingly with UBC to develop priorities which will ensure that we are full partners in meeting health care needs in the future.

CAMPAIGN

Perhaps one of the most widely known and successful elements in UBC's strategic plan has been the major campaign, dedicated to establishing UBC as a partner in opening up "A World of Opportunity". Our first campaign calls were made early in 1988. In the spring of 1988, the B.C. government, represented by the Premier, made a commitment to match campaign funds raised by the three B.C. public universities up to a level of \$110 million over five years. The formal launching of UBC's campaign took place in March 1989 at which time we were able to announce pledges received totalling \$44 million. At the same time the Premier announced that the province, in addition to providing matching funds, would fully fund three new buildings at a cost of \$75 million (in 1989 dollars) as UBC's share of ongoing capital grants. These three capital projects are the Forest Sciences Centre (expected design start date: April 1991), the Centre for Integrated Computer Systems Research (CICSR—also housing the Department of Computer Science and Electrical Engineering) (approved design start date: December 1990), and the Advanced Materials and Process Engineering Laboratories (expected design start date: April 1991). These buildings are to be completed by 1994. In addition, the province has funded the Chemistry/Physics Building completed and opened in 1989, as well as the University Services and Student Services buildings now under construction. We plan major renovations to the Scarfe (Faculty of Education) Building which will permit us to move faculty and staff out of a number of the old World War II army huts still being used.

The University of British Columbia has now passed the \$90 million mark in gifts received from donors in B.C., from across Canada, and from around the world. We expect the campaign to be completed during 1992. The B.C. provincial government has already increased the total matching fund to \$150 million. Now with the rapidly developing international profile of The University beginning to flourish, there is a powerful incentive for the government to expand its matching grants program in order to access new sources of funds, particularly from the national and international sectors.

Endowments, gifts-in-kind, and capital are matched — not operating funds. This has been an important element in our success.

ON ACCEPTING THE PRESIDENCY FOR A SECOND TERM

The funds raised are a vital supplement to the regular funding of the university provided by provincial government grants and student tuition, in the process really helping the university to open up a "world of opportunity."

The generosity and support of the people of Vancouver and British Columbia and of the B.C. Government for the University has been overwhelming and especially heart warming. It is worth noting that UBC is also receiving remarkable support from Toronto, Montreal, the United States, and the Pacific Rim countries of Asia. This generosity will permit us to build a Creative Arts Centre; a Performing Arts Centre which will include the Chan Shun Auditorium with a 1400-seat orchestral theatre and 700-seat Proscenium Stage Theatre; the Morris and Helen Belkin Art Gallery; a new library; a student athletic and recreation facility (funded in part by the students); the David Lam Management Research Centre; and a new centre to house our expanded Institute for Asian Research. Cecil Green's support of Green College, a graduate residential college adds an exciting dimension to UBC. Supporters of the University will also make it possible to establish at least forty new endowed chairs (faculty positions) and to endow significant numbers of scholarships and bursaries. These will in turn lead to a new level of activity in teaching and research.

As part of our campaign celebrations, a gala dinner was held in December 1989 in Hong Kong in recognition of major donors linked to that vibrant city and again in January, 1991. We were honoured to host these dinners in the presence of the Lieutenant Governor of British Columbia, His Honour the Honourable Dr. David Lam.

Throughout the campaign, it has been recognized that our success rests not only on the funds raised, but also on the long-term relationships established and on our ability to sustain ongoing fundraising activity with university-wide and community involvement. Accordingly, we have consolidated our efforts by creating the post of Vice-President, External Affairs. We must ensure that the advances we have made and the lessons we have learned are reinvested so that the University can truly achieve its mission to be internationally known and respected as a centre of excellence in teaching and research and so be in a position to help ensure a better future for all British Columbians. One measure of success of the campaign will be our ability to continue university-wide fundraising on an ongoing basis after 1992. I will be appointing a group of leaders from across B.C. and Canada, and from around the world to serve on a President's International Advisory Committee.

GOVERNMENT SUPPORT

That British Columbians value their universities and support the mission and strategic development plan which are guiding UBC is clear by the enthusiastic and generous level of support which the major campaign has received from all sectors. Particularly welcomed have been provincial government initiatives (1) to provide nationally competitive operating grants, (2) to increase the number of student places to reflect national participation rates, (3) to resume capital funding programs, (4) to provide matching funds programs to reinforce private sector fund-raising efforts, (5) to develop the innovative student aid program, (6) to provide an equipment fund, (7) to provide a public works and maintenance fund to help preserve the fabric of the existing campus, and (8) to provide infrastructure support in connection with competitively-won research grants. Now they have indicated their willingness to use a formula system for grant allocations.

Government commitments in these areas have been well-received and have done much to change the outlook and to restore morale at B.C.'s universities. With commitments continued on the present course, the universities, together with the government, can continue to work to build a stronger province—a province at the competitive leading edge, technically, culturally, socially and economically, during the decade ahead.

Some of the achievements which have already been secured are worth noting:

- UBC is among the top three or four universities in Canada in terms of bringing in the most research dollars won competitively. The \$100 million generated in this way today is, in itself, an important source of economic activity in British Columbia.

- UBC's library, one of the largest in Canada, has the highest circulation rate of any research library in North America.

- We have been selected by CIDA as a centre of excellence in Human Settlements supported by a \$5 million dollar grant for activities linking UBC with partners in China, Thailand and Indonesia.

- In the National Networks of Centres of Excellence competition, UBC won the sweepstakes bringing in more funding (13% of the total available) than any other university in Canada. Three of the 14 centres are headquartered at UBC, while the university is a participant in 12. The B.C. government played a critical role in this development through providing infrastructure costs to ensure that UBC could effectively use the research dollars awarded at the national level. With this support, UBC is expanding its Biotechnology Laboratories. This starts to address a critical space shortage. We look forward to receiving continued and increased government support in university infrastructure to allow us to be even more competitive in producing first-rate results.

INTERNATIONAL

- UBC is developing a very strong international presence. This includes links and exchanges with nearly 100 universities around the world. The steady flow of high-level visitors from around the world is an indication of the level of awareness and involvement.

- A special link with Ritsumeikan University of Kyoto, Japan will see a new residence built on campus (100 students from Japan, 100 from UBC) and a unique program developed for 100 students a year from Ritsumeikan.

- A significantly-expanded Institute for Asian Research with increased emphasis on area studies of various parts of Asia will be funded by the campaign.

- The increased level of international activities and international exchanges reinforces UBC's longstanding commitment to understanding the languages and cultures of other people in our global community.

- A consultant's study is underway to determine whether we can introduce a special internationally focused one-year post-baccalaureate diploma program. Academically well-qualified international students and professionals would spend a year at UBC advancing their fluency in English while completing a broadly focussed academic program. It would be required that the program be offered at no net cost to UBC. Some of the outstanding students would likely go on to graduate study.

- For some years the number of international undergraduate students at UBC was very low, less than 1% of our total undergraduate population. The university has made a commitment to having some of the best and brightest young minds from around the world join our students. Our target is to have international students represent 5% of undergraduate students. We have already reached the 1.7% level but we have a way to go. We are also making significant progress on our objective to attract excellent students from across Canada.

- At the same time UBC is committed to increasing opportunities for UBC students to spend time studying at partner academic institutions abroad for one year as an integral part of their UBC degree. By 1995 UBC expects to have 5% of its students entering into third year spending a year abroad on

reciprocal exchange programs with the best universities around the world. Students register and pay academic fees to their home university, and pay no fees to the partner institution. Their costs abroad will be for room, board, incidentals and travel. Awards, scholarships, and financial aid are portable. Similar arrangements are available to students at the graduate level. This program is currently being fully developed and expanded in the first phases to include partner institutions in Asia, Europe and the USA.

CHANGES AT UBC

- Our admission cut-off levels have been rising each year. Our admissions policies are being modified to ensure that we actively seek to admit those students who can be expected to do well at UBC. We anticipate declining drop-out and failure rates as the admissions process improves. The result will be that increasing numbers of students will complete their education at UBC.

- UBC expects graduate student enrolment to increase to 6,000 students within the next four years with continuing support from the provincial access funding.

- UBC has already made substantial headway in its commitment to doubling its income from research grants and contracts over the next 10 years.

- UBC spin-off companies currently number over 70 and are doing over \$800 million worth of business a year.

- UBC has introduced teaching, research, and service prizes that recognize outstanding performance in each of these important areas as part of its commitment to ensuring a high quality teaching and learning environment.

- UBC has created a policy to ensure freedom from sexual harassment and a task force is working on the issue of freedom from racial harassment. These initiatives demonstrate the University's active commitment to and belief that all members of the community are entitled to work in a positive harassment-free environment.

- A task force on recycling is working on approaches to reduce waste, to create an environmentally friendly work place, and to protect our earth for future generations.

- UBC has pledged itself to being a model employer and to creating an environment equivalent to that of companies selected as among the best 100 companies to work for. We have made a start, but there is much to be done in the next few years to ensure a high quality of work environment.

- We are committed to the principle of employment equity. During 1991 we will be developing our own hiring goals to ensure that we can live up to the principle.

- We have launched a two-year comprehensive job reclassification scheme to ensure that our various categories are properly described and categorized.

- Management and professional staff are now represented by elected members on an advisory committee to ensure that their interests are fully considered.

In the past few years we have been able to provide significant renewal of our faculty. Four hundred and twenty of our present complement of about eighteen hundred faculty members were appointed in the past five years. This is bringing a fresh vitality to UBC that is unique across the country. With the recent Supreme Court ruling upholding mandatory retirement we can continue the process of renewal through the decade ahead. The objective is to keep the faculty complement on a very limited growth basis. The active voluntary early retirement plan has been and will continue to be an important element of our process of renewal.

These achievements, initiatives, and plans at UBC have only been possible through the

efforts of a large number of committed individuals working together to create a better University which in turn can then contribute to the long term development of the province, the country and the global village of which we are all a part.

The recent announcement of new funding for science and technology and for the environment has been most welcome since the peer review process adopted in awarding these funds will ensure that they are spent on first-rate research and will help to make B.C.'s universities even more competitive in attracting funds from outside the province. In British Columbia, the provincial government is providing its share to ensure that spending on research and development rises to the target of 2.5% of the gross national product. We need a further plan to develop a funding mechanism for research in the social sciences and humanities.

Recent public opinion polls in British Columbia show the remarkable level of support that the population has for its schools, colleges, and universities. To quote from one of the reports: "These findings indicate that education in general, and university funding specifically, appear to be emerging as priority issues for many British Columbians. Moreover, the recognition that funding has been insufficient in the past has increased in the last two years. This suggests that the public is more willing to support increased funding than in 1987."

UBC has just celebrated its 75th Anniversary of service to the province and the country. It has been an exciting year to remind ourselves of our history and to reflect on our future.

The universities of British Columbia have a high degree of autonomy in designing and developing their programs and in setting their priorities. The reverse side of the autonomy coin is accountability. Of all institutions in society today, it is probably the universities that are the most accountable. All of our information is in the public domain, down to the salaries and expenses of every member of the community and including all fiscal transactions. The openness of the process of reporting to any bodies — faculty, students, staff, Senate, and the Board of Governors — is an important element of accountability. The university is completely open to the media. Each faculty and department is now reviewed every five years with the aid of experts in the field.

British Columbian tax dollars and tuition dollars are wisely spent and are publicly accounted for. At the same time the autonomy which is so vital to the creative energy of the university is being used wisely today, as it always has been, for the betterment of teaching, research and service which maximize the benefits to the province of British Columbia.

Much has been achieved but here is much to do as we look ahead. Many of the things discussed have just been started and there will be a need for increased consultation on campus to ensure that these gains are indeed realized. We must ensure that departments and faculties continue to reduce the barriers to cross-disciplinary teaching and research programs. With the continued commitment to partnership between university, private sector, and government, we can have a provincial post-secondary education system second to none in Canada. It can serve British Columbians well in these changing and challenging times. It is on this basis that I enthusiastically accept a second term in the presidency of UBC, for I know that during the next six years we will rise to our full potential on behalf of all British Columbians.

David W. Strangway

President
The University of British Columbia
Vancouver, B.C., Canada

People

Ken Bagshaw appointed to Hamber Foundation

Ken Bagshaw, Chairman of UBC's Board of Governors, has been appointed to the board of governors of the Hamber Foundation.



Bagshaw

The Vancouver-based Hamber Foundation was established in 1964 in the memory of Eric Hamber, a former lieutenant-governor of B.C. and UBC chancellor from 1944-51. The foundation makes grants for cultural, educational and charitable purposes within B.C.

The foundation has made many donations to the university over the years, including a \$500,000 gift to the World of Opportunity campaign which, when matched by the provincial government, will create an endowment for the Honorable Eric W. Hamber Professorship in Medicine. The foundation previously funded the professorship on an annual basis.

The university had been represented at the foundation by Robert Wyman, former chairman of the board of governors and current chairman of the World of Opportunity campaign.

Wendy Fan, administrator in charge of records in the Faculty of Graduate Studies, has been appointed chair of the Graduate School Issues Committee of the American Association of Collegiate Registrars and Admissions Officers for 1991-1992.



Fan

The aims of the committee are to establish a network of graduate admissions and records officers and to encourage co-operative action on common concerns.

Fan has held her current position with the Faculty of Graduate studies for four years.

Microbiologist **Brett Finlay** has been given the Fisher Award by the Canadian Society of Microbiology.

The society presents the award to encourage and recognize new researchers in the microbiological sciences.

Finlay, an assistant professor who holds a joint

appointment in the departments of Biochemistry, Microbiology and Biotechnology Laboratory, has been with UBC since 1989.

His research interest is how certain types of virulent bacteria such as Salmonella cause disease. Finlay investigates bacteria that have the ability to invade living cells, where they are beyond the reach of antibiotics and the body's natural defences, and how the bacteria interact with these cells.

Finlay will receive a \$1,000 cash prize when he travels to London, Ont., to accept the award.

Two UBC faculty members have been chosen to help develop a plan for the future of Stanley Park.

Eric Broom, of the School of Physical Education and Recreation, and **Alan Artibise**, director of the School of Community and Regional Planning, will be part of the six-member Stanley Park task force.



Broom

Regeneration of the forest, expansion of the aquarium and development of the zoo are among topics to be discussed during public hearings. Other issues involve natural resources, recreation, transportation, and education services.

The municipal task force is scheduled to report back to the board of parks and recreation with its findings and recommendations by Nov. 30.

Frank Eastham has been named Associate Vice-President, Human Resources, at UBC.

Eastham has more than 20 years of experience in the human resources field. His most recent employment was with Atlantic Packaging Products Ltd., of Scarborough, Ontario. Previous to that he served with the University of Windsor and the Ontario Public Service Employees Union.

He has also had teaching assignments at the National Institute for Higher Education in Limerick, Ireland, and at Seneca College of Applied Arts and Technology in Ontario. He begins at UBC on April 15.

Forest companies show off their stuff in research forest

By ABE HEFTER

For the past four years, members of B.C.'s major forest companies have been hard at work at the Malcolm Knapp Research Forest. The companies are taking part in a management challenge to show off their forest management policies. And UBC forestry students are receiving first-hand benefits from their efforts.

"Once a year, the chief foresters of the major forest companies get together to talk about mutual problems," said Research Forest Director Don Munro. "In 1986, their study session included a tour of the Malcolm Knapp Research Forest."

That's when the challenge was issued.

"Each of these corporations claim that what they are doing is what should be done in modern forestry management," said Munro. "So I told them to take about a hectare of land and manage it according to their own corporate objectives."

The companies, which include MacMillan Bloedel, Fletcher Challenge, International Forest Products and Weldwood, accepted the challenge. As a result, forestry students have been able to witness a demonstration of some of the most common corporate regimes for intensive management of Douglas-fir forests on the coast of B.C.

"The management challenge has turned this particular region of the research forest into one big classroom demonstration," said Munro. "We've been able to get our students to assess these corporate regimes from an ecological, wildlife and economical point of view."

Resident Silviculturist Peter Sanders said the difference in tree forms in each regime is now becoming apparent.

"The use of space is the operative variable in each management strategy. Some of the companies have opted to grow trees for size, quickly, by giving



Malcolm Knapp Research Forest is used to demonstrate different approaches to forestry management by major forest companies.

them plenty of room to grow. However, the result is generally wood of lower quality."

Sanders said that some of the companies have opted to grow their trees in a high-density fashion, resulting in slower growth and narrower trees. However, these trees are generally of higher quality, he added.

"An argument can be made for both techniques," said Sanders. "The Douglas-fir trees grown in these plantations are all grown for a specific product in mind."

Munro and Forestry Professors Gordon Weetman and Harry Smith have decided to get in on the action as well. They've been busy proving their own forest management techniques.

"There are no winners or losers in

this challenge," said Sanders. "It all depends on what the market is after. The management challenge has given forestry students an opportunity to view a dynamic demonstration of different marketing scenarios."

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