UBC Archives

THE UNIVERSITY OF BRITISH COLUMBIA

UBC REPORTS

Volume 39, Number 18 October 28, 1993

Life of research rewarded

Martin Dee photo

Biochemistry Prof. Michael Smith meets the world at a hastily organized news conference introducing UBC's first Nobel laureate. Smith, recipient of the 1993 Nobel Prize in chemistry, pioneered a method for reprogramming the genetic code, providing scientists with a clearer understanding of how biological systems function.

UBC scientist Michael Smith wins Nobel Prize in chemistry

by Connie Filletti

Staff writer

Until he won the Nobel Prize in chemistry earlier this month, Biochemistry Professor Michael Smith spent his life, figuratively, behind a microscope. Now he finds himself in front of one.

The media have been quick to focus on Smith's back-to-basics fashion sense, right down to his preference for Birkenstock footwear.

And even the country's national newspaper couldn't resist reporting that Smith was "stark naked" the moment he first heard the news about his achievement.

Despite the inordinate attention to his state of dress and undress, Smith accepts the media ballyhoo as part and parcel of becoming an instant celebrity. And in typical fashion, he's not far behind in poking a bit of fun at himself.

"The instruction I have from the Nobel Foundation is that I've got to wear white tie and tails for the ceremony. Then they say I can have an advance on my prize money if I want. I presume there are some people who are wanting to buy a suit of clothes and are needing the money to pay for it."

Although he may be an unlikely candidate to grace the cover of a fashion magazine, Smith, 61, was an obvious choice to receive a Nobel Prize.

The award recognizes his discovery of a technique called site-directed mutagenesis which enables scientists to reprogram the genetic code.

The method, which has hastened the development of protein engineering, is used by scientists in laboratories throughout the world in their quest to understand how cancer and virus genes work.

Applications which may result from Smith's research include a biotechnically produced hemoglobin to replace blood, new antibodies to attack cancer cells and faster-growing crop strains.

"Site-directed mutagenesis has without a doubt revolutionized basic research and entirely changed researchers' ways of performing their experiments," the Royal Swedish Academy of Sciences said in announcing the award.

> **"Site-directed mutagenesis has without a doubt revolutionized basic research and entirely changed researchers' ways of performing their experiments."**
>
> - The Royal Swedish Academy of Sciences

Smith hopes that his Nobel Prize, which he shares with American Kary Mullis, alerts government to the importance of funding basic, curiosity-driven research.

"What I did was never planned," Smith said. "If you asked me when we started in 1969 to design a specific mutagenic method, I wouldn't have known what to do. I think people have to know that."

Smith sees a tendency in government to make academic research more strategic and he says that's a mistake. He defines the trend as a misanalysis of how society best exploits the intellectual property it develops.

"I believe that what we need to do is find the very best people who are good at research, whatever it is, and let them do the best things they can, the things they are most excited about."

See ***NOBEL*** *Page 5*

Computer Science shows off new high-tech centre

by Gavin Wilson

Staff writer

When UBC bought a computer in 1957, people also called it a mechanical brain. It had 32K of memory and was big enough to fill the back of a pickup truck.

Senator Pat Carney, then a Province reporter, challenged the computer to a game of tick-tack-toe, and won.

It's a far cry from the computer wizardry on display recently at a three-day open house held to mark the 25th anniversary of the Computer Science Dept. and the opening of the Centre for Integrated Computer Systems Research and Computer Science (CICSR/CS) building.

Soccer-playing trucks, fish tank virtual reality and machines that see were among the high-tech marvels on display at the opening of the $17.5-million, four-storey building.

"This building signifies a lot to us," said CICSR Director Jim Varah. "It stands for the coming of age of computer engineering and computer science at UBC."

Computer Science Head Maria Klawe said the building represents another step towards the department's ultimate goal of becoming "one of the best computer science departments in the world."

Designed by the architectural firm Chernoff Thompson and funded by the provincial government, the building features new laboratories for study in fields such as scientific computation, robotics, remote sensing and real-time systems.

It provides space for the entire Department of Computer Science as well as for CICSR-related research in Electrical and Mechanical engineering. Its labs house interdisciplinary projects and industrial collaborations in fields such as computer imaging, animation, robotics, artificial intelligence, computer communications and educational video games.

As well as labs, the 64,000 sq. ft. building has offices, a reading room and space for seminars, graduate students and visiting researchers — all with state-of-the-art communications system capabilities.

The building's opening ceremony was

See ***COMPUTER*** *Page 2*

Remembrance Day Service

UBC's annual Remembrance Day service will be held in the foyer of the War Memorial Gymnasium on Thursday, Nov. 11 at 10:45 a.m.

President David Strangway will inspect the troops beginning at 10:15 a.m. All members of the community are invited to attend both events.

Refreshments will be served following the service.

Inside

Hello, Operator 3

Offbeat: The Nobel people get a wrong number

Campus Crusaders 18

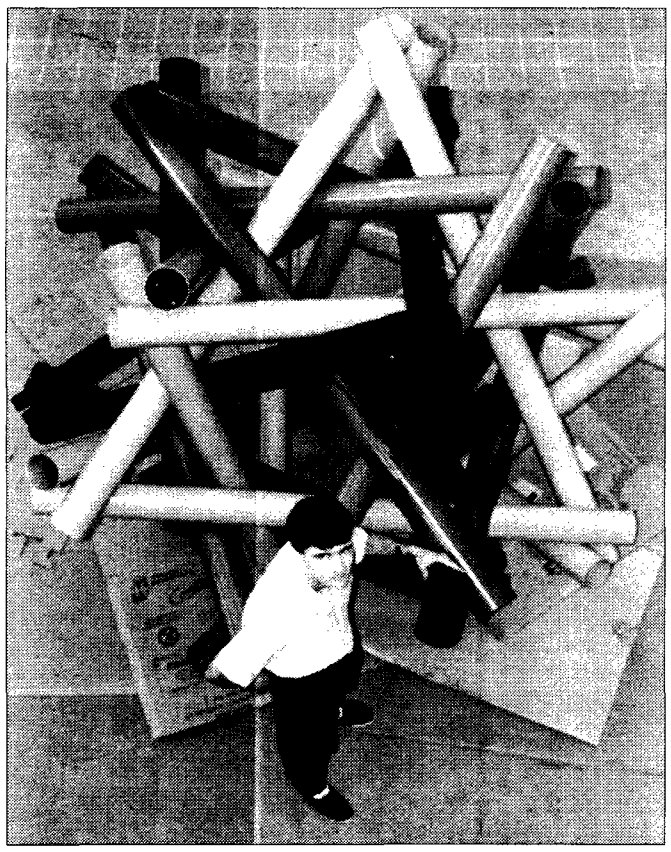
The Ubyssey marks 75 years

Copy Cats 20

The Faculty of Arts targets plagiarism

Climate Control 20

Forum: Campus women feel a chill



Theorem With A Twist

Take 30 aluminum pipes, a few bolts and a mathematical theorem and what do you get? Why, a twisted triacontahedron, of course. Jack Snoeyink, assistant prof. of Computer Science, used his computer to design and visualize the construction. The pipes are painted in five colors, corresponding to five different tetrahedron groups that fit together to make the sculpture, which illustrates a theorem about the difficulty of geometric assembly using robot arms. Fortunately for Snoeyink, he didn't have to rely on robots. Eighteen graduate students lent their arms for the final assembly. They plan to suspend the 450-pound model in the atrium of the new CICSR/Computer Science building.

Gavin Wilson photo

Martin Dee photo

Computer Science graduate student Rob Scharein demonstrates fish tank virtual reality to a goggle-wearing Chancellor Bob Lee while Dan Birch, vice-president, Academic, and Jim Varah, at right, director of the Centre for Integrated Computer Systems Research, look on. The demonstration in the Graphics and Film in Computing lab was part of the opening ceremonies for the new CICSR/Computer Science building.

Computer

Continued from Page 1

held in the BC Tel Atrium, named to recognize the telecommunications company's major contribution to UBC's World of Opportunity capital campaign.

BC Tel was represented by Roy Osing, vice-president of the company's Business Division and one of the very first graduates of UBC's Computer Science Dept.

"Our future is directly related to yours," Osing said. "I'm sure that technological advances developed here will no doubt help BC Tel and BC Tel customers down the road."

Darlene Marzari, minister of Municipal Affairs and MLA for Vancouver-Point Grey, brought greetings from Premier Mike Harcourt.

"Research in computer systems is essential for B.C. to maintain its global competitiveness in the information age," she said.

During the three-day celebration, CICSR and Computer Science faculty, staff and students hosted demonstrations and tours for schools, the public, academics and industry and government representatives.

A keynote academic lecture preceded the opening ceremony and a symposium on current research topics and issues was held on Saturday.

Congratulations to

Dr. Michael Smith

Winner of the Nobel Prize in Chemistry

From the Faculty, Staff and Students of the University of British Columbia

The University of British Columbia

ALMA MATER SOCIETY

Letters

Hats off to huts

Editor:

Destruction of campus heritage buildings is occurring at an unparalleled rate. But where are the protests, the preservation/historical societies — the uproar? Surely 50-plus years of serving the needs of faculty and students, being versatile, and accommodating the changing demands of our ever-growing center of academic excellence, warrants some accolades?

The huts have served, since at least the 1940s, as classrooms, offices, research labs, storage facilities and probably a variety of other less official needs. Why are our beloved huts being demolished (six within two days, near the Kenny Building) without some recognition and appreciation for the crucial, yes, crucial role they have played in UBC's development?

Ahhh - the memories. I propose we alumni all observe at least 60 seconds of silence to pause and reflect. Where would UBC stand on the universities national rating scale if it weren't for those unsung heroes of our heritage - the huts!

In fond farewell,

Lucille Hoover
Psychology Dept.

Correction

An article in the October 14 issue of UBC Reports incorrectly reported the number of graduate students enrolled in the School of Family and Nutritional Sciences. The correct number of graduate students is 44.

copies plus plus plus plus

COLOUR LASERS!

$1.45 1st Copy
.95 each additional copy
(8½ x 11 from same page)

UNIVERSITY VILLAGE
2nd Floor
2174 Western Parkway
Vancouver, B.C.
☎ **224-6225**
FAX 224-4492

OPEN EVERY DAY MON-FRI 8-9
SAT-SUN 10-6

Project Information Meetings

Nov. 1, 1993
12:30 - 1:30pm

STUDENT UNION BLDG (SUB)
RM 212

Topic

Student Recreation Centre

A brief slide presentation will be followed by a question and answer period.

For additional information contact: Campus Planning & Development, 822-8228 or Community Relations, 822-3131

Berkowitz & Associates

Statistics and Mathematics Consulting

· research design · data analysis
· sampling · forecasting

Jonathan Berkowitz, Ph.D
4160 Staulo Crescent, Vancouver, B.C., V6N 3S2

Office: (604) 263-1508 Home: (604) 263-5394

UBC REPORTS

UBC Reports is published twice monthly (monthly in December, June, July and August) for the entire university community by the UBC Community Relations Office, 207-6328 Memorial Rd., Vancouver B.C., V6T 1Z2.

Managing Editor: Steve Crombie
Editor: Paula Martin
Production: Stephen Forgacs
Contributors: Connie Filletti, Abe Hefter, Charles Ker, Gavin Wilson

Editorial and advertising enquiries: 822-3131 (phone) 822-2684 (fax).

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

Material may be reprinted in whole or in part with appropriate credit to UBC Reports.

UBC offers counselling services to employees

by Connie Filletti

Staff writer

UBC and its employment group representatives are sponsoring a confidential counselling, advisory and information service for university employees and their families.

Called the Employee and Family Assistance Program (EFAP), the service provides assistance for a wide range of issues including stress, depression, bereavement, substance abuse and personal relationships.

"The new benefit recognizes the valuable asset people are to UBC and its commitment to their well-being," said Libby Nason, vice-provost.

Interlock, a private, non-profit society of professionals including psychologists, social workers, addictions counsellors and family and relationship specialists, is providing the service.

EFAP services may be used during work hours or on personal time if preferred. The cost of short-term counselling sessions up to a maximum of 12 visits per family per year is covered by the program.

Anyone requiring long-term or specialized counselling will be referred to an affordable community resource by Interlock counsellors.

"Utilization of the program is completely voluntary, no one can be required to participate," Nason said.

"Information about participation and treatment will not be available to the university unless the member voluntarily provides it. The program is entirely separate and apart from any work performance or disciplinary issues."

UBC is offering the program in conjunction with the Association of Administrative and Professional Staff, Research Assistants and Technicians, the International Union of Operating Engineers Local 882 and locals 116, 2950 and 2278 of the Canadian Union of Public Employees.

For assistance, call 431-8200.

"The new benefit recognizes the valuable asset people are to UBC and its commitment to their well-being."

-Libby Nason

Abe Hefter photo

Visit From A Big 'Bird

Thunderbirds defensive back Andrew Walters joined about a dozen of his teammates for a visit to B.C.'s Children's Hospital Sept. 30. Here, Walters chats with six-year-old Joy Burslem of Coquitlam.

Offbeat

by staff writers

Winning the Nobel Prize in chemistry was a complete surprise for Michael Smith, and not just because he thinks there are other deserving scientists.

Like most people, Smith heard the announcement on an early morning radio newscast.

As Smith later discovered, the Swedish ambassador had tried to notify him, but had mistakenly called another Michael Smith, who, coincidentally, lives on the same street.

Rather than being annoyed by the miscue, Smith demonstrated the considerate nature he's famous for.

"I called (the other Smith's) wife the other day to apologize for the inconvenience. She said she quite enjoyed it."

Within minutes of learning of his award, Smith's home phone started ringing, beginning a relentless barrage of calls.

UBC's Media Relations office received 150 calls that day, and Smith's own office was inundated, not just with calls from reporters and well-wishers from all over the world, but with hordes of television cameras and reporters who staked out his office.

Calls continued to pour in all day, even after a hastily arranged news conference. Radio Caracol in Bogota, Columbia, the BBC World Service, the Associated Press, New Scientist magazine, and the CBC's Peter Gzowski all wanted to talk to him.

Smith said the strangest request came from an individual who wanted him to record a song with someone who was promoting a cause.

"Anybody who knows me will tell you that I can't sing two notes, so I regretfully declined," he said.

• • • •

In Toronto last week, Smith visited the radio news announcers who had informed him of his prize that fateful morning — Judy Maddren and Russ Germain. They presented him with a cassette of the newscast.

• • • •

UBC has a Nobel laureate, so how about a poet laureate? Smith's accomplishment inspired this bit of verse by University Professor Peter Larkin.

He says he has a low I.Q.
But I suspect that isn't true,
Perhaps the case is just that he,
Is not the same as you and me.

He doesn't have the kind of genes,
Of presidents, or heads or deans,
His are those that live in sleuths,
Who go about unearthing truths.

So starting soon, why not today,
Let's take apart his D.N.A.,
Let's find the locus of the gene,
That makes his science lean and mean.

If perchance we find the locus,
For his science hocus-pocus,
We can clone all shapes and sizes,
And win lots of Nobel Prizes.

The poem was read by Science Council of B.C. President Ron Woodward to 550 guests, including Smith, at the recent B.C. Science and Engineering Awards dinner.

Survey: climate chilly for female faculty

by Connie Filletti

Staff writer

One-half of female faculty who responded to a survey designed to assess the climate for faculty women on campus feel that they work in a non-supportive professional and social atmosphere.

"Only 23.8 per cent of the respondents agreed that the climate for women at UBC is supportive, while 50.8 per cent disagreed," said Florence Ledwitz-Rigby, advisor to the president on women and gender relations.

She recently surveyed all 344 tenure track female faculty who had been employed at UBC at least one year.

Fifty-eight per cent responded to the multiple choice, open-ended questionnaire which covered seven subject areas including working conditions, lifestyle issues and attitudes towards women.

Salary and promotion received the most negative responses when respondents were asked if women in their academic units were evaluated fairly in relation to men. The majority agreed that recruitment was managed justly and more than half felt welcomed and accepted as a faculty member.

"In addition to academic issues, sexist behaviours and sexual harassment also had an impact on whether women felt that they were accepted and treated properly," Ledwitz-Rigby said.

Almost 40 per cent of the respondents said that they were often the target of two or more of the 14 inappropriate behaviours listed in the questionnaire, ranging from the devaluation of scholarship about women to persistent emphasis on sexuality. Only 5.1 per cent of the respondents indicated that they never experienced any of the behaviours.

The behaviour most frequently cited as experienced often was sexist language, humour or comments. Inappropriate or unwanted comments on personal appearance or flattery was experienced by 53.2 per cent of the respondents either a few times or often.

Florence Ledwitz-Rigby discusses the survey findings, Page 20

"Although faculty women commonly experience sexist behaviours, fewer have been targets of the most overt aspects of sexual harassment," Ledwitz-Rigby said.

"Approximately 80 per cent of the respondents reported that they had never been the target of seductive remarks, including attempts to establish a sexual relationship despite discouragement."

Ledwitz-Rigby added that 65 per cent of the women taking part in the survey indicated that they experienced attempts by undergraduate students to intimidate them, more frequently from male than female students.

"This survey reminds us all that many women experience this campus quite differently from men," said Dan Birch, vice-president, Academic and provost.

"No matter how much has been achieved, there is much more to be done to provide a nurturing environment for work and study," he said.

Ledwitz-Rigby said that university-wide education is needed about the nature of chilly climate behaviours and their impact on the individuals who are the targets.

News Digest

Premier Mike Harcourt has named Forestry Prof. Fred Bunnell as chair of the Scientific Panel for Sustainable Forest Practices in Clayoquot Sound.

The panel will build on the forest practices set for the area last June by the provincial government.

"The creation of this independent panel is another major step toward providing a sustainable future for Clayoquot, and ensuring that forestry activities in the sound stand up to world scrutiny," Harcourt said.

The 19-member panel, which will consist of scientists from B.C. and Washington State with expertise in biodiversity, fisheries, wildlife, forest harvest planning and scenic resources, will provide progress reports on Jan. 31 and March 31 of next year.

The panel's final recommendations on new forest practices for Clayoquot are due on June 30, 1994.

Bunnell, a professor of Forest Wildlife Ecology and Management and director of UBC's Centre for Applied Conservation Biology, will be joined on the panel by UBC Geography Prof. Mike Church.

• • • •

Kaleidoscope, the latest publication from The Brock House Writers, is out.

Written by a group of seniors from the seniors recreation centre on Point Grey Road, this third anthology of stories, articles, memoirs and anecdotes will be officially launched at Brock House on Nov. 12.

The 127-pages of "life writing" was edited by Prof. Syd Butler from the Dept. of Language Education. Butler has been involved with the group on a voluntary basis since he gave his first guest lecture on writing in 1984.

• • • •

UBC was one of seven universities to participate in an international varsity debate held recently in Hong Kong.

Speaking in Mandarin, competitors debated whether the benefits of the proliferation of satellite TV outweigh the costs.

UBC was represented by students Tess Chang, Vivian Cheng, Sophia Huang and Diane Lin, three of whom are not native speakers of Mandarin. They were coached by Robert Chen, a language instructor in the Dept. of Asian Studies.

The debate was sponsored and televised by the Singapore Broadcasting Corporation. The winning team came from the University of Singapore. Other teams included those from Malaysia, Hong Kong, Taiwan, China, England, and Austrailia.

• • • •

UBC is the recipient of a 1993 Air Quality Award honourable mention.

The award is given by the Greater Vancouver Regional District for significantly contributing to finding long-term solutions for improving air quality and traffic congestion in B.C. through employee trip reduction programs.

In 1991, the university embarked on a program of reducing single occupant vehicles on campus in an effort to improve air quality, reduce rush hour lineups and ease the strain on campus parking facilities.

As a first step, UBC formed a transportation committee consisting of representatives from all sectors of the campus community to explore ideas and co-ordinate activities, with an overall objective of reducing vehicle trips.

Initiatives have included portable parking permits which offer staff members car pooling convenience; a student commuting matching program organized by the Alma Mater Society; improved bicycle facilities; and the Jack Bell Foundation's van pool program which is quickly gaining momentum on campus.

In addition, the transportation committee has obtained the support of B.C. Transit with the implementation of improved bus services on several routes.

John Chong photo

Rick Spratley, director of Research Services, and Marcia Boyd, dean of Dentistry, serve up some fixins' at the IRC-Health Sciences United Way pancake breakfast, held Oct. 13.

United Way hits half-way mark

by Abe Hefter

Staff writer

UBC's United Way campus campaign is more than half-way to its $300,000 goal.

So far the campaign has received more than 1,000 pledges totalling almost $180,000.

"The response on behalf of UBC students and staff has been tremendous," said campaign co-chair Doug Napier.

"As this is a one mailout campaign, which was implemented this year to cut down on the paper flow, it's important for those who plan to make a donation to return their pledge cards to Financial Services at their earliest convenience," he added.

Napier said events such as the pancake breakfast, the CUPE 2950 bake sale, the Plant Operations Oktoberfest, and the car wash in front of the Old Administration Building have helped generate interest in the United Way cause.

"We thank all those who have donated their time and effort to make the campaign events a huge success," said Napier.

The winner of the CUPE 2950 bake sale draw was student Wendy Letoria, who won a trip for two to Victoria's Harbour Towers, with transportation provided by B.C. Ferries.

B.C. Rail will wisk Karen MacLeod from the Centre for Human Settlements to Whistler. She had her name picked in the early-bird draw for a trip for two to the Listel Whistler Hotel.

The grand prize, a trip for two to anywhere in the world Canadian Airlines flies, will be drawn Nov. 5.

"Thank you again on behalf of the United Way and get those pledge cards in," said Napier.

Bursary offered to help single parents

A non-repayable bursary of up to $6,000 per year is available to a UBC student whose responsibility as a single parent to provide child care impedes their ability to begin or continue studies at UBC.

Past recipients of the bursary are given preference in subsequent years assuming they meet eligibility criteria.

Application forms are available from the ACCESS Foundation, P.O. Box 48448, Bentall Post Office, Vancouver, B.C. V7X 1A2, or from UBC's Awards and Financial Aid Office, Room 1036 Brock Hall, 1874 East Mall.

Completed application forms must be received by the ACCESS Foundation at the above address by October 31, 1993.

UBC

UBC Multicultural Liaison Office

Working in a Multicultural Classroom: Workshop for Canadian & International TAs

November 8, 6 -9pm, Patio Room, Graduate Student Centre

Explore ways to working effectively and respectfully in multicultural academic situations. Call 822-9583 to register.

Co-sponsored by the Centre for Faculty Development and Instructional Services

THE UNIVERSITY OF BRITISH COLUMBIA

The Cecil and Ida Green Visiting Professor

WALLACE S. BROECKER

Newberry Professor of Geology
Lamont-Doherty Earth Observatory
Columbia University, New York

Heinrich Events: Fresh Water Pulses from Glaciers Melting into the North Atlantic triggering Global Change
Tuesday, November 2 at 3:30 PM (Oceanography Seminar)
Biological Sciences Building, Room 1465
N.B. BUILDING AND ROOM # CHANGED FROM EARLY ADVERTISING
Scarfe Building, Room 100

Ice Age Earth: World Climate and Oceans during the last Ice Age
Thursday, November 4 at 12:30-2:30 PM
Scarfe Building, Room 100

Is Fossil Fuel Greening the Earth?
The Vancouver Institute
Saturday, November 6 at 8:15 PM
Woodward Instructional Resources Centre, Hall 2

ALL LECTURES ARE FREE

Prize offers chance to promote sciences

Continued from Page 1

Smith advocates a system that carefully monitors scientific research activity, looking for potentially useful technologies, but without setting the research agenda.

"Let the scientists do the foraging and you come along and pick up the kernels that they turn up. I think that's a much more effective way of exploiting our intellectual capabilities in this country."

Smith laments that becoming a Nobel laureate will likely put his own research endeavours on hold for the next year.

But he does welcome the opportunity, now that he has been vaulted into public life, to communicate about science with a variety of people, including the general public.

"I hope to provide inspiration to young Canadians. We have the resources and the opportunity to do things that are world class. I hope that would encourage people not to be intimidated or have an inferiority complex."

Smith's reputation as head of the Biotechnology Laboratory and scientific director of the Protein Engineering Network Centre of Excellence based at UBC has already attracted a pool of talented young scientists to campus.

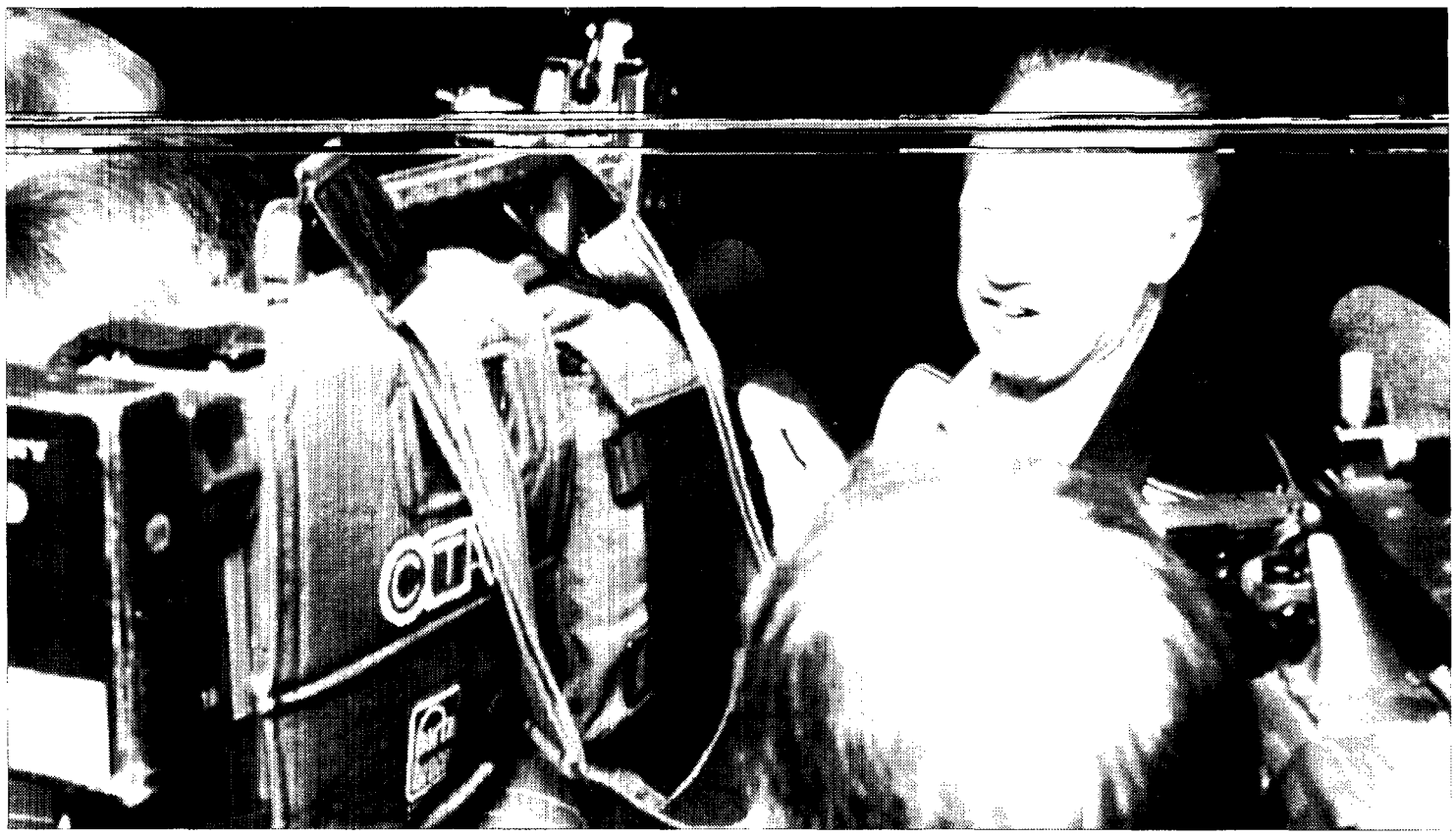
"All of Michael's colleagues at UBC are proud of his accomplishments and recognition," said UBC President David Strangway. "It is a privilege to be able to bask in the reflected glory. Michael is a role model for the coming generation of students in Canada. He has shown them that it is possible to aspire to the highest peaks of excellence and this aspiration can be realized right here at UBC and in Canada."

Smith has never forgotten the help he received during his own academic pursuits. The son of working-class parents, his education was funded by scholarships.

His first bursary enabled him to go to a private secondary school in Blackpool, Smith's birthplace, when he was 11 years old.

"I remember being bitterly unhappy about going because I grew up in a small village and because doctors' sons and lawyers' sons went there and people said they were snobs. I remember crying but my mother said I had to go.

"I was lucky there because they had a very good chemistry master. Sidney Law turned me on to chemistry. That got it going."



Martin Dee photo

Michael Smith: "I hope to provide inspiration to young Canadians. We have the resources and the opportunity to do things that are world class."

The memories make Smith thoughtful.

"The one downside of this whole thing..." He pauses. "If I were getting a Nobel Prize, I would have liked a few people to still be alive. My mother and father. Gordon Shrum. He offered me a job here as a postdoctoral fellow. And my chemistry master. I wish they could have enjoyed my pleasure."

After high school Smith won another scholarship, this time to the University of Manchester where he did his undergraduate and graduate training.

Receiving his BSc in 1953 was another tearful experience, this time for a different reason.

"I guess I blew some exams for my undergraduate degree in science and I only got second class standing. I was so upset. I think I was in tears and went to see the head of the department to ask him what was going to become of me.

"He said to carry on and go to graduate school and things will turn out all right."

He took the department head's advice and enrolled in graduate school where he recalls having a less than ideal relationship with his PhD supervisor.

"My supervisor and I didn't get along too well. I remember at Christmas, just before I was going to finish my PhD, him calling me in for an interview and telling me that he didn't think I was doing too well and would probably have to leave without a PhD. I didn't cry about that. I was just annoyed."

Offering these personal glimpses into his life reflect Smith's kindness, compassion and warmth, traits which combined with his intellect, have earned him the respect and goodwill of friends and colleagues from all walks of life in every corner of the world. But he has another compelling reason for sharing the intimacies.

"If young people realize that life has its ups and downs -- but if they keep going and they have a reasonable objective -- things can work out.

"I had this feeling when I was their age that if I identified something I could do and worked hard at it I would be able to achieve it. I don't think that's quite the same now.

"I think there's more of a challenge for younger people. But you have two choices in life — you can try and do your best or you can not bother. It seems to me that no matter how bad a situation is you are going to be better off if you try to do the best you can in whatever area you have talent or interest or enthusiasm."

Winning the Nobel Prize may have changed his life, but it is his induction in 1986 as a Fellow of the Royal Society, London, that remains the most stirring experience in his life.

"I had to sign a book, a 300-year-old book. When I saw the other names in it — Newton, Huxley, Darwin — well, it was the most moving thing."

As his old department head at the University of Manchester predicted exactly 40 years ago, things did turn out all right for Michael Smith after all.

John Chong photo

Nobel Visitor

University Prof. Emeritus Charles McDowell, left, shares a private moment with Swiss scientist Richard Ernst, 1991 recipient of the Nobel Prize in chemistry, who recently visited campus to deliver the annual McDowell Lecture. McDowell, who was head of the Chemistry Dept. for 28 years before his retirement, continues to operate a productive research lab.

Enzyme abnormality may cause Lou Gehrig's disease: study

by Connie Filletti

Staff writer

The onset of amyotrophic lateral sclerosis (ALS) may occur much earlier than current medical research suggests, says a team of UBC neuroscientists.

ALS, commonly known as Lou Gehrig's disease, is a neurological syndrome marked by neural degeneration, muscular weakness, atrophy and spasticity.

The ALS Society of Canada estimates that six to seven people in every 10,000 Canadians are newly diagnosed with the disease each year.

A recent study by Dr. Christopher Shaw, Dr. Charles Krieger, medical student Ruth Lanius and research associate Venska Wagey indicates that an abnormality of a regulatory enzyme may be responsible for inducing an alteration of specific receptors in the spinal cord.

Receptors assist in communication between cells and control how cells respond. A particular subtype, called NMDA receptors, decrease rapidly in the disease, Shaw explained.

"We can't grow the nerve cells back once ALS has progressed to this point. However, we have been able to reverse the depletion of the receptors by treating them with an enzyme activator."

Shaw added that once the specific enzyme is found and isolated, an antibody could be developed for it almost immediately. He hopes to identify the enzyme within the next year.

"This would allow for medical intervention at a much earlier stage of the disease and possibly provide a way to screen chemically before the nerve cells die," he said.

Shaw also hopes that it will be possible to flag ALS in people with a family history of the disease, and produce a drug therapy to contain it.

Krieger said that it would be "very optimistic" to talk in terms of a cure for ALS at this point.

"We're excited by the progress we've made to date, but there is a need for more tissue and further tests in order to find the enzyme."

During the six-month study, funded by the B.C. Health Research Foundation, Krieger and Shaw compared spinal cord tissue taken from 10 patients, including people with ALS and individuals who were disease-free.

Krieger stressed the need for more spinal cord tissue, citing the limited amount available for the research team to continue its studies.

Calendar

October 31 through November 13

Monday, Nov. 1

Plant Science Seminar
The Interior Fruit Industry Of BC: Current State/Future Prospects. Henry Markgraf, BC Fruit Packers Co-op. MacMillan 318D at 12:30pm. Refreshments. Call 822-9646.

Mechanical Engineering Seminar
Fluid Film Lubrication. Dr. Keith Brockwell, National Research Council. Civil/Mechanical Engineering 1202 from 3:30-4:30pm. Refreshments. Call 822-6671.

Biochemistry/Molecular Biology Seminar
Role Of The Histone Tails In The Modulation Of Chromatin Dynamics. Dr. Juan Ausio, Biochemistry/Microbiology, U. of Victoria. IRC #4 at 3:45pm. Refreshments at 3:30pm. Call 822-5925.

Astronomy Seminar
ZEBRA Earns Its Stripes: ZEeman BRoadening Analysis Of Magnetic White Dwarfs. Jaymie Matthews, Geophysics/ Astronomy 260 at 4pm. Coffee from 3:30pm. Call 822-2696/2267.

Tuesday, Nov. 2

Botany Seminar
Molecular Phylogenies In The Legume Family And Their Uses In Testing Evolutionary Hypotheses. Dr. Jeffrey J. Doyle, Bailey Hortorium, Cornell U. BioSciences 2000 from 12:30-1:30pm. Call 822-2133.

Pharmaceutical Sciences Seminar
Crystallinity Changes And Phase Transitions Of Pharmaceutical Solids With Processing. Marion Wong, Mallinckrodt Specialty Chemicals Co., St. Louis, MO. IRC #3 from 12:30-1:30pm. Call 822-4645.

Lectures In Modern Chemistry
Silicon-Carbon Double Bonds. Photochemical Methods in the Study of the Chemistry of Reactive Silenes. Dr. William Leigh, Chemistry, McMaster U. Chemistry 250 south wing at 1pm. Refreshments at 12:40pm. Call 822-3266.

Oceanography Seminar
Heinrich Events: Fresh Water Pulses from Glaciers melting into the North Atlantic triggering Global Change. W. Broecker, Lamont-Doherty Earth Observatory, Columbia U., NY. Scarfe 100 at 3:30pm. Call 822-3626.

Pharmaceutical Sciences Seminar
Should Anyone Receive Antiarrhythmic Drugs? Margaret Ackman, Pharm. D. student, Pharmaceutical Sciences. Family/Nutritional Sciences 30 from 4-5pm. Call 822-4645.

Statistics Seminar
Engle And Granger Tests: The Correct Approach For Cointegrated Non-Linear Time Series? Catherine Minett-Smith. Angus 413 from 4-5:30pm. Refreshments. Call 822-2234.

Centre For Applied Ethics Colloquium
The Moral Dimensions Of Organizational Life. Fred Bird, Religion, Concordia U. Angus 225 from 4-6pm. Call 822-5139.

International Teaching Assistant Program
Sponsored by UBC Continuing Studies (MLO). Section I runs to Nov. 30. Old Auditorium Annex 221, consecutive Tuesdays from 6-9pm . Call 822-9583.

School of Rehabilitation Sciences
Information Night. The Schools's BSc. Programs in Occupational/Physical Therapy open to faculty, admissions personnel, students. Get the most current information on criteria for admission to the School's program. IRC #2 from 7-9pm. Call 822-7392.

Faculty Women's Club General Meeting
Virgins, Wives Or Widows: The Role Of Women In Medieval Law And Culture. J. De Lloyd Guth, visiting assoc. prof., Law. Cecil Green Park at 7:30pm. Coffee and dessert party. Husbands and guests welcome. Call 535-7995.

Movie Documentary
Because Of That War. Jewish Students Assoc./Hillel House presentation. SUB Theatre at 7:30pm. Tickets $5. Call 224-4748.

President's Lecture Series In Lesbian/Gay Studies
Together And Apart: Inside Collaborative Writing. Daphne Marlatt/Betsy Warland. Angus 110 at 7:30pm. Call L. Weir at 822-2942.

Wednesday. Nov. 3

Orthopaedics Grand Rounds
Foot And Ankle Service. Dr. Richard Claridge. Eye Care Centre Auditorium at 7am. Call 875-4272.

Wednesday Noon Hour Series
Camille Churchfield, flute; Beth Orson, english horn; Miranda Wong, piano. Music Recital Hall at 12:30pm. Admission $2. Call 822-5574.

Microbiology Seminar
The SH2 Domain Containing Protein Tyrosine Phosphatases. Dr. Frank Jirik, UBC Biomed Research Centre. Wesbrook 201 from 12:30-1:30pm. Call 822-3308.

French Lectures
Mythe Et Histoire Dans Salammbo De Flaubert. Suzette Bahar, French Dept. Buchanan Tower 799 at 2pm. Call 822-4025.

Faculty Development/ Instructional Services Workshop
The Multicultural Classroom: Part 2. Recognize and develop intercultural communication skills in multicultural academic settings. Facilitators: Keith Hoy/Mackie Chase, Intercultural Training/Resource Centre; Katherine Beaumont, Multicultural Liaison Office. Social Work 324 from 3-5pm. Call 822-9164.

Applied Mathematics Colloquium
An Analysis Of Morphogenetic Stability Of Liposomes Based On The Principle Of Minimum Bending Energy. Dr. Toshio Sekimura, College of Engineering, Chubu U., Kasugai, Japan. Mathematics 203 at 3:30pm. Call 822-4584.

Geography Colloquium
Studies Of Ozone Pollution In The Lower Fraser Valley. Douw Steyn, Geography. Geography 201 from 3:30-5:00pm. Refreshments at 3:25pm. Call 822-5612.

Geophysics Seminar
Seismic Imaging Of The East Pacific Rise: Method And Results. Doug Toomey, U. of Oregon. Geophysics/Astronomy 260 at 4pm. Coffee at 3:45pm. Call 822-3466.

Thursday, Nov. 4

Academic Lecture Series 93/ 94
Neurobiology Of Violence. Dr. Pierre Flor-Henry, Psychiatry, Alberta Hospital Edmonton. Detwiller Pavilion, University Hospital from 9-10am. Call 822-7314.

Travel Seminar Series
Three Seasons In The Wind. Six Weeks By Canoe Down Northern Canada's Thelon River. Kathleen, Computer Science. Michael Pitt, Plant Science. MacMillan 158 at 12:30pm. Call 822-9646.

Academic Women's Association
Informal brown bag lunch. Topics of mutual interest to all. Family/Nutritional Sciences 40 from 12:30-2pm. Call 822-3830.

Arts One Lecture
Clayoquot Sound: The Ecology Of A Conflict. Brent Ingram, Faculty of Forestry. Arts One Blue Room, 6358 Univ. Blvd. at 1pm. Call 822-8619.

Physics Colloquium
Magnetic Moments In Metals: Are The Electrons Really Heavy? W. Buyers, Physics, UBC and AECL, Chalk River. Hennings 201 at 4pm. Call 822-3853.

Friday, Nov. 5

Centre For Research In Women's Studies Workshop
Resisting Inequity In The Classroom. Kathryn McCannell, School of Social Work. Room# TBA from 9am-4pm. Registration req'd. Call 822-9171.

Paediatrics Grand Rounds
Starting A New Epoch: Ending The Physical Punishment Of Children. Dr. Marie Hay, Prince George Regional Hospital. G.F. Strong Auditorium at 9am. Call 875-2118.

Health Care/Epidemiology Grand Rounds
Part I: The BC Heart Health Demonstration Project. An Update From The Community Prospective. Dr. Brian O'Connor, Medical Health Officer, North Shore Health Unit. James Mather 253 from 9-10am. Public welcome. Call 822-2772.

Obstetrics/Gynaecology Grand Rounds
Cancelled due to the D.A. Boyes Oncology Conference.

Physiology Symposium
Mandatory Retirement: Is It Fair? Speakers to include William Webber, Assoc.VP,Academic; Prof. Martin Meissner. Curtis 101 at 12:30pm. Free refreshments. Public welcome. Call 822-5684.

World University Services Of Canada Speaker Series
Broadening Perspectives: A Student's Year Abroad In Japan. Trevor Morrison. Buchanan A205 from 12:30-1:30pm. Call 822-2485.

Law Seminar
The Construction Of Health Cure And The Ideology Of The Private. Professor Hester Lessard, Law, U. of Victoria. Cutis Conference Room from 12:30-2pm. Call 822-6506.

Chemical Engineering Weekly Seminar
Multiple Roles Of Promoted Molybdenum On Gamma-Alumina Catalysts And Variable Rates Of Catalytic Site Deactivation During Hydrocracking: Hydrogenation And Hydrogen Atom Transfer. Dr. Emerson C. Sanford, Syncrude Canada Ltd., Edmonton Research Centre. Chem/Engineering 206 at 3:30pm. Call 822-3238.

Faculty Association Meeting
Ad Hoc Committee on Lesbian and Gay Issues. Scarfe 2415 at 4pm. Anyone wishing to be on the Executive, call M. Bryson, 822-5284 or Doug Sanders at 822-2335.

Theoretical Chemistry Seminars
Kinetic Theory Of Sheath Regions In Gas Discharges. K. Leung, Chemistry. Chemistry 402 south wing at 4pm. Call 822-3997.

Saturday, Nov. 6

Vancouver Institute Lecture
Is Fossil Fuel CO2 Greening The Earth? The Cecil & Ida Green Visiting Professor, Dr. Wallace S. Broecker, Lamont-Doherty Earth Observatory, Columbia U. IRC #2 at 8:15pm. Call 822-5675.

Sunday, Nov. 7

Music Concert
The University Singers, James Fankhauser, director. Music Recital Hall at 2:30pm. Call 822-3113.

Museum Of Anthropology Concert
Rebel Voices, The Seattle Duo. MOA Great Hall from 2:30-3:15pm. Free with Museum admission. Call 822-5087.

Monday, Nov. 8

Plant Science Seminar
DNA Fingerprinting And Genome Analysis In Plants. Dr. John Carlson, Biotech Lab. MacMillan 318D at 12:30pm. Refreshments. Call 822-9646.

TAG Seminar For Faculty
Not Just Another Overhead. Denise Sketches, Biomedical Communications. Angus 109 from 3-5pm. Registration req'd. No fee. Call 822-9149.

Hillel House Lectures/ Displays
Holocaust Awareness Days 1993 will focus on how racism/intolerance continue to reverberate 50 years after the Holocaust. Continues through Nov. 10. Hillel House. Call 224-4748.

Faculty Development Workshop
Working In A Multicultural Classroom. A workshop for Canadian and International T.A.'s. Katherine Beaumont, MLO; Catherine Pikios, Open Learning Agency. Grad Student Centre Patio Room from 6-9pm. Call 822-9583.

Applied Mathematics Colloquium
Pattern Formation In Generalised Turing Systems: The Role Of Boundary Conditions/Environmental Inhomogeneities. Dr. Philip Maini, Math Dept., U. of Oxford, UK. Mathematics 203 at 3:30pm. Call 822-4584.

Mechanical Engineering Seminar
Multi Agent Manipulator Control. Simon Monkton, PhD student. Civil/Mechanical Engineering 1202 from 3:30-4:30pm. Refreshments. Call 822-6671.

Biochemistry/Molecular Biology Seminar
Crystallography And The Rational Design Of Whooping Cough Vacinnes. Dr. Randy Read, Dept. of Medical Micro/Infectious Diseases, U. of Alberta. IRC #4 at 3:45pm. Refreshments at 3:30pm. Call 822-5925.

Tuesday, Nov. 9

Continuing Studies In Economics
An Introduction Course To Economics And Financial Strategies. Mr. Les Herbert, BC Tel Leadership Education. Communications Building 134, 1795 Willingdon Ave., Burnaby from 8am-4pm. Fee $150. Registration and information, call 822-3347.

Centre For Research In Women's Studies Lecture Series
Women And The Tax System: A Study In Systemic Discrimination. Claire Young, Law. Buchanan B212 at 12:30pm. Call 822-9171.

Pharmaceutical Sciences Seminar
CPS Dosing Is Not For Your Patient Dr. James McCormack, Div. of Clinical Pharmacy. IRC #3 from 12:30-1:30pm. Call 822-4645.

Botany Seminar
Lamarck: Evil Genius Or Visionary? Jack Maze, Botany. BioSciences 2000 from 12:30-1:30pm. Call 822-2133.

Lectures In Modern Chemistry
1993/94 Merck Frosst Lec-

UBC REPORTS

CALENDAR DEADLINES

Calendar items must be submitted on forms available from the UBC Community Relations Office, 207-6328 Memorial Road, Vancouver, B.C. V6T 1Z2. Phone: 822-3131. Fax: 822-2684. Please limit to 35 words. Submissions for the Calendar's Notices section may be limited due to space. Deadline for the November 11 issue of UBC Reports — which covers the period November 14 to November 27 — is noon, November 2.

Calendar

October 31 through November 13

ture. Femtochemistry. Dr. Ahmed Zewail, Chemistry, Caltech, Pasadena. Chem 250 south wing at 1pm. Refreshments at 12:40pm. Call 822-3266.

Statistics Seminar
Some Inequalities For U-Statistics With Application To Density Examination. Ian McKay, Statistics. Henry Angus 413 from 4-5:30pm. Refreshments. Call 822-2234.

Museum of Anthropology Talk
Tony Hillerman, acclaimed mystery writer. MOA Great Hall from 7-9pm. Free to the public. Call 822-5087.

Wednesday, Nov. 10

Orthopaedics Grand Rounds
Vascular Tumors. Combined Orthopaedic/Pathology Sarcoma Rounds. Dr. Christopher Beauchamp, chairman; Dr. John O'Connell, speaker, Pathology. Eye Care Centre Auditorium at 7am. Call 875-4646.

Bookstore Famous Authors
Lee Maracle, one of Canada's pre-eminent First Nations writers, will be reading and signing her most recent novels, Ravensong and Sundogs. UBC Bookstore at 12:30pm. Call 822-2665/4799.

Wednesday Noon Hour Series
Julia Nolan, saxophone; Salvador Ferreras, percussion. Music Recital Hall at 12:30pm. Admission $2. Call 822-5574.

Oceanography/Zoology Seminar
The Biology Of Cadborosaurus. E. L. Bousfield, Royal BC Museum, Victoria. BioSciences 2000 from 12:30-1:30pm. Call 822-2496.

Microbiology Seminar
Molecular Mechanisms Of Bacterial Survival. Dr. Abdul Matin, Dept. of Bacteriology, Stanford U., Palo Alto. Wesbrook 201 from 12:30-1:30pm. Call 822-3308.

Centre For Japanese Research Seminar
The Search For Paradise: Japanese Property Investors Overseas. David W. Edgington, Geography. Asian Centre 604 from 12:30-1:45pm. Call 822-5612.

Geography Colloquium Series
Citizens In The Private Sphere: The City Politic Of Buddying At AIDS Vancouver. Michael Brown, Geography. Geography 201 from 3:30-5pm. Refreshments at 3:25pm. Call 822-5612.

Theatre/Film Production
The Doctor's Dilemma by Bernard Shaw runs to November 20 inclusive. Frederic Wood Theatre at 8pm. Reservations/ ticket information call 822-2678/3880.

Thursday, Nov. 11

UBC Annual Remembrance Day Ceremony
President David Strangway will conduct an inspection of the troops beginning at 10:15am, followed by a service at 10:45am. Refreshments will be served following the service and all members of the community are invited to attend both events. Call 822-2484.

Friday, Nov. 12

Obstetrics/Gynaecology Grand Rounds
Perinatal Loss: A Challenge For The Physicians. Dr. D. Farquharson And Grace Hospital Perinatal Loss Team. University Hospital Shaughnessy Site D308 at 8am. Call 875-3266.

Health Care/Epidemiology Grand Rounds
Part II: The BC Heart Health Demonstration Project. An Evaluation Of Community Mobilization For Heart Disease Prevention. To include Dr. Lawrence Green, director, The Institute of Health Promotion/Research. James Mather 253 from 9-10am. Everyone welcome. Call 822-2772.

Occupational Hygiene Program Seminar
Effectiveness Of Safety Committees And Safety Training: Experiences From BC Forest Product Mills. Dr. Stephen Havlovic, Business Admin., SFU. Chem/Mechanical Building 1202 from 12:30-1:30pm. Free. Call 822-9595.

World University Services Of Canada Speaker Series
Indonesia. Alan Dilworth. Buchanan A205 from 12:30-1:30pm. Call 822-2485.

Law Seminar
The Hitchiker's Guide To Expert Systems In Law. Professor Lilian Edwards, Law, U. of Edinburgh, UK. Curtis Conference Room from 12:30-2pm. Call 822-6506.

Chemical/Engineering Weekly Seminar
Animal Cell Cultural Bioprocessing. Dr. Amine Kamen, Biotech. Research Inst., Montreal. ChemEngineering 206 at 3:30pm. Call 822-3238.

Theoretical Chemistry Sem.
Asymptotic Behaviour Of Discrete Velocity Models Of The Boltzmann Equation In An Interval With Stochastic Boundary Conditions. R. R. Illner, U. of Victoria. Chemistry 402 central wing at 4pm. Call 822-3997.

President's Lecture Series In Lesbian/Gay Studies
Lesbian Bodies And Lesbian Con/Texts. Susan Stewart, Kiss and Tell Collective; Monique Wittig, U. of Arizona. Hebb Theatre from 7-9pm. Free admission. Call 822-5358.

Saturday, Nov. 13

Vancouver Institute Lecture
Genes 'R Us: The Link Between Our Past And Future. Dr. Michael Hayden, Medical Genetics. IRC #2 at 8:15pm. Call 822-5311.

Notices

Student Housing
The off-campus housing listing service offered by the UBC Housing Office has been discontinued. A new service offered by the AMS has been established to provide a housing listing service for both students and landlords. This new service utilizes a computer voice messaging system. Students call 822-9844, landlords call 822-9847.

Campus Tours
School and College Liaison tours provide prospective UBC students with an overview of campus activities/ faculties/services. Every Friday at 9:30am. Reservations required one week in advance. Call 822-4319.

Disability Resource Centre
The Centre provides consultation and information for faculty members with students with disabilities. Guidebooks/services for student and faculty available. Call 822-5844.

UBC Bookstore
Open Mon/Tue/Thur. and Fri. 8:30am-5pm; Wed., 8:30am-8:30pm; Sat., 9:30am-5pm. Call 822-2665/4749.

English Language Institute
Professional development for language teachers. Continuing classes through November. Call 222-5208 to register or receive a brochure.

Sixth Annual Health Policy Conference
At the University Golf Club from 8:30-4pm Friday, Nov. 26. Fee $90, students $60. Call 822-4969.

Free Hearing Assessments
Now through December 17. Open to all UBC students/staff/faculty. Sponsored by the UBC Hearing Access Project. By appointment. Call 822-5798.

UBC Student Health Outreach
Shopping tours are planned to help you get the best buy for your dollars; decipher food labels; choose nutritious and tasty food. Tours held at Safeway on West 10th, Nov. 3rd at 7pm/Nov 4th at 2pm. To register call 822-4044.

Women Students' Office
Advocacy/personal counselling services available. Call 822-2415.

Fine Arts Gallery
Tues.-Fri. from 10am-5pm. Saturdays 12-5pm. Free admission. Main Library. Call 822-2759.

Male Experience Research Project
Are contemporary ideas about men's lives truths or stereotypes? Counselling psychology student is looking for volunteers to take part in this study. If you're straight, white, 25-35, and interested in sharing your story, call Lawrence at 822-5259.

Clinical Trials in Dermatology
Athlete's Foot Study requires volunteers aged 18-65 yrs. Must be able to attend 6 visits over 6 weeks. Lab tests required.

Study on Acne Gels
Aged over 16 yrs. with bad acne and not currently under a physician's care. 5 visits over 2-month period.

Psoriasis Studies
Aged over 18 yrs. and not currently under a physician's care. 5-10 visits over a 2-month period. Division of Dermatology, VGH, 855 West 10th Ave. Call 875-5296.

Sexual Harassment Office
Advisors are available to discuss questions or concerns and are prepared to help any member of the UBC community who is being sexually harassed find a satisfactory resolution. Call Margaretha Hoek at 822-6353.

Psychology Study
Looking for female heterosexual volunteers who are experiencing sexual difficulties to participate in confidential research on physiological sexual arousal. Honorarium. Mon-Thu 4-6pm. Call 822-2998.

Drug Inter-Action Study
Volunteers at least 18 years required for participation in Pharmacology/Therapeutics Study. Eligibility screening by appointment. Honorarium upon completion of study. Call 822-4270.

Statistical Consulting/ Research Laboratory
SCARL is operated by the Dept. of Statistics to provide statistical advice to faculty/graduate students working on research problems. Call 822-4037.

Surplus Equipment Recycling Facility (SERF)
Disposal of all surplus items. Every Wednesday, 12-5pm. Task Force Bldg., 2352 Health Sciences Mall. Call Vince at 822-2582/Rich at 822-2813.

Badminton Club
Faculty/Staff are welcome to join in the fun at the Robert Osborne Centre-Gym A, on Fridays now through Mar/94 from 6:30-8:30pm. Cost is $15, plus library card. Call John at 822-6933.

Nitobe Garden
Open weekdays only from 10am-3pm. Call 822-6038.

School of Human Kinetics

New name better reflects school's range of study

by Abe Hefter
Staff writer

In previous years, the School of Physical Education and Recreation focused on exactly that: the study of physical education and recreation.

These days, it's just part of the story.

Now called the School of Human Kinetics, the school studies human movement from the life, physical, social and behavioural sciences, as well as from a humanities frame of reference.

In the past, students of the school often became physical education instructors and gym teachers, resulting in the perception that only "jocks" studied physical education and recreation.

"The nature of our field has changed, especially in the last 20 years, and the school's name change reflects that," said school Director Bob Schutz. "We've evolved from strictly game-sports athletics to the systematic study of movement and sport."

Physical education is just one of the four undergraduate components of the field of human kinetics at UBC, explained Schutz, the others being exercise science, health and fitness, and leisure and sport management.

"The teaching, research and professional activities in our school, while including traditional physical education, encompass a much broader field. Our four undergraduate specializations, as well as our graduate degree areas of bioenergetics, socio-cultural research and behavioural research, all fall under human kinetics: the study of human movement in all its forms."

The name change also reflects a change in the school's curriculum and philosophy. In addition to a streamlining of the undergraduate program and offering greater distinction among undergraduate specializations, the school now offers a master's degrees in Arts, Science and Physical Education, soon to be renamed Master of Human Kinetics. A PhD program approved by the school is currently undergoing external review.

In the past, six faculty held joint appointments with the school and the Dept. of Athletics and Sport Services.

"These faculty members were having a hard time meeting the expectations of each unit," said Schutz.

"With the support of Bob Philip, director of Athletics and Sport Services, three faculty have moved into the school full-time, two others have moved full-time into Athletics, and one remains as a split appointment. This offers a much more effective use of individual faculty members."

Schutz said the next phase in the "new-look" school will centre on improvements to facilities.

The recently completed Osborne Feasibility Study contains plans for renovations or replacement of the Unit Two complex at the Osborne Centre in order to house all the school's faculty labs.

THE UNIVERSITY OF BRITISH COLUMBIA

POLICIES AND PROCEDURES - draft

Subjects: Records Management / Research Grants as Payment During Study Leave

THE UNIVERSITY OF BRITISH COLUMBIA

October 28, 1993

Dear Colleagues:

At the initiative of the University Archives Committee, a records management policy has been drafted and is here for your review.

In 1992/93, a records survey was conducted at UBC which revealed an astonishing rate of new records generation, the existence of many idiosyncratic record-keeping systems and the absence of general appraisal or retention guidelines for University records.

The draft policy would result in the development of guidelines for records retention, disposal and for ensuring that the University's permanently valuable records are identified and preserved. In addition, a records management program will help UBC prepare for the requirements of the Freedom of Information legislation which will be extended to universities in Fall 1994.

Please forward all comments to Libby Nason, Vice Provost, President's Office.

Yours sincerely,

David W. Strangway
President

INITIAL DRAFT
Policy on Records Management

RESPONSIBLE VICE PRESIDENT:
Vice President Academic
Vice President Administration & Finance
Vice President Student & Academic Services

PURPOSE:
- to promote economy and efficiency in the creation, maintenance, storage, retrieval and disposal of University records;
- to ensure preservation of records of permanent value ;
- to support both protection of privacy and freedom of information services throughout the University.

POLICY:
All records, regardless of physical form or characteristics, created or received by University officers or employees in the course of their duties on behalf of the University, are the property of the University and subject to its overall control. The University will provide guidelines for the retention of records based on legal, operational, financial, administrative and other considerations through the development of classification systems and schedules, including the destruction or transfer of records to the University Archives after the retention periods have expired. The University Archives will coordinate the University's records management program and preservation of permanently valuable records of the University.

PROCEDURE SUMMARY:
A standard records management program will be developed in order to permit the efficient maintenance and retrieval of information to help meet the operational needs of the University and UBC's obligations under the *Freedom of Infomation and Protection of Privacy Act.* Elements for consideration in such a system will include:
- development of a standard classification system for administrative records retained throughout the University;
- design of schedules for retention and destruction of records based on the standard classification system;
- provision of advice and assistance in the development of classification systems and accompanying schedules for operational records specific to each unit;
- training of staff in records management;
- development of standards for supplies and equipment used in maintaining records including the implementation and use of micrographics and microimaging systems;
- institution of forms management (to help avoid the creation of unnecessary records);
- provision of advice about storage for semi-active or inactive records;
- provision of advice concerning specific protection for vital records;
- preservation of and access to permanently valuable records;
- promotion of records management requirements in future system development.

DETAILED PROCEDURES:
Until standard detailed procedures are developed, the University will establish a University Records Disposition Committee to which administrative units may apply for authorization to dispose of records. The committee will have responsibility for determining which records should be retained and which may be safely destroyed or archived.

Development of the records management program will be coordinated by the University Archives.

DEFINITIONS:
Records, created or received by University officers or employees in the course of their duties on behalf of the Unviersity, can be in a variety of physical forms. In accordance with the definition of records in the legislation pertaining to freedom of information, *records* includes books, documents, maps, drawings, photographs, letters, vouchers, papers, and any other thing on which information is recorded or stored by graphic, electronic or mechanical means, but does not include computer programs or other mechanisms that produce records.

Active records are records which are required and referred to constantly for current use, and which need to be retained and maintained in office space and equipment close to users.

Semi-active records are records which are referred to infrequently and are not required constantly for current use. Semi-active records are removed from office space to lower cost off-site storage until they are no longer needed.

Inactive records are records for which the active and semi-active retention periods have lapsed and which are no longer required to carry out the functions for which they were created.

Permanently valuable records include those with cultural, social, scientific, administrative, financial, operational and legal significance.

Records management is the application of systematic control to recorded information which is required in the administration and operation of University activities. The services provided through a records management program include correspondence management, manuals and directives management, forms management, files management, records retention scheduling, disaster planning, vital records programs, semi-active records storage, records conversion, and archival programming.

Records Retention Schedule means an established timetable for maintaining the organization's records, transferring inactive records to storage and permanently valuable records to the Archives, and destroying records which are no longer valuable to the organization.

THE UNIVERSITY OF BRITISH COLUMBIA

October 28, 1993

Dear Colleagues:

At the request of the Office of Research Services, Policy #37, Research Grants as Part Payment During Study Leave, is being revised to reflect current practices.

A draft is published here for your review. If you have any comments, please forward them to Libby Nason, Vice Provost, President's Office.

Yours sincerely,

David W. Strangway
President

DRAFT REVISION TO POLICY #37
Research Grants as Payment During Study Leave

RESPONSIBLE VICE PRESIDENT: Vice President Research

PURPOSE: To provide opportunity for Revenue Canada-approved tax savings for applicants for study leave.

POLICY: UBC permits applicants for study leave to designate part of their study leave salary as a research grant in order to take advantage of Revenue Canada-approved tax savings.

PROCEDURE SUMMARY:
The Income Tax Act, Section 56(1) (o), states that certain costs of research may be considered as deductible for income tax purposes. Therefore, applicants for study leave for the purpose of conducting research may wish to request that part of their study leave salary be designated as a research grant.

DETAILED PROCEDURES:
The applicant applies for study leave in the usual way. Following granting of the leave, an application for a Study Leave Research Grant (SLRG) may be made on forms obtained from the Office of Research Services.

The SLRG application includes a description of the reserach work that the applicant proposes to carry out while on leave, the description as fully detailed as would be required by an fund-granting agency (NSERC, MRC, SSHRC, etc.) and an estimate of legitimate research costs which may include:
- all travel expenses for the applicant (but not for the applicant's family), including return travel from UBC to the place of his/her research (economy airfare) and all side trips during the leave in the course of the research;
- a reasonable allowance for meals and hotels for the applicant while on the side trips mentioned above;
- any incidental costs directly related to the research such as secretarial assistance, supplies, etc.

The SLRG application is returned to the Office of Research Services at least one month before commencement of the study leave. If the application has the approval of the applicant's Head/Director and Dean, and meets the requirements stated above, the Office of Research Services arranges for the applicant's study leave salary to be divided into two components, a Research Grant in the approved amount and the remainder as normal leave salary.

The SLRG component is paid through payroll as part of the applicant's monthly salary payment but is not subject to income tax witholding.

It is the responsibility of the applicant to make his/her own claim for deductions to the Revenue Canada, which may require documentation supporting the claim for research-related costs.

The University continues its fringe benefits as before based upon the applicant's regular salary when not on leave.

DEFINITIONS: None

THE UNIVERSITY OF BRITISH COLUMBIA

DRAFT REPORT OF THE COORDINATING COMMITTEE, UBC INSTITUTE OF ADVANCED STUDIES

Proposed Operating Mode for the Institute (draft)

In April 1991, Peter Wall announced his intention to provide $15M to the University of British Columbia to endow an Institute of Advanced Studies. This announcement followed several meetings between Mr. Wall and President David Strangway. Details of how the Institute would operate were not agreed in advanced, but it was clear that the endowment, the largest single gift in the World of Opportunity Campaign, was intended to bring top-rank scholars to UBC and to encourage scholarly research and publications of the highest calibre.

Because of its role in bridging Faculties and encouraging interdisciplinary endeavours, Dr. Strangway and Vice President Birch asked the Faculty of Graduate Studies to manage the new institute for the University in consultation with the Board of Trustees, established by the Deed of Trust for the Peter Wall Endowment. The Deed of Trust also calls for the appointment of a prestigious Advisory Panel, composed of some of the world's most distinguished scholars, to provide advice in selecting the best possible programs, projects and people, and a Management Committee to handle the finances and investments of the Peter Wall Endowment. The Deed of Trust further establishes that the Endowment will provide a minimum annual cash flow of $1,000,000 (in 1991 dollars) from April 1, 1996 and a pre-1996 total (cumulative) cash flow of $1,500,000 to provide for start-up of the new Institute. However, the need to establish a firm financial base for the Institute has led to a decision to spend considerably less money during the start-up phase.

The Peter Wall endowment gives the University of British Columbia a remarkable opportunity to build an Institute of the highest possible quality with direct and beneficial impact on scholarship and research. A Coordinating Committee has been given the challenging task of proposing the mode of operation of the new Institute. This committee has been asked, in particular, to consider alternate operating models for the Institute of Advanced Studies, so that the endowment funds can provide maximum benefit to the University and the wider community. This report presents the recommendations of the Coordinating Committee. In particular, we propose a set of guidelines, procedures and objectives for discussion by the Board of Trustees and the University community. If adopted, we believe that our proposals, properly implemented, would lead to a dynamic, flexible and unique Institute, with major potential impact on a wide range of areas of research, in particular, novel areas and those that stand to benefit from multidisciplinary and interdisciplinary activity.

Constraints

There are a number of constraints on the new Institute which have limited the scope of our discussions:

(1) The income from the endowment is to be used for operating expenses only. It cannot be used for bricks and mortar.

(2) The expected and minimum annual operating budget is $1M Cdn. beginning in 1996. (Over time, this income may increase, so that there should be flexibility to allow for an increase in the level of activities).

(3) The operations of the Institute must be acceptable both to the Board of Trustees and to the University community.

(4) The new Institute should be in operation by April 1, 1996.

Governing Principles

The following guiding principles have emerged from the discussions of the Committee and from the input received from those consulted:

(1) The Institute of Advanced Studies must enrich the University of British Columbia, adding to its overall academic excellence and enhancing its scholarly reputation.

(2) The Institute should also be of direct benefit to the intellectual life of Vancouver, Canada and, indeed, the world.

(3) The Institute should build on areas where UBC has already achieved excellence. Emphasis should be on new or underdeveloped fields which are related to existing strengths and where knowledge/research is ripe for major development.

(4) The Institute should have a coherence and character of its own. It should not function simply as a source of funds for disparate activities.

(5) The Institute must be designed to enable it to keep up with the rapidly changing worlds of research and ideas. In particular, it must be capable of meeting new challenges and of actively seeking opportunities in emerging research areas.

(6) The Institute should attract to UBC, for periods of various durations, scholars of the highest international stature who would not otherwise come.

(7) There should be direct benefits for graduate students, post-doctoral fellows and other members of the university community, as well as faculty.

(8) The Institute should enhance existing departments and other units, not compete with them. It should act as a bridging mechanism and promote interdisciplinary work.

(9) The Institute should not be the preserve of a single discipline or group on campus, but should be of value to a broad range of fields.

(10) Because of relative underfunding in some areas and the fact that the Wall endowment cannot be used for equipment or space, the Institute should be of special interest and benefit to the humanities, social sciences and aspects of science and the professions which do not rely on laboratory work.

Proposals for the new Institute should be consistent with these principles.

Other Models

It is clear that there are lessons to be learned from other institutes of advanced studies and similar units operating elsewhere. This committee has therefore made a point of familiarizing itself with a representative sample of institutes, outside and inside Canada, which have been established to foster research in a variety of areas. Information provided by the International Federation of Institutes for Advanced Studies was also considered. By means of interviews of UBC faculty members with experience at the various institutes, visits to six of the most prestigious ones in the U.S., Germany and England, and printed annual reports, brochures, etc., detailed information was gathered on fifteen units as follows:

B.C. Advanced Systems Institute
Calgary Institute for the Humanities
Canadian Institute for Advanced Research
Centre de Recherches Mathématiques, Université de Montréal
Hoover Institution on War, Revolution and Peace, Stanford
Institute for Advanced Study, Princeton
Institute of Advanced Studies, Australia National University, Canberra
Institute of Advanced Studies, University of Malaya
Institute of Social and Economic Research, Memorial University of Newfoundland
International Development Research Centre
King's College Cambridge Research Centre
Mathematisches Forschungsinstitut Oberwolfach, Germany
Max Planck Institute for Foreign and International Criminal Law, Freiburg, Germany
Resources for the Future, Washington, DC
Stanford Humanities Center

These cover a wide range—inside and outside Canada, well known to lesser known, well endowed to low budget, successful to disappointing in achievement, specific to broad in focus. Information gathered on the objectives, histories, resources, activities and management structures of these units is included in summary form in the Appendix of the full report.

Some lessons which we might venture to draw from these other entities, as well as from interdisciplinary units operating at UBC, are as follows:

- Coherent vision and strong leadership appear to be two vital elements in achieving significant impact.

- A number of the units investigated are widely regarded as having been successful, but their success has been achieved in very different ways with widely differing structures and resources. There is no single way of achieving success.

- Success in the short term does not assure long term success. There is a risk that an institute will fossilize where its design does not incorporate mechanisms for keeping it current.

- While additional resources open up new possibilities, there is not a one-to-one correspondence between the level of funding and the impact achieved.

- Facilitation of contacts and working relationships between colleagues around themes of common interest can be stimulating and lead to significant achievements. Informal social events, such as lunches and afternoon tea, are important stimuli to development of effective exchange of ideas.

- Access to excellent library and other facilities is vital if one wishes to attract top scholars to visit and work with institutes.

- Involvement of graduate students in institute activities is generally not a central aspect of the units examined, but graduate student involvement can be of major benefit to those involved.

- Publication, under the Institute name, of significant books or proceedings can greatly enhance the reputation of the Institute and provide natural "products" for the deliberations held under its auspices.

These lessons have helped in the shaping of our own recommendations for the UBC Institute of Advanced Studies.

Possible UBC Models

The Committee considered two distinct models for operation of the Institute and then concluded that a hybrid model would be most appropriate.

Model A: "Star Model": In Model A, the Institute would seek to hire as "permanent" (until retirement) faculty members 3 or 4 internationally recognized scholars of the highest calibre. For example, it could try to attract winners of top international awards (e.g., Nobel, Pulitzer or Field prizes) to become UBC faculty members. These persons would be given cross-appointments in existing departments. Teaching would be done in the relevant department and, when applicable, research equipment would be located there and obtained through grant-

THE UNIVERSITY OF BRITISH COLUMBIA

October 28, 1993

Dear Colleagues:

The University of British Columbia is in the initial stages of establishing an Institute of Advanced Studies. A copy of the draft report of the Coordinating Committee has been published here for your perusal and comments. We have had many suggestions which have already been incorporated and would like to give the university community an opportunity to provide further input. Please send your comments to me at the Faculty of Graduate Studies, General Services Administration Building, Zone 1.

Yours sincerely,

John R. Grace
Chair, Coordinating Committee and
Dean of Graduate Studies

THE UNIVERSITY OF BRITISH COLUMBIA

Report of the Coordinating Committee, UBC Institute of Advanced Studies

ing councils or other regular channels. These appointments would greatly enhance the reputation of UBC, leading to improved opportunities for recruiting excellent faculty members, students, postdoctoral fellows and visiting scholars. Excellent people would be drawn to work with the distinguished appointees, further enhancing the quality of the research staff and student body. The specific areas where the appointees are well established would receive a particular boost.

The drawbacks of this model are that, given the amount of funds available, only a small number of fields would benefit directly, each with a single appointee, that the Institute would have little coherence or raison d'être as a unit, and that there would be very little flexibility to respond to new initiatives or novel areas. In addition, "stardom" in this age of rapid advancement and change is an increasingly transient phenomenon, so that it is not clear that permanently appointed "stars" are appropriate building blocks for ensuring long-term institutional excellence.

Model B: "Thematic Model": In Model B, the Institute would coordinate, at the rate of approximately one per year, concentrated interdisciplinary thematic activities of extended duration focusing on major topics of the day. Proposals for these would come from groups of individuals or from interdisciplinary units on campus; these proposals would be judged according to established criteria. Each successful proposal would involve a process of detailed planning lasting at least a year, a one-year period of intense research activity, and a period of winddown of at least a year during which reporting and final publications would be prepared. The period of intense research activity would involve key UBC faculty members (who would be given teaching release time), top visiting scholars brought in from other institutions, and graduate students, postdoctoral fellows and research assistants. During the most active year there would be major events (e.g., public lectures, symposia, workshops, a conference) some of which would be open to the larger community. At least one Vancouver Institute lecture would be given and at least one major publication would emerge from each thematic concentration. Model B would provide for considerable involvement of a wide spectrum of UBC faculty and students over a period of time and would greatly enhance the extent of interdisciplinary and multidisciplinary work.

Disadvantages of Model B would be that it might well take longer for the Institute to have a positive impact on the reputation of UBC and that a larger non-academic support structure and staff would be needed to coordinate the activities of the Institute, given the much greater complexity of the program.

Model C: "Hybrid Model": The committee respectfully submits a hybrid model as the model which it believes is best able to achieve significant gains for UBC, combining the best aspects of both of the above models, while at the same time being capable of gaining the acceptance of both the Board of Trustees and the university community. We propose an Institute which would have a single distinguished interdisciplinary scholar combined with thematic activities. Key features of the Institute would be as follows:

Distinguished Institute of Advanced Studies Professor: One distinguished scholar, an internationally recognized leader and intellectual figure, would be recruited to join UBC as the Distinguished Institute of Advanced Studies Professor or Distinguished Wall Professor. The person to be chosen must have an international reputation of the highest order for scholarly achievements in fields where UBC is actively engaged. S(he) must have a breadth of interest, creativity and intellectual involvement which transcends several disciplines. S(he) must have vision, energy and enthusiasm, with interest in students and the ability to communicate and interact with colleagues and students in a broad range of disciplines. While we hesitate to provide names, we would suggest that such scholars as Northrop Frye, Simone de Beauvoir and F.S.C. Northrop, during their lifetimes, would have had the stature and breadth needed for such a position.

The Distinguished Professor would not be directly involved in every thematic area to be explored under the auspices of the Institute, but would be expected to be an inspirational role model, not only for the Institute and for UBC, but also for Canadian intellectual life. Such an individual would enhance the reputation of both the Institute and the University, while helping to create a standard of excellence and a climate of intellectual excitement. S(he) would also be an associate member of one or more academic department and could supervise graduate students there, as well as through the Individual Interdisciplinary program. The presence of such a person in the Institute and at UBC would also help promote the breaking down of barriers between traditional disciplines on campus.

Institute of Advanced Studies Faculty Associates: Top UBC scholars, such as those who are Fellows of the Royal Society and who have won Killam Research Prizes or other major awards, would be invited to become Associates of the Institute of Advanced Studies. It would be important to assure a balance by gender, age and discipline in the group of associates. Emeritus Professors would not be excluded. A committee of Associates, with representation also from directors of interdisciplinary institutes/centres, would adjudicate thematic proposals and provide internal advice to the Director. Committee members should be appointed for terms of three years, with possibility of one three-year renewal. All Associates would be invited to participate in Institute activities.

Thematic Concentrations: Multi-disciplinary groups of UBC faculty members or existing interdisciplinary centres and institutes would be invited to submit proposals for designation and funding as Institute of Advanced Studies thematic concentrations. Criteria and application procedures would include the following features:

- Maximum total Institute of Advanced Studies funding for each theme would be $500,000, to be spent over a period of three years, or somewhat longer in special cases.

- Themes must be in new or emerging areas or areas where major advances might occur as a result of unique approaches or a new combination of inputs.

- Initial approval would be given to hold a workshop, bringing together key individuals who would be involved. Final approval would be given only after the initial proposal had been refined after this initial workshop.

- In one of the years, the theme would be in the most active phase. (Only one theme would be in this most active phase each year). At least 80% of the Institute funds dedicated to the theme would normally be spent during this year. Items eligible for funding would include travel funds, salaries and stipends for distinguished visiting scholars from other institutions; teaching time release stipends for UBC faculty members to be involved; expenses for workshops, symposia and lectures associated with the theme; subsidies for one major conference; purchase of key library materials and software; subsidies for publication costs; salaries for graduate students, postdoctoral fellows or other research assistants to work on the theme; secretarial support; subsidies for regular occasions (such as daily or weekly tea) and special events to bring together theme participants for informal discussions.

- The proposing group, institute or centre would, with the support of the Institute of Advanced Studies staff, continue to act as the coordinating committee for the theme once approved. The lead applicant would be designated as the "theme coordinator".

- Whenever appropriate, theme coordinators would be required to seek additional funding from granting councils, foundations, industry, etc.

- Budgets and expenditures would be carefully monitored to ensure effective use of funds. The final 10% of funds would not normally be released until a final report had been received and all publications were in press.

- Criteria to be used in choosing themes would include:

(a) The excellence of the researchers involved, both those from inside UBC and those committed to take part from outside.

(b) The originality, topicality and potential impact of the theme.

(c) The breadth of approach to be used. Normally it is expected that the theme should involve, to a significant degree, at least three academic disciplines and that the UBC involvement must include two or more departments.

(d) The coherence and viability of the research plan.

(e) Ability of the thematic concentration to have a lasting impact on UBC and on the wider community.

(f) The ability of the proposers to provide leadership and effective management.

(g) Active involvement of graduate students and, where relevant, postdoctoral fellows.

(h) Where applicable, inputs and financial support from other sources.

If no proposals of adequate quality are received in a given year or if it is essential to accumulate funds for a particularly large proposal, the Institute may decide to support no theme in a given year.

Director: The director would be a respected academic with administrative ability and experience, interdisciplinary interests, leadership qualities and vision. Excellent communication skills and ability to motivate and work with other people would be vital. Experience at several different institutions, especially if there had been an international component, and experience in dealing with the media would be assets. S(he) must be compatible with the Distinguished Professor.

Reporting to the Dean of Graduate Studies, the director would coordinate the affairs of the Institute, assuring that criteria for choosing themes are applied equitably, that themes and other activities are administered effectively, that the distinguished IAS professor is taken care of properly, and that the other staff are effectively hired and coordinated. The director should establish good working relationships with those on-campus and off-campus involved with other institutes and centres, Vancouver Institute lectures, etc. The director would be engaged 60% of time in Institute activities, with a 40% cross-appointment in a regular academic department. He/she would be chosen using standard procedures for choosing directors in the Faculty of Graduate Studies, involving a broad-based committee chaired by the Dean and reporting to the Vice President Academic.

Administrative Assistant: The administrative assistant would be a full-time employee of the Institute. S(he) would assist the director in day-to-day administration of the affairs of the Institute, maintain financial accounts, assure that up-to-date publicity is prepared and disseminated, provide continuity from theme to theme, assist theme coordinators, arrange for travel for Advisory Panel meetings and act as a source of information on all aspects of Institute affairs.

Other Support Staff: There would be one full-time secretary for the Institute. S(he) would act as secretary to the Distinguished professor and to the director. Where possible, help would also be given to theme coordinators. Other part-time staff or temporary staff could be hired as part of the thematic concentration budgets to help with special events such as workshops, conferences and publications.

Institute Publications: Results of the thematic concentrations, as well as conference proceedings and key lectures, would be published in an Institute series, possibly through UBC Press.

Other Institute Activities: From time to time, the Institute would sponsor or co-sponsor other events, e.g., lectures or conferences of major interest and intellectual value.

Physical Facilities: In the short term, the Institute might be able to occupy administrative space in Green College. Many of the visitors could be accommodated there and most workshops and activities could be held there. Given the interdisciplinary focus of the College, affinities with Green College would be natural. However, it would be important to maintain (e.g., via signage) distinct identities for both the Institute and the College. In the longer term, it is important that a new and separate home be provided for the Institute in a central location or near Green College.

Relationship of Proposed Model to Constraints and Governing Principles

The Committee believes that the operating model proposed herein meets the constraints and governing principles enunciated at the beginning of this report:

Constraint 1: All of the funds would be spent on operating expenses.

Constraint 2: The Institute could operate within a total annual budget of $1M. Increases in the budget would allow more ambitious themes to be tackled and/or a second distinguished professor to be added.

Constraint 3: This draft report is for discussion and evaluation by the Board of Trustees and the University community. We look forward to receiving comments and incorporating suggested

THE UNIVERSITY OF BRITISH COLUMBIA

Report of the Coordinating Committee, UBC Institute of Advanced Studies

changes that will make the proposal widely acceptable.

Constraint 4: The Institute as proposed could be in operation by April 1, 1996. Proposed start-up procedures are outlined below.

Principle 1: The proposed Institute would enrich the substance and reputation of UBC by adding a scholar of the highest international standing and by sponsoring exciting thematic explorations in areas of key interest and novelty leading to wide dissemination of results.

Principle 2: World class scholars from outside UBC would be brought to the campus to interact with UBC faculty and students. Public events would permit participation from the wider community.

Principle 3: Key criteria in the selection of themes would include the strength of the UBC group making the proposal, the strength of the non-UBC participants and the novelty of the area. These criteria will assure that the Institute will build on areas where UBC already has strength and that significant areas will be chosen.

Principle 4: The Institute would develop its own coherent structure and character. It would become known as a promoter of exciting intellectual interdisciplinary activities.

Principle 5: Because of its concentration on topical themes, the Institute would have the capacity to be flexible and to respond to new areas and challenges.

Principle 6: The Institute would lead to the addition of a very distinguished scholar to the full-time academic staff of the University and would attract a series of outstanding visiting scholars for shorter stays of up to one year.

Principle 7: Graduate student and postdoctoral fellow involvement would be encouraged through the selection criteria for thematic concentrations.

Principle 8: The Institute would not compete with departments for resources, but would enhance existing research activities and lead to bridges between departments. The thematic concentrations could be especially important for existing institutes and centres which already have structures in place for coordinating interdisciplinary activities. These thematic concentrations could also prove to be an excellent launching pad for new centres and institutes. In many cases the Institute funding would have a catalytic effect, stimulating financial and other inputs from elsewhere.

Principle 9: Through the breadth of the distinguished scholar and of the various themes tackled, the Institute would be of value, over a period of time, to a significant number of scholars from different disciplines.

Principle 10: The themes and types of research which will be likely to find the Institute most appealing will be those of a non-experimental nature. Humanities, social sciences and aspects of science and the professions which do not rely on laboratory work would likely benefit most.

Implementation Schedule

We propose the following timetable and milestones for start-up of the new Institute:

January, 1993 — Input from Deans, and Associate Vice Presidents Academic followed by revision of report.

February, 1993 — Further discussion by Board of Trustees.

March-May, 1993 — Input from Heads and Directors followed by revision of report.

September-November, 1993 — Input from campus at large including Graduate Council and Senate followed by final revision of report.

December, 1993 — Final approval of report by Board of Trustees.

Spring, 1994 — Search process begins for both Director and for Distinguished Professor.

January, 1995 — Director takes up position.

January-August, 1995 — Director involved in refining and carrying out the vision of the Institute. Secretary hired. Establish International Advisory Panel. Criteria for thematic concentrations are refined and disseminated to the campus and beyond. Invite initial group of Faculty Associates to participate in committees and activities.

Fall, 1995 — Initial Workshops. Choice of first themes. Hire administrative assistant.

Early 1996 — Planning for first theme. Competition for second theme.

April, 1996 — Opening Event: Major lecture or symposium, first meeting of International Advisory Panel, beginning of first thematic concentration.

July 1, 1996 — Distinguished Professor takes up position. First thematic concentration reaches most active phase.

Some adjustment of this schedule will almost certainly be required, but this framework appears to allow the Institute be fully operational on April 1, 1996 within the budgetary constraints imposed.

Respectfully submitted by:

H. Alan C. Cairns, Professor, Political Science
Marketa C. Goetz-Stankiewicz, Emerita Professor, Germanic Studies
John R. Grace (Chair), Dean of Graduate Studies and Professor, Chemical Engineering
Dagmar Kalousek, Professor, Pathology
Charles J. Krebs, Professor, Zoology
Olav Slaymaker, Associate Vice-President Research and Professor, Geography
Joseph C. Smith, Professor, Law
Bruno Wall, Executive Vice-President, Wall Financial Corporation
James V. Zidek, Professor, Statistics

Acknowledgements

We acknowledge with gratitude input from the following persons in helping us understand constraints and in informing us about other institutes that might provide useful lessons as we considered alternate models for the UBC Institute of Advanced Studies:

Tess Adkins, Senior Tutor, King's College, Cambridge
Daniel R. Birch, Vice-President Academic
David W. Boyd, Professor, Mathematics
A. Eser, Director, Max Planck Institute for Foreign and International Criminal Law, Freiburg
Irving K. Fox, Professor Emeritus, Westwater Research Centre
Bruno Freschi, Dean of Architecture, State University of New York, Buffalo
Jane Gaskell, Professor and Head, Social and Educational Studies (now Associate Dean, Faculty of Education)
Ivan Head, Professor, Political Science and Law
Robert H. Jackson, Professor, Political Science
Charles Junkerman, Associate Director, Stanford Humanities Center
M. Patricia Marchak, Dean of Arts and Professor, Sociology
Terence G. McGee, Director, Institute of Asian Research and Professor, Geography
Norman McNatt, Development and Public Relations Officer, Institute for Advanced Study, Princeton
Charles G. Palm, Associate Director, Hoover Institution on War, Revolution and Peace
D. Petroll, Mathematisches Forschungsinstitut Oberwolfach
Anthony D. Scott, Professor Emeritus, Economics
David W. Strangway, President
James M. Varah, Director, Centre for Integrated Computer Systems Research and Professor, Computer Science

STUDENT DISCIPLINE REPORT

Under clause 58 of the University Act the President of the University has authority to impose discipline on students for academic and non-academic offences. In the past the nature of the offences dealt with and the penalties imposed have not been generally made known on the campus. It has been decided, however, that a summary should be published on a regular basis of the offences and of the discipline imposed without disclosing the names of students involved.

In the period October 1, 1992 to September 30, 1993, 28 students were disciplined. For each case, the events leading to the imposition of the discipline and the discipline imposed are summarized below. Discipline may vary depending upon all of the circumstances of a particular case.

1. A student handed in an examination booklet after an examination, falsely claiming that the booklet had been written during the examination and had not been handed in through oversight.
Discipline: a mark of zero in the course and suspension from the University for 12 months.*

2. A student plagiarized in the preparation of a paper.
Discipline: a mark of zero in the course and suspension from the University for 12 months.* An appeal to the Senate committee on Student Appeals on Academic Discipline was dismissed.

3. A student had another student write an examination.
Discipline: a mark of zero in the course and suspension from the University for 16 months.* An appeal to the Senate committee on Student Appeals on Academic Discipline was dismissed.

4. Four students were held responsible for physical harassment of another student.
Discipline: a letter of reprimand to be placed in each student's file.

5. A student was careless in the preparation of an essay and an inference of plagiarism could have been drawn from the essay.
Discipline: a letter of reprimand to be placed in the student's file and the student to submit an acceptable essay at least 5000 words in length to the President on plagiarism.

6. A student copied answers from another student during an examination.
Discipline: suspension from the University for 8 months.* An appeal to the Senate committee on Student Appeals on Academic Discipline was dismissed.

7. A student had unauthorized materials (a "cheat sheet") in an examination.
Discipline: a mark of zero in the course and suspension from the University for 12 months.*

8. A student had another student write an examination on two occasions and in one case removed the paper containing the examination questions from the examination room.
Discipline: suspension from the University for two years.*

9. A student attempted to obtain money from a funding organization by sending requests for payments which purportedly came from the University.
Discipline: given extenuating circumstances, a notation of academic discipline was placed on the student's transcript and file but the student may apply to the President after one year to exercise his discretion to remove the notation.

10. A student had unauthorized materials (two "cheat sheets") in an examination.
Discipline: a mark of zero in the course and suspension from the University for 4 months.*

11. A student plagiarized an essay.
Discipline: a mark of zero in the course and suspension from the University for 12 months.*

12. A student exchanged an examination booklet with another student during an examination and handed in the booklet received from the other student.
Discipline: a mark of zero in the course and suspension from the University for 12 months.* An appeal to the Senate committee on Student Appeals on Academic Discipline has not yet been heard.

13. A student wrote a fictitious name and student number on an examination paper and handed the paper in.
Discipline: a mark of zero in the course and suspension from the University for 12 months.* An appeal to the Senate committee on Student Appeals on Academic Discipline was dismissed.

14. A student altered a transcript of another student, without that student's knowledge, and submitted it to a prospective employer.
Discipline: suspension from the University for five years.*

15. A student plagiarized essays in two courses.
Discipline: a mark of zero in the courses and suspension from the University for 12 months.*

16. A student assaulted another student on the University campus.
Discipline: suspension from the University for 12 months.*

17. A student exposed a paper during an examination to another student.
Discipline: a mark of zero in the course and suspension from the University for 8 months.*

18. A student forged an instructor's signature to a University document.
Discipline: suspension from the University for 2 years.*

19. A student submitted another student's examination paper.
Discipline: suspension from the University for two years.*

20. A student prepared answers prior to a mid-term examination and copied them into the examination booklet during the examination.
Discipline: Extenuating circumstances resulted in a mark of zero in the examination and a letter of severe reprimand.

21. A student wrote two examinations for another student.
Discipline: given extenuating circumstances, suspension from the University for 12 months.*

22. A student copied answers from another student during an examination.
Discipline: suspension from the University for 8 months.* An appeal to the Senate committee on Student Appeals on Academic Discipline was dismissed.

23. A student had unauthorized materials (a "cheat sheet") in the examination.
Discipline: a mark of zero in the course and suspension from the University for 12 months.*

24. A student copied answers from another student during an examination.
Discipline: suspension from the University for 8 months.*

25. A student who completed a course the previous year, wrote an examination in that course the following year and permitted that examination paper to be submitted by another student.
Discipline: suspension from the University for 12 months.*

* In all cases in which a student is suspended a notation is entered on the student's transcript and in the student's file. At any time after two years have elapsed from the date of his or her graduation the student may apply to the President to exercise his discretion to remove the notation.

Students under disciplinary suspension from UBC may not take courses at other institutions for transfer of credit back to UBC.

THE UNIVERSITY OF BRITISH COLUMBIA

CAPITAL PLAN SUBMISSION 1993/94

THE UNIVERSITY OF BRITISH COLUMBIA

September 9, 1993

Mr. R. J. Parker
Director, Facilities Branch
Ministry of Advanced Education
Training & Technology
838 Fort Street
Victoria, B.C.
V8V 1X4

Dear Sir:
RE:CAPITAL PLAN SUBMISSION1992/93
On behalf of the University of British Columbia I enclose our Capital Plan Submission amended to 1993 08 31. The Plan covers ten years from the current year 1993/94 forward to the year 2002/03 and is divided into three sections as follows:

A.MAJOR CAPITAL PROJECTS:
Large projects for which 100% Provincial Government funding is anticipated.

B.CAMPAIGN AND FUNDRAISING PROJECTS:
The current list of case statement projects for which 50% Provincial Government funding on a matching basis is anticipated plus other projects which are fully funded by donations.

C.ADDITIONAL CAPITAL PROJECTS
Projects which are being undertaken by UBC.

This Plan continues to reflect the University's priorities as established in the Mission Statement and Strategic Plan which was adopted in 1989. Each section of the Plan included a summary of project schedules and, where applicable, brief project descriptions. Also included are anticipated project costs linked to time frames for reference purposes.

Relative to specific project costs, in the main we have not inflated the figures from our last submission and are continuing to identify the project values as at 1992 09 01. We feel strongly that a discussion of this subject should take please between your Department and all universities with a view to adopting a common inflation factor for the period 1992 09 01 to 1993 09 01.

As further reference information pertaining to this submission we are including a chart demonstrating expected cash flow covering all major Capital Projects. Since little change has occurred over the year this chart is a copy of that submitted last year. Also, to be forward to you before the end of September, we are updating and reprinting our Facilities Inventory Report. The data contained in the FIR is currently being adjusted to match information contained in this Capital Plan Submission.

Please advise if further information is required.
Yours truly,

A. Bruce Gellatly
Vice-President, Administration & Finance

Legend: P = Planning
D = Design Start
T = Tender Period
O = Occupancy Date

CAPITAL PLAN (FISCAL 1992/93 - FISCAL 2003/03
100% PROVINCIAL GOVERNMENT FUNDING

A	MAJOR CAPITAL PROJECTS	1993/1994	1994/1995	1995/1996	1996/1997	1997/1998	1998/1999	1999/2000	2000/2001	2001/2002	2002/2003
1	Tri-University Waste Disposal Facility (Incinerators)										
2	Advanced Materials and Process Engineering Laboratories (AMPEL)	T		O							
3	Scarfe Building (Expansion/Renovation - Phase I)	T		O							
4	Forest Sciences Centre		T	O							
5	Jack Bell Research Laboratories (Interior Finishing)	D T	O								
6	Scarfe Building (Expansion/Renovation - Phase II)	- D	T		O						
7	Biotechnology Laboratory (Phase II)	D	T	O							
8	Chemical Engineering	- - - -	D	T	O						
9	Earth Sciences Building (Phase I)	- - - -	D	T		O					
10	Student Services Centre II (Brock Hall)	P -	- - - -	D	T		O				
11	Health Sciences Facilities		P - - -	- - - -	D	T		O			
12	Faculty of Law Expansion			P -	- - - -	D	T	O			
13	Earth Sciences Building (Phase II)			P -	- - - -	D	T		O		
14	Instructional Space				P - - -	D	T	O			
15	Research Space				P -	- - - -	D	T		O	
16	Library Centre (Phase II)					P -	- - - -	D	T		O
17	Buchanan Buildings (Renovation/Upgrade Phase I)						P -	- - - -	D T	O	
18	Old Chemistry Building Renovations						P -	- - - -	D	T	

THE UNIVERSITY OF BRITISH COLUMBIA

CAPITAL PLAN SUBMISSION 1993/94

Provincial Government Funding

	PROJECT DESCRIPTION	PROJECT BUDGET [$]	OPERATING [$] 1992/93	DESIGN START	TENDER AWARD	CONSTRUCTION START	COMPLETION	COMMENTS
A	MAJOR CAPITAL PROJECTS							
1	TRI-UNIVERISTY WASTE DISPOSAL FACILITY (Incinerators) This facility will provide controlled disposal service to SFU, U/Vic and UBC for handling of liquid and pathological wastes. Outdated existing incinerators will be replaced by two æstate of the artÆ units capable of safely and efficiently burning the noted wastes. Effective stack scrubbers are included in the project such that all contaminants will be removed from stack effluent.	$6,750,000* (1991)	TBD	1990/04	Hold	Hold	Hold	*Original estimate of $5.0 million (September 1989 dollors) reassessed by quantity survey to Nov. 1991. Project cost inclusive of all major equipment. Project on hold while public consultation in progress.
2	ADVANCED MATERIALS AND PROCESS ENGINEERING LABORATORIES (AMPEL) This important facility will provide critical space in which to carry design projects through the process development stages to the industrial prototype level. It will also meet the urgent needs of continuing faculty, technical support staff and graduate students for shared office and laboratory space. The required expensive pieces of capital equipment cannot be justified on the basis of individual research programs or single discipline efforts. In response to the need for interdisciplinary efforts and shared resources, this project would create an adequately equipped multi-disciplinary centre for materials science at UBC. It would include faculty and students from six departments in the Faculties of Science and Applied Science, as well as from TRIUMF.	$20,990,000* (1992)	$308,623	1991/09	1993/09	1993/10	1995/06	*Original estimate of $17.1 million (September 1988 dollars) inflated @ 0.8% per month to September 1990. Further inflation of 3.0% included to Sept 1992.
3	SCARFE BLDG EXPANSION/RENOVATION (Phase I) An addition to the Scarfe Building is urgently required to replace substandard temporary buildings presently occupied by the Faculty and to consolidate activities presently housed in nineteen locations. This new construction must take place ahead of, and concurrently with, renovations and deferred maintenance upgrading to the Scarfe Building in order to allow for functional and cost effective development. Deferred maintenance and renovation costs associated with this project are included in Phase II. It is anticipated that a net assignable area of 2,162 and a gross area of 2,874 meters will be constructed in Phase I with a corresponding demolition of 1455 gross square meters of huts or temporary buildings. See 1993/94 Facilities Inventory Report for further details.	$15,000,000* (1992)	$12,958	1991/09	1993/07	1993/08	1995/05	*12,000,000 (Sept. 1991 dollars) adjusted by 3% for inflation to Sept. 1992. Estimate increased for inclusion of seismic work.
4	FOREST SCIENCES CENTRE Expanded facilities for Forestry and related Sciences at UBC will accommodate new areas of research and education such as timber engineering, harvesting robotics and remote sensing by satellite. Programs housed in this facility will develop interests in forestry research among faculties and with industry and government agencies. The Pacific Centre will place UBC in a world class position in Forestry and related sciences. It is anticipated that a net assignable area of 10,071 and a gross area of 16,528 will be constructed with a corresponding demolition of 1953 gross square meters of huts or temporary buildings. See 1993/94 Facilities Inventory Report for further details.	$40,050,000*	$615,321	1992/08	1994/09	1994/10	1996/07	*Original allowance of $40 million (September 1989 dollars) inflated @ 0.8% per month to September 1990. Further inflation of 3.0% included to Sept 1992. Figures revised downward August 1993 to a maximum cost of the amount shown excluding furniture allowance to be provided by UBC.
5	JACK BELL RESEARCH LABORATORIES (Interior Finishing) (Previously included under general heading of Health Sciences Facilities) Unfinished space has been provided at Vancover General Hospital for medical research by UBC departments and staff. The space is currently being constructed and finished. The funds to furnish and equip the space are urgently required. Current policy suggests that funds to complete this space should flow through the university side of the partnerships and hence from the Ministry of Advanced Education, the cost of maintaining the space will be shared with VGH. This will be the only space provided by UBC at the VGH site.	$6,565,000* (1992)	$293,345	1993/04	1993/11	1993/12	1994/11	*Project cost inclusive of all major equipment. Estimate of $6,375,000 (Sept. 1991 dollars) is adjusted by 3.0% to Sept 1992.
6	SCARFE BLDG. EXPANSION/RENOVATION (Phase II) This is a continuation of the project that began in 1991. Revisions to scope have taken place which decreases the amount of new construction in favour of upgrading existing space. Net assignable and gross area requirements are currently being determined in the functional program. It is expected that a corresponding demolition of 2822 gross square meters of huts or temporary buildings will occur. See 1993/94 Facilities Inventory Report for further details.	$11,000,000* (1992)	N/A	1993/09	1994/11	1995/01	1996/05	*Original allowance of $8,000,000 (Sept. 1991 dollars) adjusted by 3% to Sept 1992. Quantity survey estimate updated as a result of revised development strategy including the undertaking of seismic work in Phase I.
7	BIOTECHNOLOGY LABORATORY (Phase II) This facility is required in order to accommodate activities presently located in substandard space and requiring expansion. Proposed area of project is 8740 m2 of construction adjacent to and over an existing building.	$28,300,000* (1993)	$303,894	1993/09	1994/07	1994/09	1996/03	Latest scope of work and budget as documented in Project Brief dated June 1993.
8	CHEMICAL / BIO-RESOURCE ENGINEERING This facility is planned to replace the existing Chemical Engineering Building which no longer meets the standards set by the Acereditation Board and W.C.B. The Chemical Engineering program is operating on a provisional basis while planning of a new facility proceeds. Current space housing these programs totals 3900 net assignable square meters. Following further investigation the viability of demolition vs adaptive reuse* will be explored. It is anticipated that a net assignable area of approx 4,150 and a gross area of approx 7,340 will be constructed with a corresponding demolition of 765 gross square meters of huts or temporary buildings, and an additional 3,770 gross square meters for the old chemical engineering building when it is demolished. See 1993/94 Facilities Inventory Report for further details.	$23,000,000 (1993)	TBD	1994/04	1995/07	1995/08	1996/12	Latest scope of work and budget for combined project is emerging in Project Brief to be published in late 1993. *Should adaptive reuse be possible it would be for temporary, low service use only.
9	EARTH SCIENCES BUILDING (Phase I) This facility will be required to replace an existing, seismically deficient building which houses Geophysics and Astronomy 1944 m2 (net), and to accommodate Oceanography. Through providing physical links to the Geology Building, it is anticipated that requirements for teaching, research and support space will lead to the development of an integrated Earth Sciences Centre, including a fully functional observatory. Final area requirements are currently being determined and a project brief should be available in early 1994. It is anticipated that a net assignable area of approx 5,979 and a gross area of approx 10,463 will be constructed in Phase I with a corresponding demolition of 2,789 gross square meters of huts or temporary buildings. See 1993/94 Facilities Inventory Report for further details.	$29,750,000* (1992)	TBD	1994/04	1995/11	1996/01	1997/08	*Original allowance of $25,000,000 (September 1991 dollars) adjusted by 3% for inflation to Sept 1992 plus $4,000,000 is added for program adjustment to partially accomodate Geography.
10	STUDENT SERVICES CENTRE II (Brock Hall) Phase II is required in order to reconstruct the existing structure (Brock Hall) which cannot be functionally modified in a manner which is economically feasible. The facility will be the second phase of the Student Services Centre Project (funded in 1990), and will result in consolidation of all administrative services for students in one location.	$9,528,000* (1992)	TBD	1995/04	1996/09	1996/10	1998/04	*Original allowance of $8.3 million (September 1989 dollars) reassessed to $9.25 million (September 1991) dollars and adjusted by 3.0% inflation to Sept 1992.
11	HEALTH SCIENCES FACILITIES This project will consist of several portions of new construction including space for laboratories, allied Health Sciences and health promotion in several locations, at an assumed cost of $43 million including finishing of the Jack Bell Research laboratories. Following development of the new space, there will be significant renovations required through existing Health Sciences space totalling 11250 m2 . At this time, estimates are not available for this work, rather, an allowance only is shown.	$37,724,000* (1992)	TBD	1996/04	1997/11	1998/01	1999/10	*Original allowance of $43,000,000 less $6,375,000 for Jack Bell Labs leaves $36,625,000 (September 1991 dollars) adjusted by 3.0% inflation to Sept 1992.

THE UNIVERSITY OF BRITISH COLUMBIA

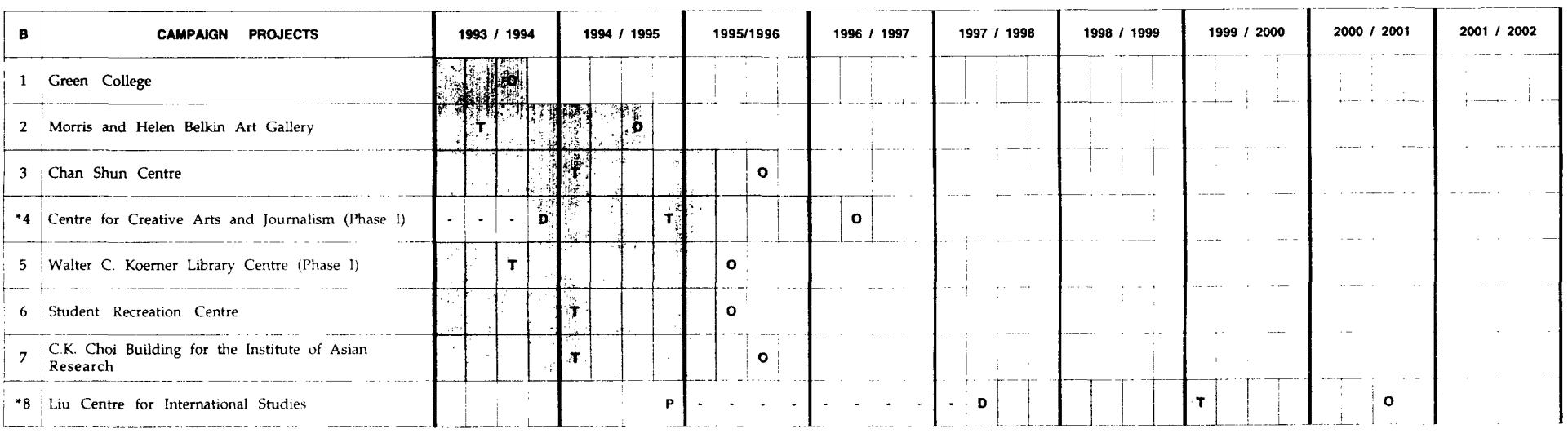
CAPITAL PLAN SUBMISSION 1993/94

PROVINCIAL GOVERNMENT FUNDING

	PROJECT DESCRIPTION	PROJECT BUDGET [$]	OPERATING [$] 1992/93	DESIGN START	TENDER AWARD	CONSTRUCTION START	COMPLETION	COMMENTS
A	**MAJOR CAPITAL PROJECTS**							
12	FACULTY OF LAW EXPANSION An addition to the Faculty of Law will be required in order to house faculty offices, research and support space, as well as provide additional teaching facilities. Project based on: 1. Replacement of the original 1950 building of 2746 m2 (gross); and temporary trailers of 1066 m2 (gross) and temporary trailers of provision of new facilities (4600 m2) 2. Renovate existing facilities (7000 m2) at approximately 25% cost of new facilities.	$13,080,000* (1992)	TBD	1997/04	1998/07	1998/08	1999/12	*Original allowance of $12.7 million (September 1991 dollars) adjusted by 3.0% inflation to Sept 1992.
13	EARTH SCIENCES BUILDING (Phase II) This is a continuation of the project that began in 1994 and will result in demolition of old campus space. It is anticipated that a net assignable area of approx 3,632 and a gross area of approx 6,174 will be constructed in Phase I I. The relinquished space in the Geography Building will be used to house Mathematics to facilitate the development of the Library Centre Phase II. See 1993/94 Facilities Inventory Report for further details.	$11,500,000* (1992)	TBD	1997/04	1998/09	1998/10	2000/08	*Allowance only (September 1992 dollars). $3.0 million removed from 'Instructional Space' - #14 and $8.5 million removed from 'Research Space'- #15 to create this allowance.
14	INSTRUCTIONAL SPACE This project will consist of one or more facilities required in order to address the requirement for adequate instructional space appropriately distributed on campus.	$2,665,000* (1992)	TBD	1997/04	1998/07	1998/08	1999/11	*Current allowance adjusted by 3.0% inflation to Sept 1992 based on an original allowance of $5,500,000 in 1991 dollars less $3.0 million reallocated to #13.
15	RESEARCH SPACE This project will consist of one or more facilities, as yet undefined, which will be required in order to provide updated research space required on the campus. Demolition of some old space will result.	$36,820,000* (1992)	TBD	1998/04	1999/11	2000/01	2001/12	*Current allowance adjusted by 3.0% inflation to Sept 1992 based on original allowance of $44,000,000 in 1991 dollars less $8.5 million reallocated to #13.
16	LIBRARY CENTRE (Phase II) In preparing for Phase I Library Centre development, additional needs were discovered largely due to inadequacies of the Main UBC Library building (itself a collection of four separate structures). It is now urgent that the UBC Library, a provincial and national resource, be re-housed in more environmentally friendly and functionally effective space. At this time, the problem is known to be large but quantification has only just begun. Completion of new Library space will allow demolition of existing inefficient space and the Mathematics Building.	$41,200,000* (1992)	TBD	1999/04	2000/11	2001/01	2003/01	*Original allowance of $40,000,000 (Sept.1991 dollars) adjusted by 3.0% inflation to Sept 1992.
17	BUCHANAN BUILDINGS RENOVATION/UPGRADE (Phase I) Renovation/upgrading of the five wings and tower of the Buchanan complex is overdue at this time, and will be an urgent problem by the turn of the century. It is likely that a phased program over eight to ten years will be required to service these facilities for the future. A major first phase should begin as soon as possible.	$25,750,000* (1992)	TBD	2000/04	2001/09	2001/10	2003/06	*Original allowance of $25,000,000 (Sept. 1991 dollars) adjusted by 3.0% inflation to Sept 1992.
18	CHEMISTRY BUILDING RENOVATIONS Restoration and upgrading of the historic Chemistry Building, located at the heart of the University is long overdue. Completion of this project will enable the preservation of a principle campus facility, the functional reorganization of its space, and the modernization of its services.	$25,750,000* (1992)	TBD	2000/04	2001/09	2001/11	2003/08	*Original allowance of $25,000,000 (Sept. 1991 dollars) adjusted by 3.0% inflation to Sept 1992.

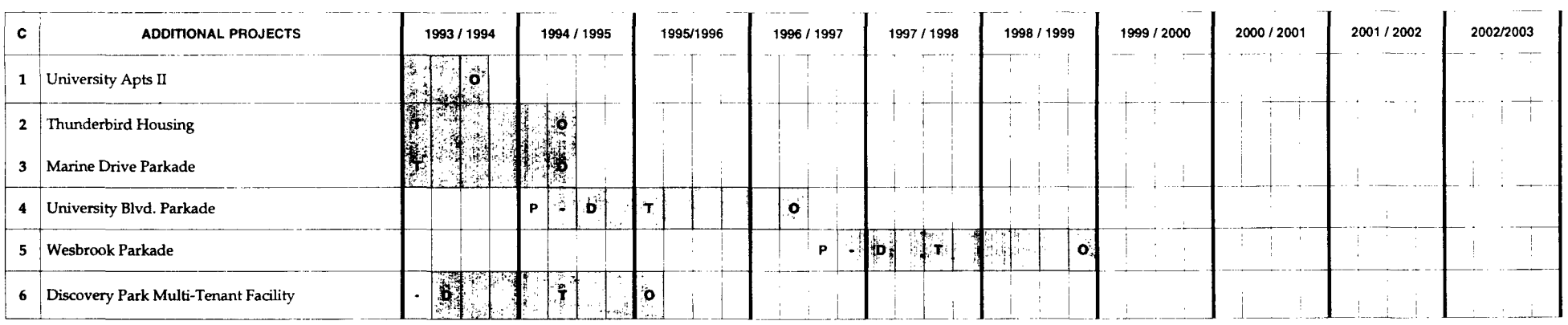
Legend: P = Planning
D = Design Start
T = Tender Period
O = Occupancy Date

CAPITAL PLAN (FISCAL 1992/93 - FISCAL 2001/02
CAMPAIGN (50% PROV. GOVERNMENT FUNDING/50 % UNIVERSITY DEVELOPMENT)
*FUNDRAISING (100% UNIVERSITY DEVELOPMENT)



Legend: P = Planning
D = Design Start
T = Tender Period
O = Occupancy Date

CAPITAL PLAN (FISCAL 1993/94 - 2002/03)
UBC PROJECTS



Note: Description sheets are not provided for this work

THE UNIVERSITY OF BRITISH COLUMBIA

CAPITAL PLAN SUBMISSION 1993/94

UBC CAMPAIGN AND FUNDRAISING

	PROJECT DESCRIPTION	PROJECT BUDGET [$]	OPERATING [$] 1992/93	DESIGN START	TENDER AWARD	CONSTRUCTION START	COMPLETION	COMMENTS
B	**CAMPAIGN PROJECTS**							
1	GREEN COLLEGE This facility will provide residential and resource space for approximately 100 graduate and post doctoral fellows. This complex will play a key role in the development of the University in advanced research and academic initiatives.	$14,000,000*	$121,297 (no cost to GPO)	1990/09	1992/09	1992/10	1993/11	*Project allowance of $14.0 million is expressed in March 1990 dollars. UBC Campaign Contribution is $7.0 million. Provincial Government Contribution is $7.0 million.
2	MORRIS AND HELEN BELKIN ART GALLERY The present UBC Fine Arts Gallery is located in the basement of the Main Library. It consists of approximately 3,000 sq. ft. of low-ceiling display space, with inadequate office, preparation and storage areas. Despite these conditions the Gallery has, over the years, provided a valued program of exhibitions for scholars, tourists and the public. With new facilities the Gallery will establish a more visible presence and enlarge its contribution to the cultural life of the University and Vancouver by providing professionally mounted exhibitions. The proposal for new space meets international standards for display, security, care, handling, conservation and storage of materials and artwork.	$3,000,000*	$81,917 (no cost to GPO)	1991/02	1993/09	1993/10	1994/10	*Original allowance of $3.0 million is expressed in 1989 dollars. UBC Campaign Contribution is $1.5 million. Provincial Government Contribution is $1.5 million.
3	CHAN SHUN CENTRE Currently, the largest facility for performances at UBC is the Old Auditorium, constructed as a temporary building in the 1920Æs. The new Concert and Assembly Hall along with Movie and Black Box theatres will meet the UniversityÆs needs for ceremonial functions, music and theatre programs. With a capacity of 1,400 seats in the larger house and movie and theatre opportunities in smaller houses, these facilities will meet specific needs in Greater Vancouver for a mid-size performance hall, with potential operating cost recovery for the University.	$23,000,000*	$125,965 ($62,982 will be recovered from other income)	1992/08	1994/05	1994/06	1995/12	*Original allowance of $15.0 million has been revised through program adjustment to $23.0 million expressed in September 1989 dollars. UBC Campaign Contribution is $11.5 million. Provincial Government Contribution is $11.5 million.
4	CENTRE FOR CREATIVE ARTS AND JOURNALISM (Phase I) Already noted for its creative achievements in writing, theatre, music and fine arts, UBC needs to expand its ability to contribute to the community in both its established fields and in the areas of increasing economic importance to the province, such as film production. Studio space for the Fine Arts, Music and Theatre departments is inadequate. These departments do not have access to appropriate space to meet their specializied needs. A new Creative Arts Centre will provide efficient, centralized space for workshops, practice, and instruction. An additional component to house a school of Journalism has been added to this project with fund raising support. The project is expected to proceed in 2 phases, the smaller School of Journalism proceeding first. The combination of Phases I and II will result in the demolition of 4,180 gross square meters. See 1993/94 Facilities Inventory Report for further details.	$3,000,000 + $13,000,000*	TBD	1994/01	1995/03	1995/04	1996/08	*Original allowance of $10.4 million has been revised through Creative Arts program adjustment to $13 million expressed in September 1989 dollars. These projects will be undertaken in phases through fundraising. An additional component with assumed cost of $3 million has been joined to this project.
5	WALTER C. KOERNER LIBRARY CENTRE (Phase I) The UBC Library is a provincial and national resource. As B.C.'s primary research library, it is used extensively by professionals from Simon Fraser University, University of Victoria, teaching hospitals, colleges and schools across the province. The information explosion and the development of collections and new technologies has created an urgent need for additional service and storage space.	$24,000,000*	$286,230	1992/02	1993/11	1994/01	1995/09/30	*Original allowance of $24 million is expressed in 1989 dollars. UBC Campaign Contribution is $12 million. Provincial Government contribution is $12 million.
6	STUDENT RECREATION CENTRE This facility is urgently required to accommodate the extensive intramural activities of the UBC Student Community. It is not intended that this replace existing facilities for high performance athletics.	$9,000,000*	$196,398	1992/10	1994/05	1994/07	1995/09	*Project allowance is $9.0 million expressed in September 1990 dollars. Student contribution is $4.5 million and Provincial Government contribution is $4.5 million.
7	C.K. CHOI BUILDING FOR THE INSTITUTE OF ASIAN RESEARCH (Phase I) This project will include resource and research space required to support programs involving Asian Studies as well as an expansion of the Asian Library.	$5,000,000*	$59,937	1993/02/01	1994/05	1994/06	1995/10	*Project estimate is $5.0 million expressed in June 1990 dollars. UBC Campaign contribution is $2.5 million. Provincial Government contribution is $2.5 million.
8	LIU CENTRE FOR INTERNATIONAL STUDIES This project will include central instructional and office facilities to support a major thrust in International Studies. This project represents Phase I with furhter residential phase(s) expected to follow.	$5,000,000*	TBD	1997/06/01	1999/05	1999/06	2000/12	*Project allowance of $5.0 million is expressed in June 1993 dollars. Fund raising efforts will be providing full funding.

THE UNIVERSITY OF BRITISH COLUMBIA

UBC PROPOSED CONSTRUCTION AND DEMOLITION FOR 1993/94 - 2002/03

UBC Proposed Construction	Estimated Completion Date	UBC Proposed Demolition	Estimated Demo. Date
100% Provincial Government Funding			
Jack Bell Labs (VGH)	Nov-94		
Scarfe Building (Expansion/Renovation - Phase I)	May-95	"Hut O-1, Education"	Sept-93
	May-95	"Hut O-2, Botany"	Sept-93
	May-95	"Hut O-21, Soil Sciences"	Sept-93
	May-95	"Hut O-3, Education"	Sept-93
Advanced Materials and Process Engin. Lab	Jun-95	Poultry Products Building	Sep-93
Biotechnology Lab - Phase II	Mar-96	B-8 Huts (Partial)	Sep-96
Scarfe Building (Expansion/Renovation - Phase II)	May-96	"Hut O-26, NITEP"	Sep-96
		"Hut O-4, PP Annex 'A'"	Sep-96
		Counselling Psychology	Sep-96
		Adult Educ. Research Centre	Sep-96
		South Staff Office Block	Sep-96
		Scarfe Annex	Sep-96
Forest Sciences Centre	Jul-96	Forest. & Ag Huts 3 - Forestry	Sep-96
		Communications Trailers (2)	Sep-96
		Forest Harv & Wood Sc Tr	Sep-96
		Forestry Annex	Sep-96
		Forest. & Ag Huts 4 - Forestry	Sep-96
		Forestry Annex '6'	Sep-96
		Forestry Header House	Sep-96
		Apiary/Shed - Plant Science	Dec-96
		For & Ag Huts - Soil Sc. An. #2	Dec-96
		Forest. & Ag Huts - An Sc	Dec-96
		Soil Science Annex '3'	Dec-96
		Plant Science Annex	Dec-96
Chemical/ Bio-Resource Engineering	Dec-96	Bio Resource Eng Annex	Jun-97
		Bio-Resource Trailers (2)	Jun-97
		Chemical Engineering	Jun-97
Earth Sciences Building (Phase I)	Aug-97	Geophysics & Astronomy Bldg	Sept-97
Student Services Centre II (Brock Hall)	Apr-98	Brock Hall (Partial)	Jun-96
Health Sciences Facilities	Oct-99		
Instructional Space	Nov-99		
Faculty of Law Expansion	Dec-99	Brock Hall Annex	Dec-99
		Law Trailer I	Dec-99
		Law Trailer II	Dec-99
		Law Bldg (Old Section)	Dec-99
Earth Sciences Building (Phase II)	Aug-00		
Research Space	Dec-01		
Walter C. Koerner Library Centre (Phase II)	Jan-03	Main Library (N or S Wings)*	
Buchanan Bldgs (Renovation/Upgrade Phase I)	Jun-03		
Old Chemistry Building Renovations	Aug-03		
Tri-University Waste Disposal Facility	TBD		
UBC Projects			
Marine Drive Parkade	Sep-94		
Thunderbird Housing	Sep-94		
Discovery Park Multi-Tenant Facility	June-95		
University Apts. II	Dec-93		
University Blvd. Parkade	Sep-96		
Wesbrook Parkade	Mar-99		
Liu Centre Residence (Phase II)	TBD		
Campaign Projects			
Green College	Nov-93	Graham House (renov.)	Dec-92
		Graham House Garage	Dec-92
		Graham House (partial demo)	Dec-92
Morris and Helen Belkin Art Gallery	Oct-94		
Student Recreation Centre	Sep-95		
Walter C. Koerner Library Centre (Phase I)	Sep-95		
C.K. Choi Building for the Inst. of Asian Research	Aug-95		
Chan Shun Centre	Dec-95	Auditorium	Feb-96
Fund Raising Projects			
Centre for Creative Arts and Journalism (Phase I)	Aug-96	Armoury	Sep-93
		Hut M-21 - Fine Arts	Sep-96
		Hut M-22 - Fine Arts	Sep-96
Liu Centre for International Studies (Phase I)	Dec-00		
Others		West Mall Hut Demolition	
		"Hut O-17, Education "	Sept-93
		"Hut O-20, Key Control Centre"	Sept-93
		"Hut M-35, M-36"	Sept-93
		Hut M-31	Sept-93
		Horticulture Grnhses (partial)	Apr-94

*Further planning necessary to determine if Phase III is required to support demolition of one wing plus South Wing.

THE UNIVERSITY OF BRITISH COLUMBIA

OPERATING COST OF NEW BUILDING SPACE FOR CAPITAL PROJECTS COMPLETED OVER THE SEVEN-YEAR PERIOD 1989-90 TO 1995-96

BACKGROUND

The attached schedule is the first edition presenting the plant operating costs of new facilities. It shows the additional gross area less associated demolitions in gross square meters. Therefore, the additional operating cost is based on the net increase after deducting demolitions. Recovered cost applies to sources of funds such as residence fees for Thunderbird Housing. Please see the explanatory notes at the end of the schedule.

The schedule will be updated as additional buildings are built in future years.

PROJECT/BUILDING NAME	STATUS	COMPLETN DATE	GROSS AREA (SQ. M.)	ASSOCIATED DEMOLITION BLDG. NAME	BLDG NO	DEMO DATE	GROSS AREA (SQ. M.)	NET NEW AREA (SQ. M.)	OPERATING COST($)	RECOVERED COST($)	GPOF NET COST($)
Acadia Park Family Housing	complete	Jun-89	9,340					9,340	381,913	381,913	0
Chemical Waste PCB Storage	complete	Jun-89	119					119	4,866		4,866
Child Care Services	complete	Jun-89	1,881					1,881	76,914	76,914	0
Forest Harvesting & Wood Sc. Trailer	complete	Aug-89	178					178	7,278		7,278
Gas Gun Facility	complete	Aug-89	203					203	8,301		8,301
Chemistry & Physics Building	complete	Aug-89	7,927	Home Economics Bldg			2,049	5,878	240,351		240,351
Audiology & Speech Sc. Trailer	complete	Nov-89	196					196	8,014		8,014
Bio-Resource Eng. Annex 2	complete	Nov-90	234					234	9,568		9,568
Botanical Gardens	complete	Apr-90	1,410					1,410	57,655		57,655
Child Study Centre	complete	Feb-90	1,462					1,462	59,781		59,781
Disability Centre	complete	Jul-90	298					298	12,185		12,185
University Computing Services Annex	complete	Aug-90	321					321	13,126		13,126
Forest Sciences Storage & Greenhouse	complete	Aug-90	208					208	8,505		8,505
Forestry Pilot Plant	complete	Aug-90	258					258	10,550		10,550
Museum of Anthropology Addition	complete	Feb-90	920					920	37,619		37,619
NCE (Bookstore addition)	complete	Oct-91	3,172					3,172	129,703		129,703
Acadia Park Faculty Housing	complete	Nov-91	10,224					10,224	418,059	418,059	0
IBM Law & Computer Ctr. Trailer	complete	Jan-91	533					533	21,794		21,794
Plant Sciences Field Station	complete	Sep-91	147					147	6,011		6,011
David Lam Mgmt. Resource Centre	complete	Mar-92	6,448	Old Bookstore		Sep-91	3,010	3,438	140,580		140,580
Law Trailer 2	complete	Jan-92	503					503	20,568		20,568
Engineering High Head Lab	complete	Sep-92	198					198	8,096		8,096
Ritsumeikan/UBC House	complete	Apr-92	7,030					7,030	287,457	287,457	0
University Services Building	complete	Feb-92	11,076	CPD Inspectors Trailer	327	Mar-93	30	8,647	353,559		353,559
				Hut M-35, M-36	321	Aug-93	312				
				Hut O-20, Key Control Centre	030	Aug-93	126				
				Hut M-31	602	Aug-93	172				
				Hut M-33, PP Garage	634	Jan-92	572				
				Hut M-37, M-38, PP	639	Jan-92	535				
				Hut M-39, PP Mech	642	Jan-92	346				
				PP Vehicle Garage	637	Jan-92	336				
West Parkade	complete	Nov-92	35,488					35,488	70,976	70,976	0
Plant Op. Exterior Storage Shed	complete	Nov-92	681					681	27,846		27,846
Social Work Building	complete	Dec-92	2,979	Graham House (Now charged to Green College)	412	Dec-92	2,789	190	7,769		7,769

PROJECT/BUILDING NAME	STATUS	COMPLETN DATE	GROSS AREA (SQ. M.)	ASSOCIATED DEMOLITION BLDG. NAME	BLDG. NO	DEMO DATE	GROSS AREA (SQ. M.)	NET NEW AREA (SQ. M.)	OPERATING COST($)	RECOVERED COST($)	GPOF NET COST($)
First Nations Longhouse	complete	Mar-93	2,040	Hut O-17, Education	260	Jul-93	150	1,890	77,269		77,269
Student Services Building	complete	May-93	5,633	Arts Hut	474	Mar-91	102	4,592	187,787		187,787
				Brock Hall (partial)	112	Mar-91	939				
Dentistry Building Upgrade	complete	Jun-93	497					497	20,322		20,322
Biomedical Research Centre	complete	Jun-93	3,878					3,878	210,000	210,000	0
CICSR/CS Building	const.	Aug-93	10,204	Vivarium Hut North	925	Nov-91	161	9,483	387,770		387,770
				Vivarium Hut South	924	Nov-91	161				
				Vivarium (partial)	857	Nov-91	168				
				Trailer-Rec Fisheries	384	Nov-91	232				
University Apartments II	const.	Sep-93	13,471					13,471	550,829	550,829	0
Jack Bell Labs (VGH)	const.	Nov-94	7,174					7,174	293,345		293,345
Green College	const.	Aug-93	5,756					5,756	235,347	235,347	0
Marine Drive Parkade	design	Aug-94	30,000					30,000	60,000	60,000	0
Belkin Art Gallery	design	Oct-94	2,003					2,003	81,917		81,917
Thunderbird Housing	design	Aug-94	25,855					25,855	1,057,208	1,057,208	0
Advanced Materials Building	design	Jun-95	8,085	Poultry Products Building	680	Sep-93	537	7,548	308,623		308,623
Student Recreation Centre	planning	Sep-95	4,803					4,803	196,398		196,398
Faculty of Education -Phase 1	design	May-95	2,874	Hut O-1, Education	259	Aug-93	678	317	12,958		12,958
				Hut O-2, Botany	072	Aug-93	286				
				Hut O-21, Soil Sciences	093	Aug-93	268				
				Hut O-3, Education	464	Aug-93	223				
				Counselling Psychology	187	Sep-96	575				
				Hut O-26, NITEP	731	Sep-96	241				
				Hut O-4, PP Annex 'A'	037	Sep-96	286				
Water C. Koerner Library Centre - Phase I	design	Sep-95	7,000					7,000	286,230		286,230
C. K. Choi Bldg. for the Inst. of Asian Research	planning	Oct-95	1,466					1,466	59,937		59,937
Chan Shun Centre	design	Dec-95	5,624	Auditorium	044	Feb-96	2,454	3,081	125,965		125,965
				Old Fire Hall Trailer 1	380-1	Feb-96	30				
				Old Fire Hall Trailer 2	380-2	Feb-96	22				
				Old Fire Hall Trailer 3	380-3	Feb-96	37				

PROJECT/BUILDING NAME	STATUS	COMPLETN DATE	GROSS AREA (SQ. M.)	ASSOCIATED DEMOLITION BLDG. NAME	BLDG. NO.	DEMO DATE	GROSS AREA (SQ. M.)	NET NEW AREA (SQ. M.)	OPERATING COST($)	RECOVERED COST($)	GPOF NET COST($)
Forestry Sciences Centre	design	Jul-96	17,000	Forest Harv & Wood Sc Tr	359	Sep-96	178	15,048	615,321		615,321
				Forest. & Ag Huts 3 - Forestry	361-3	Sep-96	85				
				Forest. & Ag Huts 4 - Forestry	361-4	Sep-96	85				
				Forestry Annex	360	Sep-96	187				
				Forestry Annex '6'	578	Sep-96	134				
				Forestry Header House	866	Sep-96	297				
				Communications Trailers (2)	326	Sep-96	184				
				Apiary/Shed - Plant Science	025	Dec-96	35				
				For & Ag Huts - Soil Sc. An. #2	361-1	Dec-96	85				
				Forest. & Ag Huts - An Sc	361-2	Dec-96	85				
				Plant Science Annex	669	Dec-96	330				
				Soil Science Annex '3'	579	Dec-96	268				
Total All Projects 1989/90 To 1995/96			256,797				19,779	237,018	7,196,272	3,348,703	3,847,569
Less Grants And Income											
Provincial Recurring Grants For Facilities Costs											
1990/91 $319,162											
1993/94 $480,000											
Estimated Operating Income											
Chan Shun Theatre $30,000											
Total $829,162											-829,162
Net General Purpose Operating Fund Cost											3,018,407

Notes

1. Operating cost is based on an average cost per gross square metre of $40.89 in 1992/93 dollars except for parkades which are estimated to cost $2.00 per g.s.m.
2. The Dupre Report recommends that the Provincial Government provide a separate grant funding envelope for net new space to be funded from General Purpose Operating Funds. The Joint Universities' Annual Grant Request will include such a request.
3. Total net cost of $3,018,407 amounts to 0.879% of the 1992/93 General Purpose Operating Fund.
4. Later projects in the University capital plan will be added to this schedule when more information is known.

Ubyssey continues legacy of pranks and controversy

"The vilest rag west of Blanca," otherwise known as The Ubyssey, marked its 75th anniversary this month.

It may be old, but it's certainly not complacent, tired or boring. UBC's student newspaper of record remains the topic of controversy and heated debate. It was ever thus.

"We've been allowing students to express themselves for 75 years," said Ubyssey news co-ordinator, Graham Cook. "We're still here and still being read, so we must be doing something right."

Over the years, the paper has been known for its crusades, whether it is condemning fraternity hazing, advocating the rights of interned Japanese-Canadians during the war, lobbying for a permanent campus for the university or denouncing a plan to ban women from holding student council seats.

Not surprisingly, the paper has always had its share of critics.

In 1955, the Rev. E.C. Pappert called The Ubyssey, "the vilest rag you can imagine and the best argument for censorship that could be produced" — a quote relished by Ubyssey staffers ever since.

Sometimes the criticism has become so vehement The Ubyssey has been shut down and censored. In a recent and controversial move, the paper is now published under the auspices of an AMS-appointed publications board.

The Ubyssey debuted as a weekly student newspaper on Oct. 17, 1918 and quickly became known for its humor, wit and pranks. One Seattle TV station sent a camera crew to UBC after a gag story appeared saying kidnapped heiress Patty Hearst was seen on campus.

Many former Ubyssey staffers have gone on to greater glory, including humourist Eric Nicol, poets Earle Birney and Tom Wayman, politicians John Turner and Pat Carney, and a long list of journalists including Pierre Berton, Joe Schlesinger, Allan Fotheringham, Michael Valpy, Peter Worthington and Stan Persky.

The university has changed greatly in the years since The Ubyssey was first published, when there were just 831 students and the campus was located in temporary buildings in Fairview, but some things never change.

"We've gone from typewriters to word processors but the things that are important to Ubyssey staffers — good writing and investigative journalism, are the same today as in 1918," said news writer Rick Hiebert, who waded through decades of back issues as co-ordinator of the paper's anniversary issue, published Oct. 13.

Charles Ker photo

Pipin' Hot

Retired UBC employee Danny Graham plays the bagpipes at the Plant Operations United Way Oktoberfest party. The UBC campaign has raised two-thirds of its $300,000 goal.

White-coat hypertension said needless health care cost

by Charles Ker

Staff writer

Women falsely diagnosed with high blood pressure during pregnancy are being subjected to undue stress, as is the provincial health care system, says a UBC psychologist.

Prof. Wolfgang Linden is trying to find out just how prevalent the phenomenon of "white-coat" hypertension is among pregnant patients. The white-coat effect refers to the blood pressure of otherwise healthy people shooting up mysteriously in the presence of a physician.

If the condition afflicts would-be mothers at anything near the estimated 25 per cent of non-pregnant individuals, Linden says the associated costs of hospitalizing these women for rest and observation could be astronomical.

"It's distressing to be diagnosed with hypertension even if you aren't pregnant and doubly so if you are," he said.

According to Linden, who has been researching stress and pregnancy since 1987, a false diagnosis of high blood pressure can result in a woman being hospitalized for up to three months prior to delivery at an estimated daily cost of $1,000.

At Grace Hospital, where close to 8,000 babies are born each year, Linden said between six and eight per cent of pregnant women are diagnosed as hypertensive.

Linden added that apart from the personal distress caused by the diagnosis to the mother and the incurred cost, there is also the accompanying stress put on other family members who suddenly find themselves motherless.

Linden hopes to find 20 pregnant volunteers for his study. Participants would wear a small monitor which automatically measures blood pressure at various times during a normal working day. They would also have their pressures checked at the clinic.

A report of the monitoring results would then go to each participant's obstetrician or family physician. Linden pointed out that his study is not offering treatment but is simply trying to improve the quality of the diagnosis.

More than five million Canadians have been diagnosed with the normally symptomless condition of hypertension. If left untreated, however, hypertension can greatly increase the rate of kidney failure, stroke and heart attack.

There is currently no simple method for screening out white-coat hypertension from a normal case of high blood-pressure.

Those interested in more information can call 822-4156.

Classified

The classified advertising rate is $15 for 35 words or less. Each additional word is 50 cents. Rate includes GST. Ads must be submitted in writing 10 days before publication date to the UBC Community Relations Office, 207-6328 Memorial Road, Vancouver, B.C., V6T 1Z2, accompanied by payment in cash, cheque (made out to UBC Reports) or internal requisition. Advertising enquiries: 822-3131.

The deadline for the Nov. 11, 1993 issue of UBC Reports is noon, Nov. 2.

Services

DO IT RIGHT! Statistical and methodological consultation; data analysis; data base management; sampling techniques; questionnaire design, development, and administration. Over 15 years of research and consulting experience in the social sciences and related fields. 433-7807.

STATISTICAL CONSULTING PhD thesis? MSc? MA? Research project? I cannot do it for you but statistical data analysis, statistical consulting, and data management are my specialties. Several years experience in statistical analysis of research projects. Extensive experience with SPSS/SAS/Fortran on PCs and mainframes. Reasonable rates. Call Henry at 685-2500.

EDITORIAL SERVICES Substantive editing, copy editing, rewriting, grant proposals, dissertations, reports, books. I would be delighted to look at your manuscript, show you how I could improve it, and tell you what I would charge. Please call me for more information. Timothy King, 263-6058.

TYPIST Efficient, accurate typist available for preparing reports, resumes, essays, etc. Reasonable rates. Resident in Richmond. Please call 273-6190 or 273-4798.

Bed & Breakfast

GARDENS END Bed and Breakfast in self-contained cottage. Breakfast ingredients supplied. Kerrisdale area. No pets or smokers. $60 single, $15 each additional person. (Maximum four people.) 263-7083.

Accommodation

TORONTO Short-term faculty house rental next to University of Toronto or near subway to York University, January 1 - July 1, 1994. 100-year-old, much loved house on quiet street, friendly neighbours. Spacious, semi-detached, fully furnished, renovated. Two bedrooms, study, 1 1/2 baths, fully equipped kitchen/dining room combined, high-ceilinged living room, fireplace, piano, garden. Parking. No smoking. References. $1700/month. Leave message at 416-977-8329.

Accommodation Wanted

CONDO, APT. OR HOUSE (furnished) needed for January to April 1994, dates flexible. Senior professor, no children, non-smoker, very responsible. Professor Ben Singer, (519) 660-0671 (home) or Sociology Dept., UWO, fax: (519) 661-3200.

News Digest

For the fifth straight year, the Faculty of Commerce and Business Administration has outranked other Canadian business schools in research grants awarded by the Social Sciences and Humanities Research Council in the area of administrative studies and industrial relations.

The faculty received $400,750 in grants for 1993-1996, followed by Concordia with $155,000, McMaster with $142,000 and McGill with $123,900.

The faculty was also number one in the number of grants received with eight, followed by Concordia with five, and McMaster, McGill and Queen's with four each.

• • • •

Rick Hansen's wheelchair odyssey around the world in 1985 is being made into a feature film.

Earlier this month, a Toronto-based production company announced plans to dramatize Hansen's 40,000-km trek for spinal cord research.

Filming is expected to start next year and will deal with the Man in Motion tour as well as Hansen's life following the 1973 accident that left him without the use of his legs.

As first incumbent of the Rick Hansen National Fellowship at UBC, Hansen continues to work as an advocate on behalf of the disabled on a national and international basis.

Hansen will address Faculty of Education students in lecture room 6 of the IRC Tues., Nov. 16, 3:30-5:30 p.m. and in room 200 of the Hennings Building, Nov. 18, 8:30-10:30 a.m.

• • • •

Chair Wilson Parasiuk and senior staff from the B.C. Trade and Development Corporation met with representatives from UBC Sept. 28 in a round table discussion to inform government about UBC activities in Asia and for UBC to hear about the province's priorities and initiatives in the region.

Representatives from the faculties of Commerce and Business Administration, Arts, Law, the centres for Asian Research and for Human Settlements, and the vice-presidents of Research and External Affairs met with the government delegation, which expressed an interest in following up on UBC expertise in many areas of mutual interest.

Hash Kanjee replaces Gail Wilson as UBC' women's field hockey coach. Wilson coached the team through five Canadian Interuniversity Athletic Union Championships. Kanjee has coached men's teams at the provincial and national levels.

Coach inherits winning team

by Abe Hefter

Staff writer

Don't look for any superstars when you're running down the UBC women's field hockey team roster.

There are none, according to head coach Hash Kanjee, which is just fine by him.

"Make no mistake about it, we have some very talented athletes on this team," explained Kanjee. "However, we don't have the ego problems that can be associated with superstar status.

"The players recognize field hockey is a team sport and work hard to help each other. As a coach, I'm very fortunate to be in this position."

Kanjee joined UBC in July after six years with the provincial men's team in British Columbia, and three years with the Canadian national men's squad. If there's one adjustment he's had to make since taking over from head coach Gail Wilson, who guided the team for 16 years, it's this: Team members are students first and athletes second.

"Gail's emphasis was on education rather than recruitment, and it's one I plan to follow," said Kanjee.

"Her success with the team, which included five Canadian Interuniversity Athletic Union championships, is an indication of her strengths as a coach. Gail also promoted the club and its inherent positive athletic and social values for the field hockey player."

With the constant turnover in university athletics, Kanjee says it is difficult to build a championship calibre team unless there are eight or nine players to form the core of the squad in any given year.

"The key is to make sure the remaining six or seven players reach their true potential with help and encouragement from their teammates."

Kanjee feels the 1993-94 edition of the Thunderbirds includes a solid core, with Leslie Richardson, Sam LeRiche, and Heather Matthews leading the way. Lisa Eastman, Laura Prellwitz and Ayra Davy are beginning to hit form, and Heather Andrews and Sarah Franks strengthen the team's offence, he added.

The club's 5-1-2 start to the Canada West season would appear to support that.

"The competition in Canada West is fierce. The University of Victoria, the CIAU champion three of the last five CIAU titles, is always in the hunt. The University of Alberta, guided by national under-21 team coach Dru Marshall, fields a strong club as well."

Despite his team's success this season, Kanjee admits he didn't have an opportunity to work with his players as much as he would have liked to, as a result of the structure of the CIAU season which calls for three Canada West tournaments in the first six weeks of the academic year.

He hopes to implement an annual training program during the off-season to provide some continuity for those athletes who plan to continue to play the game.

The Changing Face of UBC

... a regular column to keep you informed and up to date

Under Construction...Green College: 100 residents moved in. Completion: '93/11 **...Morris and Helen Belkin Art Gallery:** watch for construction activity within the next two weeks at Main Mall adjacent to the Frederic Wood Theatre. Completion: '94/10**...Rose Garden Parkade:** a 950 car underground parkade and complete Rose Garden Restoration. Beside the Faculty Club. Completion: '94/08**...Scarfe Expansion & Renovation (phase I):** expansion of the Teacher Education Office and excavation for the new Education Library. At the corner of Main Mall and University Blvd. Ongoing construction and renovation until '95/05**...Thunderbird Student Housing:** along Thunderbird Blvd. Completion '94/08.

Complete...CICSR/CS: Centre for Integrated Computer Systems Research/Computer Science. At the end of Main Mall at Agronomy.

Demolitions...One of the basic planning objectives in the UBC Capital Development Program is the removal of temporary trailers and huts from the post war years for new facilities. In September the **Botany**, **Education**, and **Soil Sciences** hut demolitions occurred to make way for the Scarfe Expansion; the **Key Control Centre** and three huts along West Mall for future projects; and the **Armouries** building for the construction of the Creative Arts and School of Journalism project. The demolition of this building is unique as it involves careful deconstruction to salvage the large timbers and flooring for the new C.K. Choi Building for Institute of Asian Research.

Infrastructure Projects...Roads: Upgrades to Wesbrook Mall, Thunderbird Blvd, Health Sciences and West Mall. **Lighting Pilot Project:** Agricultural Road. Will light the walkway from the Student Union Building, along Agricultural Rd, past the First Nations House of Learning to Place Vanier Residences. This project will act as an example for all future campus lighting. Watch for construction to begin in December.

Project Information Meeting...Topic: Student Recreation Centre, November 1, 1993, 12:30 - 1:30, SUB, Room 212.

Information compiled by Campus Planning & Development. For detailed information contact: K. Laird-Burns, 822-8228, or 3-0811. E-mail:laird@unixg.ubc.ca or "View UBC".

People

by staff writers

Tony Warren, a professor in the Dept. of Microbiology and Immunology and a member of the Protein Engineering Network Centre of Excellence, is the 1993 recipient of the New England BioLabs Award.

Presented by the Canadian Society of Microbiologists, the award is sponsored by the Canadian division of New England BioLabs, an international company specializing in the development of products for molecular biology.

Warren has made major contributions at both the fundamental and applied levels in the understanding of cellulases, an important class of enzyme.

The award was presented for the first time last year, when it was won by Bob Hancock, also a UBC microbiologist and scientific director of the Canadian Bacterial Diseases Network Centre of Excellence.

• • • •

Prof. Gene Namkoong, head of the Forest Sciences Dept., has been awarded the Marcus Wallenberg Prize for scientific research in forestry.

Namkoong

Namkoong was cited for his groundbreaking contributions to quantatative population genetics, tree breeding and management of genetic resources, which form a solid scientific basis for the maintenance of biological diversity in forests around the world.

It's believed his development of models for breeding many forest populations simultaneously will be important in the development of the earth's forest resources and forest conservation.

Namkoong received his doctorate in genetics at North Carolina State University. He has served in a number of genetic research capacities with the Forest Service of the U.S. Dept. of Agriculture and was a professor of genetics, forestry and biomathematics at North Carolina State University before joining the Faculty of Forestry at UBC.

He is the author of more than 150 scientific papers in the field of forest genetics.

The prize, worth $168,000, will be presented to Namkoong in the fall of 1994 in Stockholm, Sweden. The award was established in 1980 by Stora Kopparsbergs Bergslags Aktiebolag of Sweden to honour Dr. Wallenberg, a former company chair.

• • • •

Ron Dumouchelle, director of Development, has been elected to the board of the Canadian Council for the Advancement and Support of Education (CCAE) as vice-president for the 1993-94 academic year.

Dumouchelle has been a member of the board for the past three years and with the university since 1988. Prior to that, he was campaign director with the United Way of Windsor-Essex County in Ontario.

The CCAE represents alumni, development and public affairs professionals at more than 150 universities and colleges in Canada.

Vancouver Foundation celebrates anniversary

The Vancouver Foundation, which has contributed a total of $4 million to UBC's World of Opportunity fund-raising campaign, will celebrate its 50th anniversary with an entertainment showcase and dinner at the Vancouver Trade and Convention Centre Nov. 9.

The foundation, which provides community assistance in the areas of education, health, welfare, youth, the environment, the family, and arts and culture, donated $3 million to the President's Opportunity Fund and $1 million to the Disability Resource Centre.

The foundation grants an average of $1 million a year toward medical research projects at UBC, and approximately $100,000 yearly toward scholarships and bursaries for students studying at UBC.

"The Vancouver Foundation's generous donation to the campaign was key in encouraging strong support for the opportunity fund, particularly from alumni," said President David Strangway.

"The foundation's significant donation helped establish the Disability Resource Centre, the first of its kind in the world, and an important resource for both the campus and the community.

"We congratulate the Vancouver Foundation on its half-century of work to improve the quality of life in the community."

The Vancouver Foundation Society was formed in 1943, with an initial contribution by W.J. VanDusen, who recognized that a changing society would mean changing needs. He envisioned a permanent endowment, the income from which, would provide funds to a wide range of charitable causes across British Columbia.

The society became the Vancouver Foundation in 1950. VanDusen and nine other generous donors provided the base for what has become one of North America's largest community foundations.

Fifty years after its inception, the foundation is the custodian of some 500 permanent and perpetual funds with capital of $345 million.

Forum

Campus needs to welcome women

by Florence Ledwitz-Rigby

Florence Ledwitz-Rigby is the advisor to the president on women and gender relations and chair of the President's Advisory Committee on Safety. She recently conducted a survey designed to gauge the social and professional climate for women faculty at UBC.

Many women at UBC perceive the climate for them to be lukewarm if not quite chilly. Focus groups of faculty, librarians, management and professional staff, as well as interviews with union members, indicate several areas of concern.

Issues common to all workers including salary, pensions and job security are important to women at UBC. Many feel that they are particularly disadvantaged in these areas. Concern about personal safety is also high on the list of all the groups surveyed, while the need for mentoring and more information about what is required for career advancement was identified by faculty, management, custodial and clerical workers.

Ledwitz-Rigby

Women responding to the questionnaire indicate that they feel excluded by their male colleagues from informal activities, such as discussions and mealtimes, and that their jobs do not provide opportunities for contact with other women.

The survey of faculty women identifies inadequate social resources as another significant problem. Respondents view mentoring, appreciation of research specialty, informal advice, collegial respect and opportunities for leadership to be less available to women than men. Women's greater interest in interdisciplinary studies was suggested as a reason behind the lack of appreciation for research specialty.

While 54 per cent of the respondents agree with the statement "I have felt welcomed and accepted as a faculty member," 30 per cent disagree. Female faculty have the impression that male colleagues are more frequently included in informal social gatherings and invited to collaborate on research projects with senior faculty.

Information such as where to apply for grants, where to publish and how to earn tenure appears to be shared more often with men. Several respondents report arriving at meetings to discover that important departmental issues had been settled in discussions from which they were excluded. However, women in units with a female majority such as the Library or School of Nursing experience a more supportive collegial environment.

Backlash, comments about political correctness and ridicule of women's issues contribute to the impression of a non-supportive climate. Lack of respect for faculty women, female students and staff, exploitation of sessional instructors, safety concerns and attitudes unfavourable to family responsibilities add to the picture.

Women faculty, clerical and custodial workers speak of being intimidated and verbally harassed by male co-workers and students. Behaviours such as sexist language, humour or comments, not taking women seriously and expecting women to behave in stereotyped ways, such as passive or deferential, are experienced on campus by the majority of the respondents to the survey and by many of the female staff who were interviewed.

Faculty women are more positive when asked to rate their own academic units for the fairness with which women are evaluated compared to men, and in regard to the fairness of the distribution of tangible resources such as supplies, equipment and space between genders.

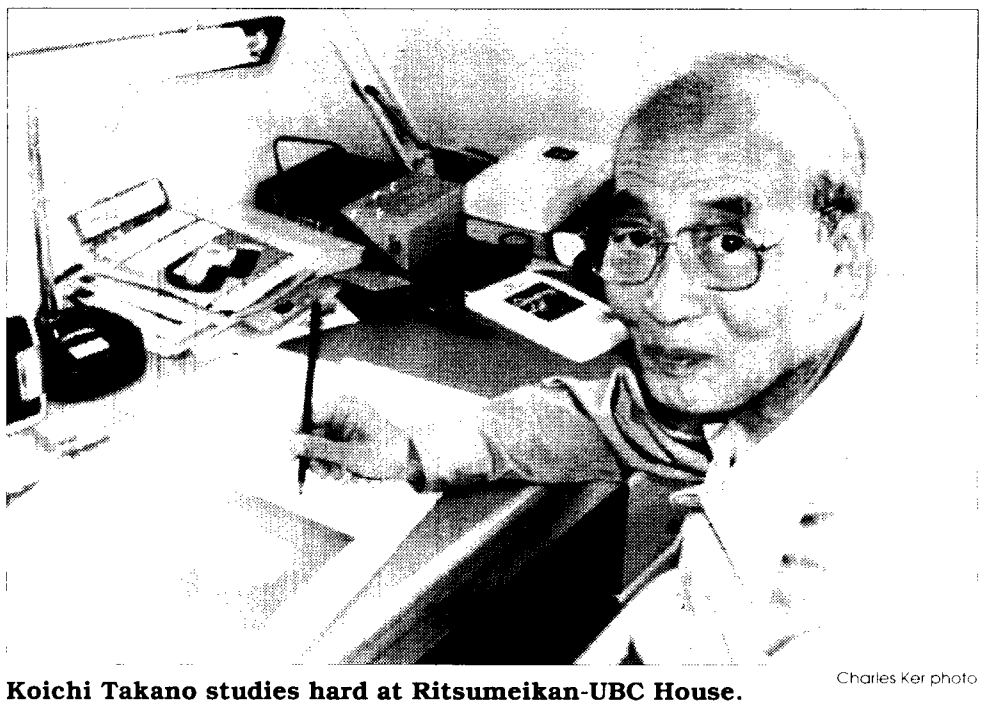
A number of individual academic units are cited as providing positive environments for women. Specific deans and heads of both genders are described as being personally responsible for the positive climate.

On many issues regarding individual units, librarians express a greater degree of satisfaction than faculty. Again, the quality of leadership is an important factor.

The positive aspects of the climate for women at UBC need to be extended. The problems cited are common to members of any group on campus whether defined by gender, race, language, disability or sexual orientation. Raising awareness at the university about the isolation felt by all groups may increase their voluntary inclusion in informal gatherings.

Senior faculty and staff should be encouraged to share their knowledge about the university and their professions with all new colleagues. Providing formal programs for mentoring and career development for all would ensure that no one is left out. Expanded education about the nature and impact of sexist behaviour, flexibility and understanding regarding the balance of career and family responsibilities and the improvement of personal safety on campus would all help to warm the climate for women.

Enhanced efforts at networking by university women have already begun. The university has made a good start by hiring many qualified women. To ensure its investment in them, it needs to make an additional effort to provide a more supportive environment in which all can achieve.



Koichi Takano studies hard at Ritsumeikan-UBC House. Charles Ker photo

Japanese "mature" student sets example

by Charles Ker

Staff writer

A faint rock-and-roll beat thumps outside Ritsumeikan-UBC House as Koichi Takano, slippers on and books in hand, pads quietly down the hall to his dorm.

Even Friday sunshine, curiosity and a good cause couldn't lure the 62-year-old exchange student to the United Way Oktoberfest party in a neighboring parking lot.

No, it was time to hit the books, again.

"He studies very hard, every day," says Eiichi Kuroda, one of Takano's three, twenty-something room-mates. "He's a good influence."

Takano and Kuroda are among 93 second- and third-year students from Japan's Ritsumeikan University sharing 50, four-bedroom apartments with Canadian counterparts. Despite having nobody close to his age in the UBC/Ritsumeikan Academic Exchange Program, Takano says he's very comfortable in his surroundings.

"Here, I'm always having fun," said Takano, seated in the sparsely furnished living room. "Mentally, I feel very strong and very young."

It isn't the first time Takano has left his wife, an elementary school teacher in Kyoto, to pursue higher education. Earlier this year, he spent five weeks on an exchange program in Illinois to improve his English.

Majoring in Japanese history, Takano returned to university in 1991 after a 40-year career at the Matsuzakaya Department Store in Kyoto. Hard economic times forced him to drop out of the National Tokyo University of Foreign Studies in the early 1950s. He vowed to finish his degree when he retired.

UBC's three-year-old academic exchange program, co-developed and taught by UBC instructors and visiting professors from Ritsumeikan, has three components: language education courses conducted in a sophisticated language lab in the residence's basement, cross-cultural courses in the Faculty of Arts and related field work.

A quarter of the way through his eight-month stay, Takano has written papers on the Museum of Anthropology, the influence of Confucianism on modern Japanese Society and a detailed report on Vancouver's Chinatown. He's currently wrestling with a 15-page essay outlining the changing status of Japanese immigration on Vancouver and another on the difference in verbal communication between Canada and Japan.

And how does he sustain himself?

When Eiichi emerges from the kitchen with two meticulously built cheeseburgers, Takano confides that his own culinary skills are limited to boiled oatmeal in the morning. He prefers to dine at Totem Park cafeteria.

Home cooking may be on the menu for Christmas when his wife visits for two weeks. Apart from sharing favourite walks around the University Endowment Lands, Takano has planned a trip to Yellowknife for a glimpse of the aurora borealis.

Said Takano: "I already have many vivid impressions of Canada and still many more to look forward to."

Plagiarism on rise at UBC

by Charles Ker

Staff writer

Plagiarism, the most heinous of intellectual crimes, is on the rise at UBC.

A growing number of students accused of taking the thoughts and words of others and passing them off as their own have prompted the Faculty of Arts to produce a 10-page pamphlet, Plagiarism: What It Is and How To Avoid It. The bright, red document is sold at the Bookstore for 50 cents.

"It's a terrible problem given that many of these people don't really understand what it is they've done wrong," said Peter Simmons, a member of the President's Advisory Committee on Student Discipline. "Even after speaking with them about it, a few still don't understand."

Simmons, a professor in the School of Library Archival and Information Studies, said much of the problem stems from the fact that many campus plagiarists come from cultures where copying something which fits the assignment is seen as resourceful, not dishonest.

While he wouldn't comment on the number of plagiarism cases the advisory committee handles each year, Simmons did say the problem is escalating and would probably continue to do so if class sizes keep growing.

"Often students in classes with more than 100 feel anonymous and that their work will not be treated as that of an individual," said Simmons. "Although some know better and are simply dishonest, others come from educational systems where they've never been taught to take notes and don't know how to credit others."

Penalties for plagiarism include losing credit for an assignment, receiving a mark of zero in the course and suspension from the university for as little as a term or as long as a couple of years. In its introduction, the plagiarism pamphlet warns that most cases handled through the dean's office result in at least a temporary suspension (noted on the student's transcript) and a mark of zero.