THE UNIVERSITY OF BRITISH COLUMBIA

UBC REPORTS

Volume 41, Number 20 November 30, 1995

Crawlies Not Creepy

Entomologist Karen Needham of the Dept. of Zoology lets her Australian leaf insects (*Extatosoma tiaratum*) out for a romp. Other occupants of her office include: Miss Muffet, a pink-toed tarantula; Elvira III, the black widow spider and a pair of African praying mantis named Bonnie and Clyde.

Charles Ker photo

Campus network spurs technological initiatives

by Charles Ker

Staff writer

They're called Evaporating Gaseous Globules and it is from these EGGs that newborn stars are hatched.

By coincidence, UBC astronomer Jaymie Matthews had just finished explaining current theories about the origin of stars and planets to first-year students when news arrived that the Hubble Space Telescope had obtained detailed images of EGGs on the edge of a vast star-forming cloud 7,000 light years away.

Within days Matthews had pulled the spectacular colour images of the cloud, known as the Eagle Nebula, off the World Wide Web and presented them, fresh from orbit, to his Astronomy 101 class.

"Translating our earthbound view of the night sky with only static overhead transparencies and clunky old plastic and cardboard models was a teaching nightmare," says Matthews. "Computer simulations and electronic images make it easier for students to understand what I'm talking about. It makes it more fun for them to learn and for me to teach."

For more than two years, the assistant professor has been introducing multimedia technology into astronomy classes and labs to make arcane concepts such as star formation more accessible. Through the use of laser discs, video and liquid crystal display (LCD) panels, he successfully makes abstract ideas come alive.

Matthews is one of several professors in the Dept. of Geophysics and Astronomy who are applying technology-enhanced instruction (TEI) developed at UBC for use on campus and in B.C. secondary schools.

TEI projects are among 30 initiatives, worth $1.3 million, submitted to the province for the 1995/96 Skills Now! Innovation Fund program.

Last year, the university received $2.67 million from the provincial government in support of its Innovation Fund submission titled "An Integrated Plan to Extend and Improve University Instruction to British Columbians." The plan consisted of an initial 33 projects and has sparked a campus-wide drive to improve the human skills needed to apply new digital media and the critical networking infrastructures which deliver multimedia services.

Spearheading the "Integrated Plan - Year 2" is a core group of faculty and staff which oversees UBC's Media Resources Network (MRN) at the Media Services TELEcentre.

Margaret Ellis, MRN co-ordinator, says the network emphasizes campus collaboration to ensure efficient and effective use of the limited media resources available.

"We have to maximize what we already have in terms of human resources at the same time as building up our networking infrastructure," says Ellis.

Ellis points to the efforts of UBC's Centre for Faculty Development and Instructional Services as a good example of the kind of collaboration the MRN promotes.

Working with the Media and Graphics Interdisciplinary Centre (MAGIC), Continuing Studies and the MRN, the centre has conducted eight instructional technology seminars this year attended by 238 faculty from 70 departments. An additional 200 faculty, staff and students have attended four multimedia seminars held by the MRN. And the waiting lists for future seminars keep growing.

Barry McBride, dean of Science, heads the MRN steering committee and cautions that while there may be a great deal of enthusiasm for technological initiatives on campus, enthusiasm only goes so far.

"Having software is one thing," McBride says. "Our big stumbling block is having

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Bressler appointed new V-P, research

Bernard Bressler, professor and head of the Dept. of Anatomy, has been named vice-president, Research for a four-year term that begins Jan. 1.

As vice-president, Bressler will be responsible for promoting and administering research including increasing university-industry linkages within the university and throughout the community and developing commercial applications of university-based research.

UBC faculty currently receive more than $125 million in research grants and contracts annually and conduct more than 60 per cent of all research done in B.C.

"Bernie Bressler is a top researcher with a keen understanding of the complex issues facing our talented research community. His insight and energy will benefit all our faculty in the sciences, social sciences and humanities," said UBC President David Strangway.

Bressler

Bressler obtained his BSc from Sir George Williams University (now Concordia) in Montreal and an MSc in anatomy and a PhD in physiology from the University of Manitoba.

After post doctoral studies in the Dept. of Neuroscience at McMaster University, he took his first academic position at the University of Saskatchewan.

Bressler joined UBC's Anatomy Dept. as an assistant professor in 1976.

As an active research scientist, he has been funded by the Medical Research Council of Canada for 23 years. He is a muscle biophysicist whose research has contributed significantly to the development of the cross-bridge model to explain how force is generated in skeletal muscle. Bressler's laboratory has also studied the biophysical and structural alterations of skeletal muscle in neuromuscular disorders such as muscular dystrophy.

At UBC, Bressler has performed many administrative and academic duties, including a previous position in the office of the vice president, Research as associate vice-president for the Health Sciences.

He has also served as a member of the UBC Senate and as associate dean, Research and Graduate Studies in the Faculty of Medicine.

Bressler has held numerous professional positions, including president of the Canadian Association of Anatomists and the Canadian Federation of Biological Sciences. He has also held positions with SPARK (Strategic Planning for Applied Research and Knowledge), the economic development arm of the Science Council of B.C. He has served as a member, scientific officer and, most recently, chair of the Cell Physiology Committee of the Medical Research Council of Canada. Currently, he is MRC regional director for UBC.

Martha Salcudean, associate vice-president, Research, has been vice-president, Research, pro tem, since the departure of Robert Miller in September, but chose not to stand as a candidate for the position. She postponed her departure from the office of vice-president, Research, until the new appointment had been made and will be on administrative leave in 1996.

Scholarship memorial to scientist's commitment

by Stephen Forgacs

Staff writer

Wood Science Prof. Paul Steiner's commitment to education and his field is being commemorated by his friends and colleagues through the creation of an undergraduate scholarship in his name.

Members of the Dept. of Wood Science have pooled their resources to create an endowment fund in memory of Steiner, who died May 10 at age 50. The fund, including a $5,000 donation from Canadian Forest Products Ltd. (CANFOR) and gifts from graduate students, industry

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Technology

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the equipment to use it."

A recent presentation by Maria Klawe, vice-president, Student and Academic Services, to the UBC Board of Governors, outlined some possible campus infrastructure targets: each faculty and staff desk equipped with an up-to-date (less than four years old) computer connected to the net; all faculty, staff and students having e-mail and access to the Internet; all students owning computers; and ports in campus buildings for connecting student computers with a desired ratio of one port to 10 students.

This wish list is counterbalanced by current campus facts.

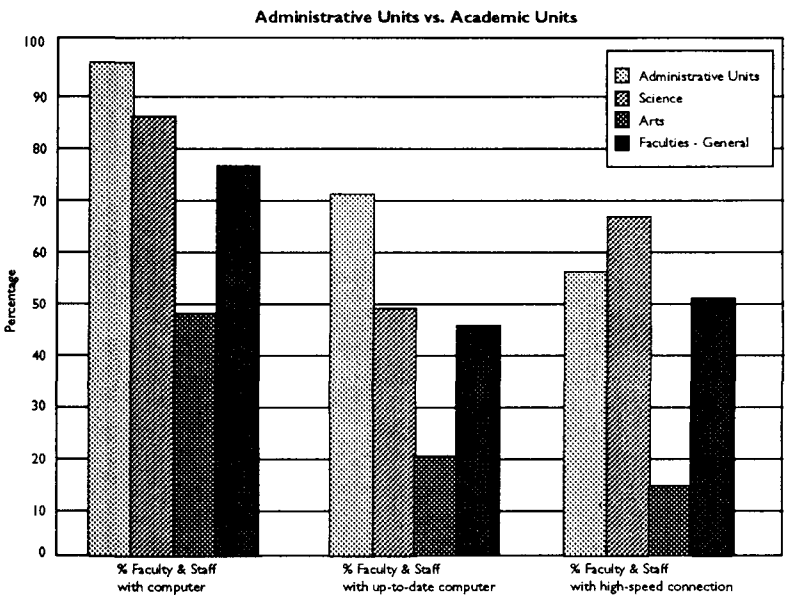
A survey Klawe conducted last summer shows the ratio of ports to students is presently one to 20. Of 80 major buildings on campus (including the library and Continuing Studies labs) about one-quarter have undergraduate computer labs. Computers in undergraduate labs number about 1,500 with approximately two-thirds having an Ethernet connection.

The survey also found that administrative and academic service units are generally better equipped with computers and better connected electronically than academic units.

Klawe says rapid changes in technology make it difficult to estimate how much it would cost to attain the targets set out in her report. Rough estimates indicate one-time costs might range from $10-$25 million, with new recurring costs of $5-$10 million. Klawe says this level of funding can only be achieved through trade-offs with other important university priorities—decisions which need to be made by the university community as a whole.

Klawe has assembled a broad-based Advisory Committee on Information Technology (ACIT) to decide what targets are realistic and desirable and how they might be achieved. The committee will be seeking input from the campus on how best to close the gaps between what people have and what they need.

As for Matthews, he acknowledges that it's difficult to keep pace with the changing technology used to incorporate multimedia in the university classroom. Still, he insists the effort is worthwhile, especially at the first-year level.



Findings of a recent campus survey suggest the availability of computing technology varies greatly, not only between administrative and academic units, but between faculties.

Matthews believes that it is often a let-down for students arriving at university to encounter old-fashioned teaching tools like chalkboards and overhead projectors housed in inadequate lecture halls. But, he adds, "if they can see computer simulations in class, or results from an observatory halfway around the world or above it in real time, that's when they get a sense of being at the cutting edge of research and education."

Correction

- UBC has been awarding honorary degrees since 1925. The year was incorrectly reported in the Nov. 16 issue of *UBC Reports*.
- Numerous departments on campus donated items for Creative Writing's United Way rummage sale held Oct. 31 - Nov. 1 and not as prizes for the 50-50 draw as was stated in the same issue.

Scholarship

Continued from Page 1

colleagues and friends, now contains more than $20,000 and will generate an annual scholarship of $1,700 for a second or third year student in the Faculty of Forestry's new Wood Science undergraduate program.

Steiner

Louisa Steiner said her husband was told of the scholarship before he died and said he was particularly happy to hear it would go to undergraduate students.

"Paul was thrilled that (the scholarship) was for undergraduate studies because that will help bring people into advanced research," she said.

Prof. David Barrett, head of the Dept. of Wood Science, said faculty members felt the Paul Robert Steiner Memorial Scholarship in Wood Science was a good way to remember Steiner while also recognizing his interest in encouraging students to study wood science and technology.

Steiner had a long history of working closely with industry and was internationally recognized for his contributions and pioneering research in the fields of wood adhesives and wood composites technology.

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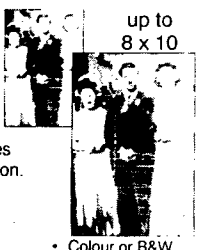

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Gavin Wilson photo

Happy Holidays?

Even Santa looks stressed. Students at Speakeasy, the AMS's peer counselling centre, were painting Christmas decorations on their offices as soon as Halloween was over. Shown here, student volunteer Suzanne Harrington puts on the finishing touches. Speakeasy is open most days for students who need to talk to someone about any number of problems, including holiday blues, exam stress, eating disorders, alcohol and drugs, relationships and homesickness.

Maclean's ranks UBC number 2

UBC has a reputation for being second to only one, according to the 1995 *Maclean's* magazine annual survey of Canadian universities.

The survey, released Nov. 13, says UBC has the second-best overall reputation in the category of post-secondary institutions offering medical and doctoral programs. Kingston's Queen's University ranked number one.

In the same category, *Maclean's* puts UBC among the top five universities with a winning reputation for highest quality, innovation and leadership.

The magazine bases its results on a survey of 3,402 high school guidance counsellors, academic administrators and CEOs of major corporations across Canada.

Top marks in the category for overall ranking—which measures factors such as class size, alumni support, operating budget and faculty awards—went to the University of Toronto for the second consecutive year, followed by Queen's University which has held second spot for three years. McGill University placed third. This is the fourth consecutive year that UBC has been fourth in the overall ranking.

The University of Victoria was leader of the pack in *Maclean's* comprehensive category—a ranking of those universities that offer a range of undergraduate and graduate programs. Simon Fraser University placed second.

New Brunswick's Mount Allison University was first among primarily undergraduate institutions.

This year's survey included 39 universities, or 93 per cent of all English-language universities in Canada. Eleven universities did not participate in this year's survey, including eight francophone institutions.

Offbeat

by staff writers

A quarter of the way through the 34-page booklet, *A Handbook for UBC History Students*, Prof. Ted Hill gets to a topic that hits close to home.

Under the title "What Do Historians Do All Day?" Hill outlines the many obligations of faculty during the teaching term and their research, writing and reading during the rest of the year, especially summers and sabbaticals.

"Few students will know as much about these activities as they should," he says. "A considerable number will ask during their subsequent lives, as during their university years, whether at the end of term in the spring, we have any plans for our vacation, as if the entire period from May through August was a vacation for faculty."

This is but one lament in the booklet's 1995 edition which seeks to "help students in all four years of the history department's courses by providing them with basic and practical information."

After giving a straightforward introduction about what history is, Hill goes on to delineate the various varieties of history, divisions of history and a breakdown of faculty members and their interests.

On the practical side, the booklet provides information on writing term papers, compiling a bibliography, writing examinations and study or work abroad.

Before offering advice on how best to take notes in class, Hill offers this humourous harangue:

"Every year some students dutifully or out of interest sit through our lectures without taking any notes. Some of us who lecture can perhaps at first believe that they have total recall of whatever they hear and are so confident about this admirable capacity that they will not waste paper. Unfortunately it is never so. These students always turn out to have the same problems as other normal human beings in recalling what they have heard. Most of the content of an average lecture is lost to them the moment they leave class, or at best a few hours or lectures later in the same day."

Apart from their obvious usefulness in studying for exams, Hill also points out that taking notes keeps students awake, makes them concentrate and "indeed alert to whatever the lecturer is saying."

Proceeds from the sale of the $3 handbook help fund the Soward and Upton Prizes for first-year history students.

Physicians pool HIV resources

UBC is participating in a new initiative to create a national network of physicians caring for people living with HIV and AIDS.

Main objectives of the Canadian HIV Care-giving Physician Network (CHAP) include the publication of a network directory, said Dr. Robert Hogg, an assistant professor of Health Care and Epidemiology and CHAP project co-ordinator.

"The development of a national directory of HIV care-giving physicians will enable doctors to access advice on HIV care and treatment, and enhance and facilitate peer support between members of the profession working in the field," he said. "It may also serve as a useful resource for referring patients who are moving or travelling within Canada."

Listing in the directory will be voluntary for all CHAP registrants. Each network member may receive a copy of the book, regardless of whether their name appears.

CHAP also hopes to provide information about continuing medical education events and mentorship programs which help train doctors in the management of HIV- and AIDS-related illnesses, and about clinical trials of drug therapies which may be useful in treating HIV and AIDS, Hogg said.

He estimates that 3,500 doctors across Canada are eligible to participate in the network which he expects to be established by May 1996.

"CHAP will give HIV care-giving physicians a national voice on issues related to HIV and AIDS care and treatment through surveying its membership," Hogg said.

CHAP is a collaborative effort among UBC, St. Paul's Hospital and the B.C. Ministry of Health. Funding for the project is being provided by Health Canada and the National AIDS Contribution Program of the National AIDS Strategy Phase Two.

Physicians may register with the network or request more information by calling 631-5516 or faxing 631-5464.

Centre expands medical research opportunities

The Jack Bell Research Centre—hailed as the latest milestone in the 45-year working relationship between UBC and Vancouver Hospital and Health Sciences Centre—was officially opened Nov. 20.

The centre will be operated in partnership to provide facilities for cancer biology, neuroscience, immuno-transplant and trauma research.

UBC President David Strangway said the centre will further expand and enhance UBC's already extensive medical research program. It is one of the ways UBC's Faculty of Medicine and Vancouver Hospital are increasing their mutual co-operation.

The centre was funded by the B.C. government through the Ministry of Skills, Training and Labour with a major contribution from Vancouver philanthropist Jack Bell, who helped finance the original construction of the centre.

Bell is a long-time supporter of both the hospital and the university.

The provincial government's contribution of $6.25 million enabled UBC's Faculty of Medicine to complete and occupy four floors of the centre, which is located at Vancouver Hospital.

This will provide opportunities for scientists and physicians who are members of both institutions to create new knowledge, stimulate new industries and provide high-value jobs.

Scientists at risk must act: Perry

Medical researchers in B.C. must stand up and be counted or risk losing grant funding to government cuts, warns MLA Tom Perry (NDP-Vancouver-Little Mountain).

Scientists are facing two potential sources of cuts—at the federal level to the Medical Research Council budget and to the provincially funded B.C. Health Research Foundation, he said.

"Scientists have historically been too diffident," said Perry. "We need to get the message across to politicians of all stripes that medical research is an essential service."

Perry made his remarks at the opening of the Jack Bell Research Centre.

He said that while B.C. can now boast an excellent physical infrastructure, such as the Bell lab, the province's intellectual infrastructure is "extremely vulnerable."

Calendar

December 3 through December 16

Sunday, Dec. 3

Performance
Dirty Dog River. Originally commissioned by BC Puppets Against AIDS. MOA, 2-3pm. Free with museum admission. Call 822-5087.

Monday, Dec. 4

Seminar
Gut Development In The Nematode Caenorhabditis Elegans. Dr. Jim McGhee, Dept. of Medical Biochemistry, U of Calgary. IRC#4, 3:45pm. Refreshments at 3:30pm. Call 822-9871.

Seminar
From Love Scents To Hot Hell - Maize Stem Borer Projects In Africa. Peeter Pats, Swedish University of Agricultural Sciences, Uppsala. MacMillan, 318D, 12:30pm. Call 822-9646.

Psychology Colloquium
The North American Polygraph And Psychophysiology: Disinterested, Uninterested, And Interested Perspective. John J. Furedy, Prof. of Psychology, U of Toronto and president, Society for Academic Freedom and Scholarship. Kenny psychology lounge, 12:30pm. Call 822-2755.

Green College Speaker Series
The Voltaire - Mill Perspective on Academic Freedom Versus The Culture Of Comfort Conspiracy On Canadian Campuses: A Wake-up Call On The Academic Community. John Furedy, Prof. of Psychology, U of T and president, Society for Academic Freedom and Scholarship. Green College recreation lounge, 4-5:30pm. Call 822-6067.

Green College Video Presentation
Mixing Messages: Meddling With Media. Katherine Dodds, video producer, SHE TV. Green College recreation lounge, 7:30-9pm. Call 822-6067.

Tuesday, Dec. 5

Dept. of Animal Science Seminar Series
Ovarian Follicular Dynamics In Cattle. Mohan Manikkam, PhD candidate, Dept. of Animal Science. MacMillan 158, 12:30pm. Refreshments. Call 822-4593.

Medical Genetics Departmental Seminar
The Impact Of Endogenous Retroviruses On The Human Genome. Dr. Dixie Mager, associate prof., Medical Genetics. Wesbrook 201, 4:30pm. Refreshments in 226, 4pm. Call 822-5312.

Seminar
Energy-Use And Behaviour Of Up-River Migrating Fraser Sockeye. Scott Hinch, Westwater Research. BioSciences 1465, 3:30pm. Call 822-2821.

Seminar
Effective Questioning Skills. Marion Pearson, Instructor, Div. of Pharmaceutics and Biopharmaceutics, Faculty of Pharmaceutical Science. IRC#3, 12:30pm. Call 822-4645.

Scholarly Colloquia
Overview Of Community Research Funding Opportunities Available Through The British Columbia Health Research Foundation. Chris Crossfield, Program Co-ordinator, BC Health Research Fdn. Vancouver Hosp/HSC UBC Pavilion, T206, 4:30-5:30pm. Call 822-7453.

Lectures in Modern Chemistry
Molecular Conformation, Recognition, And Photochemistry: The Amide Connection. Prof. Fred Lewis, Dept. of Chemistry, Northwestern U, Chicago, Ill.. Chemistry, D200 (centre block), 1pm. Refreshments from 12:40pm. Call 822-3266.

Green College Writer in Residence
Seferis And Neruda: Two Voices, The Earth. Karen Connelly, poet. Green College recreation lounge, 7:30-9:30pm. Call 822-6067.

Faculty Women's Club
Christmas Boutique, Fund-Raising Sale. Cecil Green Park House, 9:30am. Annual fund-raising sale; no admission fee. Crafts, baking, books, lunch by reservation $10. Proceeds support students. Call 228-1116.

Wednesday, Dec. 6

Respiratory Research Seminar Series
Proteoglycans In Fibroproliferative Lung Diseases. Dr. Clive Roberts, asst. prof. of Medicine, Respiratory Div. St. Paul's Hospital, Gourley conference room, 5-6pm. Call 875-5653.

Thursday, Dec. 7

Chem/Engineering Seminar
The Unusual Behaviour Of Polymer Blends Near Their Phase Separation. Dimitris Vlassopoulos, Foundation of Research and Tech., Hellas, CHML 206, 3:30pm. Call 822-3238.

Friday, Dec. 8

Seminar
T Cell Activation. Dr. Tak Mak, Ontario Cancer Institute, Wesbrook 201, 12pm. Call 822-3325.

Grand Rounds
From Coma To Low Level State To Consciousness: Approach And Management. Dr. George Hahn, Sunny Hill Health Centre for Children, Brain Injury Program. GF Strong auditorium, 9am. Call 875-2307.

Health Care and Epidemiology Rounds
The Return Of: Measuring Stress With A Blood Test. Clyde Hertzman, Prof., Health Care and Epidemiology; Shona Kelly, Research Scientist, Health Care and Epidemiology. Mather 253, 9-10am. Call 822-2772.

Saturday, Dec. 9

Vancouver Institute Lecture
The Canadian Revolution: From Deference To Defiance 1985-1995. Peter C. Newman, author. IRC #2, 8:15pm. Call 822-3131.

Women's Basketball
Barbara Rae Cup. UBC vs SFU. War Memorial Gymnasium, 7pm. $6 adults, $4 youths and seniors. Free UBC students and children under 12. Call 222-BIRD.

Christmas Craft Fair
Crafts, Food, Music, Raffle. The Longhouse, 10am-4pm. Admission free. Call 822-5383 or 822-2115.

Monday, Dec. 11

IHEAR Seminar
Christmas Social - Networking. James Mather Portable Annex classroom #1, 5:30pm. Refreshments. Call 822-3956.

IAM Colloquium
The Stability And Variability Of The Thermocline And Circulation, And Its Relation To Climate. Lawrence Mysak, director Centre for Climate and Global Change Research, McGill U. Old Computer Science 301, 3:30pm. Call 822-4584.

Seminar
Transcription Initiation And Regulation Of Gene Expression In Halophilic Archaea. Dr. Jörg Soppa, Max Planck Institute for Biochemistry, Martinsried, Germany. IRC#4, 3:45pm. Refreshments at 3:30. Call 822-9871.

Tuesday, Dec. 12

Dept. of Animal Science Seminar Series
The Langara Island Rat Armageddon. Gregg Howald, MSc student, Dept. of Animal Science. MacMillan 158, 12:30pm. Refreshments. Call 822-4593.

Seminar
Effects Of Telazol On Rat Hepatic Cytochromes P450. Anne Wong, Grad. Student, Div. of Pharmaceutical Chemistry, Pharmaceutical Sciences. IRC3, 12:30pm. Call 822-4645.

Wednesday, Dec. 13

Respiratory Research Seminar Series
Inhalable Particles Health Effects: Science And Policy. Dr. Sverre Vedal, Medicine, Respiratory Div. St. Paul's Hospital, Gourley conference room, 5-6pm. Call 875-5653.

Critical Issues in Global Development Seminar
Discrepancies Between Chinese Labour Law And Practice. Pitman Potter, Law. Green College recreation lounge, 8-10pm. Call 822-6067.

Senate
The fourth regular meeting of Senate, UBC's academic Parliament. Curtis 102, 8pm. Call 822-2951.

Friday, Dec. 15

Grand Rounds
Clinicopathological Conference. Dr. Gareth Jevon, MB, ChB, clinical instructor, Dept. of Pathology, Dr. Rhonda McIntyre, paediatric resident, Dept. of Paediatrics. GF Strong auditorium, 9am. Call 875-2307.

Health Care and Epidemiology Rounds
Smoking Cessation Therapy With Bromocriptine. Dr. Helene Bertrand, family physician. Mather 253, 9-10am. Call 822-2772.

THE UNIVERSITY OF BRITISH COLUMBIA
FACULTY OF ARTS

Prizes for Excellence in Teaching

Once again the University is recognizing excellence in teaching through the awarding of prizes to faculty members. The Faculty of Arts will select five (5) winners of the prizes for excellence in teaching for 1996.

Eligibility: Eligibility is open to faculty who have three or more years of teaching at UBC. The three years include 1995-96.

Criteria: The awards will recognize distinguished teaching at all levels: introductory, advanced, graduate courses, graduate supervision, and any combination of levels.

Nomination Process: Members of faculty, students, or alumni may suggest candidates to the head of the department, the director of the school, or the chair of the program in which the nominee teaches. These suggestions should be in writing and signed by one or more students, alumni, or faculty, and they should include a very brief statement of the basis for the nomination. You may write a letter of nomination or pick up a form from the office of the Dean of Arts in Buchanan B130.

Deadline: The deadline for submission of nominations to departments, schools or programs is **29 January 1996**.

Winners will be announced in the Spring, and they will be identified as well during Spring Convocation in May.

For further information about these awards contact your department or call Dr. Errol Durbach, Associate Dean of Arts at 822-3828.

Notices

Art Gallery
The Morris and Helen Belkin Art Gallery. Current exhibition Nov. 10, 1995 - Jan. 14, 1996. Seeing in Tongues: A Narrative of Language and Visual Arts in Quebec. Gallery hours are Tuesday - Friday 10am-5pm and Saturday, 12-5pm. 1825 Main Mall. Call 822-2759.

UBC Nursing and Dept. of Counselling Psychology Study
Are you pregnant for the first-time, currently working, living with a partner, and intending to return to work after the arrival of your baby? Help us learn more about working and parenting so that we can help you. Volunteer for the "Transition to Parenthood for Working Couples Study" by calling Wendy Hall, asst. prof., UBC School of Nursing at 822-7447.

Parents and Teens Needed for Research Study
An innovative project looking at conversations that parents and teens (age 13 or 14) have about health issues. $40 honorarium. Volunteers call 822-7430 or 822-7476.

Christmas at the Shop In The Garden
Festive Table and Tree Decorations made by the "Friends of the Garden", also fresh foliage wreaths, baskets and door swags, while quantities last! Exciting selection of gifts too - books, tools, garden accessories and much more. All proceeds help the garden grow. Shop In The Garden, UBC Botanical Garden, 6804 S.W. Marine Drive. December hours 10am-5pm. Open daily. Call 822-4529.

UBC REPORTS

CALENDAR POLICY AND DEADLINES

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

Calendar items must be submitted on forms available from the UBC Public Affairs Office, 310–6251 Cecil Green Park Road, Vancouver B.C., V6T 1Z1. Phone: 822-3131. Fax: 822-2684. Please limit to 35 words. Submissions for the Calendar's Notices section may be limited due to space.

Deadline for the December 14 issue of UBC Reports — which covers the period December 17 to January 13 — is noon, December 5.

THE UNIVERSITY OF BRITISH COLUMBIA

DRAFT MATRIX OF NECESSARY AND DESIRABLE ELEMENTS IN GRADUATE PROGRAM

The Equity Advisory Committee which was established in August 1995 to advise the Dean of Graduate Studies regarding the suspension of graduate admissions in one department and equity issues in general has drawn up a matrix of elements that should be useful as a checklist for all graduate programs. The committee believes that major problems could be avoided if all academic departments implemented at least the necessary elements of the list below.

This matrix is currently at the 5th draft stage. The committee would welcome feedback before the matrix is submitted to Graduate Council. Please submit any comments and suggestions before **Friday, December 15, 1995** to Dean J.R. Grace, Faculty of Graduate Studies, 180 - 6371 Crescent Road, Vancouver, BC, V6T 1Z2, by fax (822-5802) or by e-mail (jgrace@mercury.ubc.ca).

Necessary and Desirable Features of Graduate Programs and their Administration

This matrix of necessary and desirable features of graduate programs has been prepared in an effort to provide guidelines to departments on common criteria that should be satisfied by graduate programs in all areas at UBC in order to encourage quality and promote a supportive and equitable learning environment. The formulations are often rather broad in an effort to encompass the diversity of graduate programs across the campus. It is recognized that different fields and different departments have varying mandates and different resources. Nevertheless, the expectations under the "Necessary Components" category are reasonable expectations for all graduate programs, and the "Possible Additional Desirable Features" should be achievable in many cases.

This matrix should be considered together with the Guidelines for Various Parties Involved in Graduate Student Thesis Research, the Policy on Discrimination and Harassment, the Conflict of Interest Policy, the Calendar, the Faculty of Graduate Studies Policies and Procedures manual and other relevant policies in designing, upgrading and monitoring graduate programs.

Area	Necessary Components	Possible Additional Desirable Features
Advertising of program and its resources and special features for prospective applicants	Accurate, useful and up-to-date portrayal of program characteristics, faculty expertise, resources and admission criteria. Accurate and up-to-date portrayal of faculty interests, areas of expertise and activities. Active encouragement of participation by qualified women, visible minorities, Aboriginal students and persons with disabilities.	Helpful and detailed discussion of the particular strengths and limitations of the program. Indicate who is likely to be on leave and which courses are likely to be given the following year and, if possible, beyond.
Admissions	Decisions based on criteria in Calendar, with due allowance for work experience and other special factors applicable to the field in question. Avoid negative stereotyping on the basis of race, gender, age, marital status, etc.	Any criteria in excess of Faculty of Graduate Studies minima (e.g. when a department sets a minimum TOEFL score > 550) printed in the Calendar.
Information provided to students being admitted	Clear information on financial support (if any) to be available or which can be applied for. Clear outline of how and when the assignment of supervisor is done in that department. If continuation of financial support is to be dependent on certain conditions, these must be clearly stated.	Detailed information package on non-academic but essential matters such as housing and daycare. Refer international students to info (e.g. on immigration and health insurance) available through International Student Services.
Orientation	Basic information package including listing of courses available, guidelines, and essential information.	Orientation session or program where new students meet continuing students and faculty.
Choosing the supervisor	Some choice where possible with opportunity for students to have up-to-date information on potential supervisor(s) before choice is made.	Feedback from current students to newly accepted students to help guide their choice.
Quality of supervision	All faculty and students to receive and be expected to follow the "Guidelines for the Various Parties involved in Graduate Student Thesis Research". Quality of supervision to be part of teaching evaluation for considerations of merit, tenure, promotions, etc.	Faculty encouraged to attend TAG workshops on graduate student supervision. Feedback on quality of supervision provided where possible. Other proactive measures to be undertaken to improve supervision.
Credit for graduate supervision	Graduate supervision is an important component of teaching and should be recognized as such whenever teaching is evaluated and when other duties are assigned to faculty.	More recognition of supervision in other ways, e.g. in nominations for teaching prizes.
Graduate Advisor	Faculty member with strong interest in students should be chosen. Relief from other duties. Knowledgeable about university procedures. Available on a regular basis. Duties as specified in FoGS Policies and Procedures Manual.	May split duties between two persons or have a small committee, preferably representing a range of backgrounds.
Graduate Secretary	One (occasionally more for very large programs) person designated to fill this role for each program. Proper infrastructure support. Duties as specified in FoGS Policies and Procedures Manual.	Wherever possible, choose someone with strong interest in students.
Policies and procedures in department	Clear up-to-date handbook or other means of communicating departmental graduate policies and procedures to faculty and graduate students. These policies and procedures adhered to except in truly exceptional circumstances. Give advance notice of changes.	Consult with graduate students where possible regarding changes. Review policies and procedures for inclusive language and to eliminate potential discriminatory effect on women, aboriginal students, visible minorities and students with disabilities. Design policies and procedures to support educational opportunities for all students.
Problems involving graduate students.	Students encouraged to take up problems with supervisor, instructor or other person at source of problem initially, the graduate advisor, then department Head if there is no resolution. Obligation to maintain confidentiality and to ensure no retaliation. Where there is a conflict of interest or perception of bias, alternate arrangements are identified, e.g. if the department head is also the supervisor, referral to the appropriate dean.	Departmental ombudspersons, e.g. one faculty and one senior graduate student, or some committee structure appropriate to the department. Process must be clear.

THE UNIVERSITY OF BRITISH COLUMBIA

DRAFT MATRIX OF NECESSARY AND DESIRABLE ELEMENTS IN GRADUATE PROGRAM

Area	Necessary Components	Possible Additional Desirable Features
Equity issues and policies	Formally and publicly accepted departmental equity policy or policies consistent with University's commitments in this area.	Proactive efforts to sensitize and educate faculty, staff and students, e.g. by encouraging participation in workshops and presentations on equity issues. Distribute information on UBC's equity-related offices (e.g. Disability Resource Centre, Equity Office, First Nations House of Learning, Women Students' Office and International House).
Harassment and discrimination	All complaints addressed seriously, fairly and promptly, consistent with University Policy on Discrimination and Harassment. Help sought from Equity Office if systemic issues are raised. Head's responsibilities clearly understood and accepted.	Comprehensive code of conduct consistent with relevant University policies. Equity Office may be consulted for non-systemic issues.
Curriculum and program content	Course offerings provide well-rounded coverage of key areas of the discipline. Reasonable overall pluralism of approach and in subject matter, consistent with the field and resources available.	Institutionalized continuous or periodic process to review and update the curriculum, with input from students as well as faculty.
Breadth	-	Encouragement to take courses outside the department in areas not well covered by the department.
Graduate courses	Respect for diverse viewpoints and all members of class, coupled with serious pursuit of learning and excellence. Discourage inappropriate comments, terminology or language among the class. Expectations of faculty member and general approach to be clearly communicated to students at the outset.	-
Grading	Criteria to be clearly communicated and to be followed. Fair evaluation of all students. Consistency within each course and, to the extent possible, from course to course.	-
Course evaluations	All graduate courses evaluated using standard forms. Ensure that input can be provided without fear of repercussion.	Encourage constructive feedback which can be used to improve courses. Allow for qualitative as well as quantitative input.
Comprehensive exams	Clear and fair published rules adhered to consistently. Standards high and applied consistently to all students. Comprehensives provide learning experiences and constructive feedback to students. Reasons given in writing for failures.	-
Ranking of students	-	If ranking is needed, criteria should be clearly articulated, made widely available and performed consistently from year to year.
Departmental colloquia	Regular (e.g. weekly) talks (or other events as appropriate) by faculty, students, visitors and invitees from other departments during fall and winter terms. Talks should provide varying perspectives and a range of topics with relevance to all.	Social interchange among faculty and students preceding the educational activity.
Conferences	Encourage students to attend and present papers at conferences.	Support efforts of students to organize their own conferences.
Feedback to students on progress	Periodic (at least annual) written reports on progress and cumulative performance of each student by supervisor and/or graduate advisor, to be shared with the student.	Efforts to counsel and identify remedial actions for those having difficulties.
M.A. thesis defenses	Clear and fair rules adhered to consistently. Standards high and applied consistently.	Each defence provides a learning experience for the student and involves constructive feedback to the student.
Doctoral thesis defenses	Careful following of the procedures laid out by the Faculty of Graduate Studies.	Defenses provide learning experiences and constructive feedback.
Time-in-program and Retention of students	Keep records on times to completion and on students withdrawing.	Mentoring system, especially for those having academic, financial or personal difficulties and for minority groups.
Career advising	-	Efforts made to inform all students of openings and career options.
Office space	Allocation procedures are fair and open. Consider security issues.	Work space for all graduate students allowing interchange and sense of community among all students.
Financial support, scholarships and TA's	Fair and clearly articulated procedures for nominating, choosing and ranking students. All who meet eligibility criteria should be given an opportunity to be considered.	Proactive role in helping students apply and in increasing resources available.
Faculty hiring	Needs of graduate program considered when deciding on area of hiring. University employment equity policy followed. Direct input from graduate students in the hiring process.	-

THE UNIVERSITY OF BRITISH COLUMBIA

DRAFT MATRIX OF NECESSARY AND DESIRABLE ELEMENTS IN GRADUATE PROGRAM

Area	Necessary Components	Possible Additional Desirable Features
Hiring of Head	Needs of graduate program and role of Head as responsible for climate and disciplinary matters considered as important factors. Direct input from graduate students in the selection process.	-
Departmental administration	Defined committee structure with regular meetings and input (preferably via direct representation) from students as well as faculty. Clear decision-making responsibilities with accountability for decisions.	-
Department/School as a social community	Efforts to welcome all new students and to provide a hospitable environment. Seek to include all students.	Proactive events and initiatives to make the department a welcoming and open community. Avoid events which are uncomfortable for some students. Encourage faculty and students to participate in programs (e.g. AMS Barbeque, International House orientation) organized to welcome new students.

THE UNIVERSITY OF BRITISH COLUMBIA

Campus Planning and Development

CAPITAL PLAN (FISCAL 1995/96 - FISCAL 2003/04)

Each section of the University's capital submission to the Ministry of Skills, Training and Labour, includes anticipated project cost, a summary of project schedules and, where applicable, brief project descriptions. This submission continues to reflect the University's priorities as established in the mission statement and strategic plan which were adopted in 1989. The project schedules are consistent with our very significant needs and it is to these that the University forces are currently working. The President and Board of Governors are very anxious to see our schedules maintained. Relative to specific project costs, we have inflated figures from our last submission and are identifying all project values in September 1995 dollars.

100% Provincial Government Funding
Major Capital Projects

Legend: P = Planning
D= Design Start
C = Contract Award
O = Completion Contract
$ = Funding Delay

EXHIBIT A

MAJOR CAPITAL PROJECTS	1994/1995	1995/1996	1996/1997	1997/1998	1998/1999	1999/2000	2000/2001	2001/2002	2002/2003	2003/2004
1 Forest Sciences Centre	$	$ $ $ C			O					
2 Scarfe Building (Expansion/Renovation) Phase II	C		O							
3 Biotechnology Laboratory (Phase II)		$ $ $ $		C		O				
4 Centre for Creative Arts and Journalism (Phase II)		$ $ $ $		C		O				
5 Chemical/Bio-Resource Engineering		$ $ $ $			C		O			
6 Earth Sciences Building (Phase I)	D		$ $		C		O			
7 Student Services Centre II (Brock Hall)			P _ _ _ _	D		C		O		
8 Health Sciences Facilities			P _ _ _ _	D			C		O	
9 Law Building Replacement and Upgrade				P _ _ _ _	D		C		O	
10 Earth Sciences Building (Phase II)				P _ _ _ _	D		C		O	
11 Research Space					P _ _ _ _	D		C		O
12 Library Centre (Phase II)						P _ _ _ _	D		C	O
13 Buchanan Buildings (Renovation/Upgrade Phase I)							P _ _ _ _	D	C	
14 Old Chemistry Building Renovations and Removal							P _ _ _ _	D	C	

THE UNIVERSITY OF BRITISH COLUMBIA

CAMPUS PLANNING AND DEVELOPMENT
CAPITAL PLAN (FISCAL 1995/96 - FISCAL 2003/04)

Legend:
Board 1: Program Approval, Proceed to Design *Board 2:* Design Approval, Proceed to Documents and Tender *Board 3:* Construction Contract Award

	PROJECT DESCRIPTION	PROJECT BUDGET OPERATING COSTS	BOARD 1	BOARD 2	BOARD 3	COMPL.	COMMENTS
	MAJOR CAPITAL PROJECTS						
1	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. 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. During 1995, the Advanced Wood Processing Centre was added to the facility which increased its size by 3,033 gross area for a total of 19,561 square meters.	$40,050,000* (1993) $7,500,000 (1995) Combined Total $47,550,000 $758,123 Net	1992/05/21	1994/03/17	1996/01	1998/05	*Original allowance of $40 million (September 1989 dollars) inflated @ 0.8% per month to September 1990. Further inflation of 3.0% included to September 1992. Figures revised downward August 1993 to a maximum cost of $40,050,000, excluding furniture allowance to be provided by UBC. In mid October 1995 additional funding of $7.5 million was provided for Advanced Wood Processing. Tender will be received December 7, 1995.
2	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 indicated in the functional program. A corresponding demolition of 2,822 gross square meters of huts or temporary buildings will occur. See Facilities Inventory Report for further details.	$11,880,000 (1994) N/A	1992/09/17	1994/03/17	1995/01/26	1996/09	Latest scope of work and budget for this project is as per project brief and correspondence of mid 1993. Construction proceeding.
3	BIOTECHNOLOGY LABORATORY (Phase II) This facility is largely new space required to accommodate activities presently located in substandard space and requiring expansion. Proposed area of project is 7,419 m2 of construction adjacent to and over an existing building.	$24,570,000 (1995) $323,619	1994/01/20	6 months to complete	11 months to complete	22 months to complete	Schematic Design completed 1995/07.
4	CENTRE FOR CREATIVE ARTS AND JOURNALISM (Phase II) This is a two phased facility. Phase I is detailed on the attached fund raising submission. Phase II is largely replacement space which will provide 2,920 NASM, 4,966 GSM to accommodate studio activities for the Fine Arts, Music and the Theatre department which are currently housed in inadequate huts which do not meet their specialized needs. A new Creative Arts Centre will provide efficient centralized space for workshops, practice, and instruction. The combination of Phase I and II will result in demolition of 4,180 gross square meters of existing temporary space. Details provided in the 1993/94 Facilities Inventory Report.	Phase II $13,000,000 $33,840 Net	1994/01	7 months to complete	9 months to complete	17 months to complete	Fund raising for Phase I is underway.
5	CHEMICAL/BIO-RESOURCE ENGINEERING This facility is largely replacement space intended to replace the existing Chemical Engineering Building which no longer meets the standards set by the Accredition Board and W.C.B. The Chemical Engineering program is operating on a provisional basis while planning of new facility proceeds. Current space housing these programs totals 3,900 net assignable square meters. A net assignable area of approximately 4,320 and a gross area of approx 7,574 will be constructed with a corresponding demolition of 3,200 gross square meters for the old Chemical Engineering and associated Bio-Resource Engineering building when it is demolished. See the Facilities Inventory Report for further details.	$24,875,000 (1995) $131,737	1993/11/18	6 months to complete	11 months to complete	23 months to compete	Latest scope of work and budget for combined project as per Project Brief published in late 1993 and schematic design completed 1995/03.
6	EARTH SCIENCES BUILDING (Phase I) This facility provides significant new and replacement 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. Area requirements have been determined in a project brief dated December 1993. It is anticipated that a net assignable area of approx. 7,577 and a gross area of approximately 13,364 will be constructed in Phase I with a corresponding demolition of 2,789 gross square meters of huts or temporary buildings. See the Facilities Inventory Report for further details.	$36,440,000 (1995) $2,910,000 (1995) Combined Total $39,350,000 (1995) $425,000 Net	1994/01/20	6 months to complete	10 months to complete	25 months to complete	Latest scope of work and budget for this project is as per project brief published in December 1993. A second component of funding was transferred from capital line item for instructional space $2,910,000. Schematic Design completed in 1995/10.

THE UNIVERSITY OF BRITISH COLUMBIA

CAMPUS PLANNING AND DEVELOPMENT
CAPITAL PLAN (FISCAL 1995/96 - FISCAL 2003/04)

	PROJECT DESCRIPTION	PROJECT BUDGET OPERATING COSTS	BOARD 1	BOARD 2	BOARD 3	COMPL.	COMMENTS
7	STUDENT SERVICES CENTRE (Phase 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.	$10,613,000* (1995) N/A	1997/01	1998/03	1999/01	2000/12	*Original allowance of $8.3 million (September 1989 dollars) reassessed to $9.25 million (September 1991) dollars and adjusted by 3.0% inflation to September 1995.
8	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 11,250 m2. At this time, estimates are not available for this work, rather, an allowance only is shown.	$42,650,000* (1995) TBD	1997/01	1998/09	1999/11	2001/12	*Original allowance of $43,000,000 less $5,210,000 for Jack Bell Labs leaves $37,790,000 (September 1991 dollars) adjusted by 3.0% inflation to September 1995.
9	LAW BUILDING REPLACEMENT AND UPGRADE 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 2,746 m2 (gross) and temporary trailers of 1,066 m2 (gross) and provision of new facilities (4,600 m2) 2.	$15,570,000* (1995) TBD	1998/01	1999/05	2000/03	2001/12	*Original allowance of $12.7 million (September 1991 dollars) adjusted by 3.0% inflation to September 1995.
10	EARTH SCIENCES (Phase II) This is a continuation of an earlier project and will result in demolition of old campus space. It is anticipated that a net assignable area of approximately 4,238 m2 and a gross area of approximately 7,175 m2 will be constructed in Phase II. The relinquished space in the Geography Building will be used to house Mathematics to facilitate development of the Library Centre Phase II.	$18,000,000 (1995) $166,160 Net	1994/01/20	1999/05	2000/03	2001/12	Latest scope of work and budget for this project is as per project brief published in December 1993.
11	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.	$40,000,000* (1995) TBD	1999/01	2000/01	2000/11	2002/12	*Original allocation less $8.5 million relocated to Earth Sciences. Remainder inflated to 1995 figure of $49,000,000.
12	LIBRARY CENTRE (Phase II) In preparing for Phase I Library Centre development, additional needs were discovered partially 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 seismically environmentally acceptable 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.	$45,000,000* (1995) TBD	2000/01	2001/01	2001/11	2003/12	*Original allowance $40,000,000 (September 1991 dollars) adjusted by 3.0% of inflation to September 1995.
13	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.	$28,140,000* (1995) TBD	2001/01	2002/01	2002/09	2004/08	*Original allowance of $25,000,000 (September 1991 dollars) adjusted by 3.0% inflation to September 1995.
14	CHEMISTRY BUILDING RENOVATIONS AND REMOVAL 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.	$28,140,000* (1995) TBD	2001/01	2001/11	2002/07	2004/06	*Original allowance of $25,000,000 (September 1991 dollars) adjusted by 3.0% inflation to September 1995.

THE UNIVERSITY OF BRITISH COLUMBIA

CAMPUS PLANNING AND DEVELOPMENT
CAPITAL PLAN (FISCAL 1995/96 - FISCAL 2003/04)

100% Provincial Government Funding
Minor Scope Capital Projects

Legend: P = Planning
D = Design Start
C = Contract Award
O = Completion Contract
$ = Funding Delay

MINOR SCOPE CAPITAL PROJECTS	1995/1996	1996/1997	1997/1998	1998/1999	1999/2000	2000/2001	2001/2002	2002/2003	2003/2004	2004/2005
1 Buchanan Tower Upgrade	P _ D	C	O							
2 IRC Classroom Renovation	P _ D	C O								
3a Classroom Master Plan - Classroom Upgrades Unit "E"	P _ D	C O								
3b Classroom Master Plan - Classroom Upgrades Unit "K"	P _ D	C O								
3c Classroom Master Plan - Lecture Room Upgrades	P _ D	C O								
4 Hennings Renovation	_ _ _ _	D C	O							
5 Buchanan Block C & E	_ _ _ _	D C	O							

Legend:
Board 1: Program Approval, Proceed to Design *Board 2:* Design Approval, Proceed to Documents and Tender *Board 3:* Construction Contract Award

	PROJECT DESCRIPTION	PROJECT BUDGET OPERATING COSTS	BOARD 1	BOARD 2	BOARD 3	COMPL.	COMMENTS
	MEDIUM SCOPE CAPITAL PROJECTS						
1	BUCHANAN TOWER UPGRADE	$1,800,000 (1995)	N/A	1996/03	1996/05	1996/09	Improve utilization building upgrade.
2	IRC CLASSROOM RENOVATION	$2,650,000 (1995)	N/A	1996/03	1996/05	1996/09	Curriculum change smaller rooms needed.
3a	CLASSROOM MASTER PLAN CLASSROOM UPGRADES UNITS "E"	$2,000,000 (1995)	N/A	1996/03	1996/05	1996/09	Improve quality and utilization.
3b	CLASSROOM MASTER PLAN CLASSROOM UPGRADES UNITS "K"	$2,000,000 (1995)	N/A	1996/03	1996/05	1996/09	Improve quality and utilization.
3c	CLASSROOM MASTER PLAN LECTURE ROOM UPGRADES	$2,000,000 (1995)	N/A	1996/03	1996/05	1996/09	Improve quality and utilization.
4	HENNINGS BUILDING RENOVATIONS	$1,400,000 (1995)	N/A	1996/06	1997/03	1998/08	Renovate vacant area.
5	BUCHANAN BLOCK C&E	$1,500,000 (1995)	N/A	1996/06	1997/03	1998/12	Improve utilization.

Campaign
50% Provincial Government Funding/50% University Development Fundraising (100% University Development)

Legend: P = Planning
D= Design Start
C = Contract Award
O = Completion Contract
$ = Funding Delay

EXHIBIT C

	CAMPAIGN PROJECTS	1995/1996	1996/1997	1997/1998	1998/1999	1999/2000	2000/2001	2001/2002	2002/2003	2003/2004
1	Chan Shun Centre		O							
2	Centre for Creative Arts and Journalism (Phase I)	C		O						
3	Walter C. Koerner Library (Phase I)		O							
4	C.K. Choi Building for the Institute of Asian Research	O								
5	Liu Centre for International Studies (Phase I)		C		O					
6	Liu Centre Residences			T B D						
7	St. John's College Phase I	C		O						
8	St. John's College Phase II			T B D						
9	Wellness Resource Complex	P _ _		T B D						

THE UNIVERSITY OF BRITISH COLUMBIA

CAMPUS PLANNING AND DEVELOPMENT
CAPITAL PLAN (FISCAL 1995/96 - FISCAL 2003/04)

Legend:
Board 1: Program Approval, Proceed to Design *Board 2:* Design Approval, Proceed to Documents and Tender *Board 3:* Construction Contract Award

	PROJECT DESCRIPTION	PROJECT BUDGET OPERATING COSTS	BOARD 1	BOARD 2	BOARD 3	COMPL.	COMMENTS
	CAMPAIGN PROJECTS						
1	CHAN SHUN CENTRE Currently, the largest facility for performances at UBC is the Old Auditorium, constructed as a temporary building in the 1920's. The new Concert and Assembly Hall along with movie and Black Box theatres will meet the University's needs for ceremonial functions, music and theatre programs. With a capacity of 1,400 seats in the larger house and movie and theatre opportunites 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.	$29,750,000 $130,937 ($30,000 will be recovered from other income)	1990/05/17	1993/11/18	1994/12	1996/11	UBC Campaign Contribution is $11.5 million. Provincial Government Contribution is $11.5 million. Remainder UBC sources.
2	CENTRE FOR CREATIVE ARTS AND JOURNALISM (PHASE I) Phase I of this project provides for 743 NASM, 1,227 GSM which will house the School of Journalism. This facility will provide instructional and faculty space for the Journalism program. Future developments in Phase II will allow for a synergistic relationship between facilities required for print media and the studio requirements of multi media disciplines. The combination of Phase I and II will result in demolition of 4,180 gross square meters of existing temporary space. Details provided in the 1993/94 Facilites Inventory Report.	Phase I $3,000,000 52,830	1994/01/20	1995/03/16	1996/03	1997/06	Funds are expected to be available for Phase I by December 1995.
3	WALTER C. KOERNER LIBRARY (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.	$26,850,000 $297,528	1995/11/19	1993/03/25	1994/12/01	1996/11	UBC Campaign Contribution is $12 million. Provincial Government contribution is $12 million. Remainder UBC sources.
4	C.K. CHOI BUILDING FOR THE INSTITUTE OF ASIAN RESEARCH This project will include resource and research space required to support programs involving Asian Studies. 1,272 NSM, 2,222 GSM.	$6,250,000 $95,670	1995/11/14	1993/09/16	1994/12/01	1996/02	Total through fund raising efforts.
5	LIU CENTRE FOR INTERNATIONAL STUDIES (Phase I) This project will include central instructional and office facilities to support a major thrust in International Studies. This project represents Phase I with further residential phase(s) to follow which are currently in the planning stage. The scope of Phase I was identified in a report dated 1995/05/18. Includes 430 NASM of academic space for Graduate Research.	$12,000,000	1995/05/18	1996/03	1997/01	1998/07	Fund raising efforts will be providing $5 million funding, $4 million has been committed with another $1 million to be raised. Remainder from UBC sources and loan.
6	LIU CENTRE RESIDENCES (Phase II) This phase of the project will include residence facilities in support of visitors taking programs, of varying durations, offered by the Liu Centre for international studies, Continuing Studies language and international programs. At this time the residential component is expected to include approximately 160 beds.	$8,000,000 N/A	TBD	TBD	TBD	TBD	Source of funds will include fund raising and loan.
7	ST. JOHN'S COLLEGE (Phase I) This facility will provide residential and resource space for graduate students and post doctoral fellows. This complex will play a key role in the development of the University in international research and academic initiatives. The project is expected to be completed in two phases of approximately $5 million each.	$5,700,000 N/A	1994/05/19	1995/01/05	1996/01	1997/09	This project will be undertaken through fundraising.
8	ST JOHN'S COLLEGE (Phase II) Completion of the residential component of the Phase I project.	$4,300,000 N/A	TBD	TBD	TBD	TBD	This project will be undertaken through fundraising.
9	WELLNESS CENTRE The Centre will accommodate research and service initiatives focusing on life skills. It is part of Rick Hansen's legacy of the "Man In Motion" Tour.	TBD	TBD	TBD	TBD	TBD	This project will be undertaken through fund raising.

STUDENT DISCIPLINE REPORT

Under section 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 March 1, 1995 to October 31, 1995, 21 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 attached a false bibliography with an essay he submitted.

   Discipline: a mark of zero in the essay and suspension from the University for 4 months.*

2. A student attempted to obliterate his name and student number on an examination paper because he could not deal with questions in the paper.

   Discipline: a letter of severe reprimand.

3. A student plagiarized in the preparation of an essay.

   Discipline: a mark of zero in the course and suspension from the University for 4 months.*

4. A student had and used unauthorized materials in an examination.

   Discipline: a mark of zero in the course and suspension from the University for 8 months.*

5. A student plagiarized in the preparation of a paper.

   Discipline: a mark of zero in the

(Continued next page)

Forum

Future UBC community is open for discussion

By Moura Quayle

The following is an excerpt from Moura Quayle's address to the university Senate earlier this month. Quayle, a member of the Official Community Plan Planning Advisory Committee, is an associate professor of landscape architecture in the Dept. of Plant Science.

The preparation of an Official Community Plan (OCP) for UBC is well underway.

An Official Community Plan is a general statement of the broad objectives and policies about the future form and character of a community's existing and proposed land use and servicing requirements. Its authority is vested in the Municipal Act.

UBC is governed under the Universities Act. However, the university has entered into a Memorandum of Understanding with the Greater Vancouver Regional District (GVRD) in which the district and UBC have agreed to work cooperatively on the planning of the campus. This agreement provides an exciting opportunity to be part of the region and to develop our community with its special purpose and identity.

"I cannot stress enough the importance of this process."

- Moura Quayle

The GVRD has hired a team of consultants to prepare the OCP—this group has proposed a work plan which involves both technical activities and the involvement of the public and stakeholders. The team is receiving advice from a Technical Advisory Committee and a Planning Advisory Committee of citizens appointed by the GVRD in consultation with UBC. The process began in the summer with collecting, analysing, and documenting relevant information and carrying out initial steps in the stakeholder and public consultation process.

Since September general community consultation has taken place around the development of a cohesive set of planning principles which will address issues of land use, density, open space, transportation, urban design, landscape, heritage and others. The principles will suggest general direction for site utilization and policy. Focused workshops have taken place to help develop these principles.

The consultants are about to enter the "alternatives" stage where the planning principles will be converted into realistic and viable land use servicing and transportation options. Community consultation and workshops continue through this phase and into the development of the draft plan which will be completed by the end of March 1996. It then goes through the GVRD, UBC and provincial approval processes.

The community consultation is open to all of us as members of the UBC campus. However, the members of the President's Advisory Committee on Space Allocation (PACSA), including members of the Senate Academic Building Needs Committee, want to ensure that the university community gives energetic feedback to the consultant team.

UBC has already contributed land use objectives to the process and it is important for us to continue contributing our ideas and opinions. PACSA members participated recently in a lengthy session with the consultants in which we talked about the process and visions for the campus. We touched on the importance of the academic precinct and our academic mandate which is central to any community that develops here. We discussed a range of issues from transportation to community demographics to making a vibrant community day and night. We talked about our leadership role in setting examples for other communities. Other ideas included UBC as providing access to learning for tourists, citizens and students, the need to celebrate our diversity, the idea of live-work and maximizing our student employment capacity and the importance of basing our planning decisions on the capacity of the land to sustain development. Another session is planned for mid-December. We see PACSA as a conduit for university community feedback.

I cannot stress enough the importance of this process. The OCP lays out the foundation and the principles upon which we will prepare a UBC development plan involving more detail and a comprehensive public process.

We should see this OCP process as an opportunity to situate ourselves in the region as a unique, diverse, healthy and growing community—called by one person the "intellectual community centre of the region"—and to lead the way in terms of showing how a socially, ecologically and economically sustainable community can be planned and implemented.

Gavin Wilson photo

Deck The Halls

Displaying home-made holiday decorations are Bette Cotton, left, and Barbara Daem, both Friends of the Garden, the volunteer group that supports UBC's Botanical Garden. Hurry if you're interested in purchasing anything; the garden expects to sell out early in December, although other holiday gift ideas are available at the Shop-in-the-Garden. All proceeds support the Botanical Garden.

STUDENT DISCIPLINE REPORT (cont.)

course and suspension from the University for 12 months.*

6. A student assaulted an instructor.

   Discipline: suspension from the University for 8 months.*

7. A student plagiarized in the preparation of an essay.

   Discipline: a mark of zero in the course and suspension from the University for 4 months.*

8. A student did not hand in her examination paper and improperly removed the examination paper from the examination room.

   Discipline: a mark of zero in the course and suspension from the University for 8 months.*

9. A student had in his possession unauthorized materials during an examination.

   Discipline: suspension from the University for 12 months.*

10. A student failed to disclose on a University application form prior attendance at another post secondary institution and also misstated other relevant information.

    Discipline: suspension from the University for 12 months.*

11. A student submitted as her own work the work of another 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 was dismissed.

12. A student plagiarized in the preparation of a paper.

    Discipline: a mark of zero in the course and suspension from the University for 4 months. An appeal to the Senate Committee on Student Appeals on Academic Discipline was allowed in part.

13. A student failed to disclose on a University application form prior attendance at the University and another post secondary institution.

    Discipline: in the special circumstances a letter of reprimand.

14. A student had in his possession and used unauthorized materials in an examination.

    Discipline: a mark of zero in the course and a letter of severe reprimand and a record of the disciplinary action entered as a notation on his transcript and in his files, but that in the year in which the student expects to graduate or any time thereafter he may apply to the President to exercise his discretion to remove the notation from the transcripts and from the files.

15. A student assisted another student in writing a quiz.

    Discipline: suspension from the University for 12 months.*

16. A student submitted on two occasions plagiarized papers in a course.

    Discipline: in the special circumstances a mark of zero in the course and suspension from the University for 4 months.*

17. A student plagiarized in the preparation of an essay.

    Discipline: a mark of zero in the course and suspension from the University for 8 months.*

18. A student had in his possession and used unauthorized materials in an examination.

    Discipline: a mark of zero in the course and suspension from the University for 12 months.*

19. A student had in his possession unauthorized materials in an examination.

    Discipline: suspension from the University for 4 months.*

20. A student received assistance from another student in a quiz.

    Discipline: a mark of zero in the course and suspension from the University for 12 months.*

21. A student plagiarized in the preparation of an essay.

    Discipline: a mark of zero in the course and 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.

Tokyo-UBC exchange fruitful for AgSci students

by Gavin Wilson

Staff writer

Picking tea leaves, planting rice and watching auctions at an early morning fish market were some of the real-life experiences shared by a group of Agricultural Sciences students on a recent exchange visit to Japan.

The three-week tour was designed to provide a mix of cultural experiences and insights into agricultural and aquacultural practices in Japan.

The group of nine students and faculty escorts was led by Animal Science Prof. George Iwama and Lawrence Hurd, a program manager with the Farm Management Branch of the B.C. Ministry of Agriculture, Fisheries and Food.

Their hosts were their counterparts at the Tokyo University of Agriculture.

UBC later reciprocated, hosting an exchange group from the Japanese university on a visit to observe B.C. agricultural practices.

In Japan, the UBC group visited greenhouses, the Fuji Experimental Animal Farm, a trout hatchery, the Tokyo Stock Exchange, a research forest and a cattle farm.

The UBC group got up at 3:30 a.m. to see the auctions at the Tsukiji Fish Market, a unique market place that controls most fish distribution and sales in Japan.

"Seeing a single tuna sell for about $25,000 made us appreciate the value of fish as a commodity in Japan," Iwama said.

He added that the way each visit was conducted, combining lectures and hands-on experience, was very enriching.

For example, the group started one day with with a lecture by a professor who is an expert in tea production. They then tasted various teas and walked to a tea field, where they picked tea leaves with students and university staff.

The students also learned of a progressive public education program for forest management. At a university research forest the public is invited to live and work with foresters to help them maintain a healthy forest.

They hope that such a forest experience will alleviate public alienation and ultimately save forests from the mounting pressures of urbanization.

To thank their hosts, the UBC group co-sponsored a farewell reception with the Canadian embassy at the impressive new embassy building in central Tokyo.

Gavin Wilson photo

Tour leader Byron Foster, a research engineer at AMPEL, shows opening day guests the High Headroom laboratory. With its large space capable of housing heavy industrial machinery, the lab is one of the specialized facilities at AMPEL that are not available elsewhere at UBC.

AMPEL to focus on high tech materials

by Gavin Wilson

Staff writer

Faculty and graduate students from four departments will work side by side in the $21-million Advanced Materials and Process Engineering Laboratory (AMPEL), which had its official opening Nov. 17.

Researchers from Chemistry, Electrical Engineering, Metals and Materials Engineering and Physics will use the new labs to work on a variety of different materials including composites, metals, ceramics, semiconductors and superconductors.

"Research conducted in AMPEL will generate new discoveries, help create high-quality jobs for the future and support existing industries," said UBC President David Strangway.

"Knowledge gained through science and technology research at UBC is a key element in the university's tremendous impact on the provincial economy, which has been estimated at $2.3 billion annually," he added.

AMPEL Director Tom Tiedje said the building will bring together under one roof one of the best collections of modern instrumentation in Canada for studying the properties of materials.

Materials processing will be another important activity in the new building, including the development of environmentally sound processes for resource industries and the fabrication of semiconductor lasers for fibre optic communications systems.

The AMPEL building will have an important educational role, Tiedje added, especially in graduate education. Students will benefit by having better access to modern equipment and instrumentation that may now be inaccessible to them in other departments. They will also benefit from exposure to different disciplines outside their own.

This interdisciplinary emphasis is an innovative approach to technological research problems rarely found in Canadian universities, said Tiedje, who holds joint appointments in the departments of Physics and Electrical Engineering.

"In this building we will be able to pool resources and bring together activities that are related in science and technology, but disconnected administratively. It's a practical approach that's more common in industry than it is in academia," he said.

Tiedje said the new building will also allow more efficient operations, appeal to funding agencies and attract more industry involvement because it is more compatible with their needs.

Covering nearly 8,000 square metres of space over four storeys, AMPEL will include specialized facilities not available elsewhere at UBC, such as high headroom labs that have space for heavy industrial machinery and a "clean room" for fabricating electronic devices in a controlled environment that is sealed off from the outside and free of dust and particles.

AMPEL construction was funded by the government of British Columbia. Also contributing to AMPEL through the World of Opportunity fund-raising campaign were Stelco Inc., Inco Limited, Paul Y. Tso and Xerox Canada Inc.

ISDN service offers fast alternative to dialling in to campus by modem

by Stephen Forgacs

Staff writer

Members of the campus community who rely heavily on the campus computer network and the Internet for work now have the option of setting up a fast and direct connection from home.

UBC's Telecommunication Services has, with industry partners, put together what may be the first dial-in ISDN/Internet service bundle in Canada. It is already gaining national recognition, having recently won the Innovation and Application Award from *Canadian TELECOM* magazine.

The service, based on the Integrated Services Digital Network (ISDN), allows off-campus access to the campus network without using a modem—a more common but much slower method of connecting through standard telephone lines.

"There's no comparison (with a modem)," said Economics Prof. Ken White, who is one of the first to use the ISDN connection from home. "It's pretty close to being on campus with an Ethernet connection. Not quite like being on campus, but it's 10 times better than a modem."

The service serves a dual purpose of providing access to the network to off-campus users, as well as providing a link to some of the older buildings on campus that do not have adequate inside wiring to support a local area network (LAN) connection, said Jim Tom, director of Telecommunication Services.

"It means that people who are on campus who don't have the funding or are not slated for wiring upgrades in their building can get reasonably high-speed access to the campus network. The off campus application is that we can hook up people from home," Tom said.

Tom said working closely with partners in industry—BC Tel, Nortel and Ascend Communications—allowed Telecommunications Services to offer service from the workstation to the campus computer network.

The cost to an off-campus user is $185 per month plus a $350 installation charge. Of the monthly charge, $122 is BC Tel's standard ISDN line cost, an amount that Wendy Purdy, ISDN product manager at BC Tel, said could drop to the $75 range within the next year.

If the line cost comes down, said Tom, so will UBC's fee as service provider.

At present, about a dozen individuals have signed up for the off-campus service, and the UBC Food Group has also requested the service at a few locations on campus.

"We've got several orders on campus, mainly from places like food services that have relatively small demand on the network and, because they're ancillary, didn't get central funding for their network connection. This was a more cost-effective way to connect them to the campus computer network," Tom said.

A number of people outside the campus community have also expressed an interest in the service, although Tom said providing service to outside users is not being seriously considered.

"There really aren't any competitors right now, so we are getting calls from people off campus saying 'hey, I really want to be connected.' At this point we have to say no. We want to get the system established for the campus community first," he said.

Service subscribers require an ISDN line and router, both of which are included in installation cost. For further information contact Telecommunication Services at 822-2555.

Seniors and students benefit from info line

by Connie Filletti

Staff writer

Students in UBC's Faculty of Pharmaceutical Sciences are learning that a SMILE can help prevent a prescription for disaster and promote good health.

Since its introduction last April, the Seniors Medication Information LinE (SMILE) has been providing interested pharmacy students with a unique opportunity to learn about seniors' health issues, develop research skills, analyse data and improve their communication abilities.

A free telephone hotline service, SMILE is operated by professional pharmacists in the faculty and was established to assist seniors, their families and caregivers with drug information.

"Although students involved in the program are not yet trained to take calls themselves, they are learning how to gather drug information," said Elaine Kam, a clinical assistant professor of Pharmacy and SMILE co-ordinator.

"As importantly, they are learning how to use their research in ways that are most effective in helping the pharmacists formulate responses for callers who require extensive information," she added.

Kam believes that the practice received by the participating students in preparing information in lay terms is another benefit the program offers.

"It is important that we make it easy for people, especially seniors, to understand the information that is being presented to them over the phone," she said. "SMILE provides students with excellent experience in translating what they learn technically to language everyone can grasp."

Other learning opportunities available to the students include accompanying Kam to various community centres throughout the Lower Mainland where she addresses seniors' groups on safe medication use and presents an introduction to SMILE.

The program is also providing three fourth-year pharmacy students with topics for directed study projects. The one-year research course will earn each student six credits upon completion.

One directed study project by Diem Pham involves the development of a teaching module for SMILE which will train students to work on the phones. Kam, who with David Hill, the faculty's associate dean of Professional Programs, is supervising Pham, hopes that the protocol will be implemented by September 1996.

SMILE is a collaborative effort among the Faculty of Pharmaceutical Sciences, the B.C. Ministry of Health and Ministry Responsible for Seniors (Pharmacare Division), the B.C. Drug and Poison Information Centre, the Canadian pharmaceutical industry and the Science Council of B.C.

To contact the SMILE hotline, call (604) 822-1330 or toll-free at 1-800-668-6233.

News Digest

States Without Law: The Role of Multilateral Intervention to Restore Local Justice Systems is the focus of a one-day seminar at Green College on Dec. 9 to commemorate the 50th anniversary of the United Nations.

Topics will include the complexities of the failed state syndrome and the roles of immediate intervention and peacekeeping as prerequisites for reconstruction and reconciliation.The event will conclude with a panel discussion on the role and capacity of the United Nations, chaired by Gulzar Samji, president of Vancouver's United Nations Association.

Panelists include Lucie Edwards, director-general, Global Issues, Dept. of Foreign Affairs and International Trade, and Eduardo Vetere, chief of the United Nations Crime Prevention and Criminal Justice branch in Vienna.

For more information, call 822-9875 or fax 822-9317.

• • • • •

B.C.'s Scientists and Innovators in the Schools program was one of the recent winners of a Michael Smith award for science promotion presented by Industry Canada.

The program is designed to send scientists, engineers, technologists and technicians into classrooms throughout B.C. to promote general science and technology awareness and to act as role models.

Administered by Science World on behalf of the provincial Ministry of Employment and Investment, the program reached 95,000 students in B.C. last year and enlists the efforts of 400 volunteers, including many from UBC.

The Michael Smith awards recognize the outstanding contribution of Canadian individuals and organizations in promoting science, technology, engineering and mathematics with young people.

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EDIBLES SNACK BAR	7:45 - 3:30	DEC 8
ESPRESSO ON THE GO	7:00 - 4:00 7:00 - 2:30	DEC 15 DEC 18 - 21
THE EXPRESS at Trekkers	7:30 - 7:00 7:30 - 3:30	DEC 4 - 14 DEC 15 - 21
EXPRESS OPEN	7:30 - 3:30	DEC 27, 28, & 29
IRC	8:00 - 3:45	DEC 22
PACIFIC SPIRIT PLACE SUB	7:30 - 2:30	DEC 21
PLACE VANIER RESIDENCE	7:00 - 7:00	DEC 21
HUBBARDS	5:30 - 11:30	DEC 18
TREKKERS RESTAURANT Christmas Brunch	11:00 - 2:30 8:00 - 1:00	DEC 21 DEC 22
TRIUMF	7:30 - 4:00	DEC 22
TOTEM RESIDENCE	7:00 - 7:00	DEC 21
MAGDA'S	5:00 - 11:30	DEC 18
THE UNDERGOUND	8:00 - 8:00 (MON - THU) 8:00 - 4:00 (FRI) 12:00 - 8:00 (SUN)	DEC 19
YUM YUM'S Old Auditorium	7:45 - 3:00	DEC 8

THE FOLLOWING UNITS WILL BE CLOSED AS OF DECEMBER 4th, 1995

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Classified

The classified advertising rate is $15.75 for 35 words or less. Each additional word is 50 cents. Rate includes GST. Ads must be submitted in writing 10 days before publication date to the UBC Public Affairs Office, 310 – 6251 Cecil Green Park Road, Vancouver B.C., V6T 1Z1, accompanied by payment in cash, cheque (made out to *UBC Reports*) or internal requisition. Advertising enquiries: 822-3131.

The deadline for the December 14, 1995 issue of UBC Reports is noon, December 5.

Services

ESL PRONUNCIATION WORKSHOPS. Intensive weekly classes for adult ESL speakers, starting January 26. Intermediate or advanced. West End Community Centre, 870 Denman Street. Enrolment limited. Contact instructor: Barbara Wakal 689-5918.

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

GREEN COLLEGE GUEST HOUSE Five suites available for academic visitors to UBC only. Guests dine with residents and enjoy college life. Daily rate $50, plus $13/day for meals Sun.-Thurs. Call 822-8660 for more information and availability.

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Accommodation

PLEASANT, BRIGHT APARTMENT for rent. Comfortable one bedroom apartment, fully furnished and equipped, close to UBC. Available for three months or longer from mid-December or early January. Reasonable rent in return for taking care of two affectionate cats. Call 228-8825.

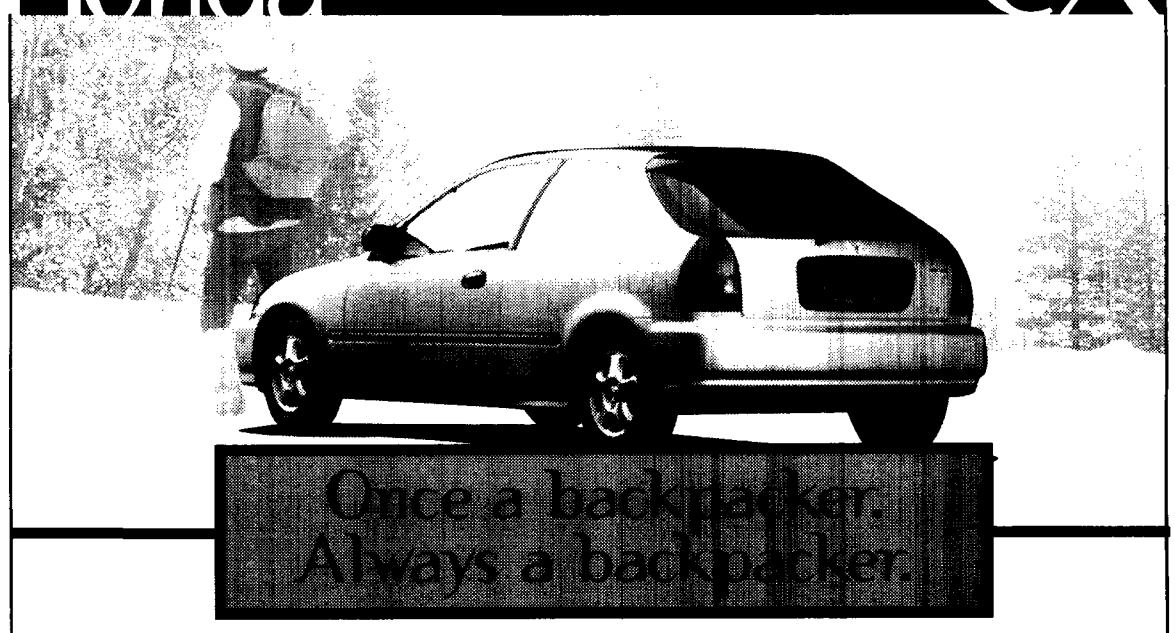
SUNSHINE COAST ISLAND HOME to let. Rustic Keats Island 2/bdrm oceanview home available January/February/March. $700/month. Foot ferry service from Langdale and vehicle on Keats put Horseshoe Bay within one hour easy commute. Electricity, telephone and wood for fireplace included. Ideal for student, professor, writer or artist. Ceiling loft with large window/doors to deck provide good light. Call (604)886-8801 daytime, 886-8200 evenings.

FOR RENT FROM DECEMBER 15, for one year $1600/m.. Architect's home, furnished. 2 bedrooms plus den. One block from the sea in Kitsilano. Non/smok. Refs. Call 731-6937.

Wanted

SINGLE MEN The North Shore Group - 15 year old social group for business and professional singles. Activities - dining, dancing, parties, sports, cultural events etc. 30 men aged 40-60 needed to balance male/female ratio. Call 987-0401.

Honda Civic Hatchback CX



Your needs keep changing, but not your freedom-loving spirit. Which makes the new Civic Hatchback ideal for the way you live. The engine packs more punch, so you can go where you want. A longer wheelbase gives you more room inside enough to pack in over 375 litres of friends and/or life's necessities—skis, tent, snowboard—you name it. And the convenience of a 50/50 split fold-down rear seatback gives you more choices. Plus looks that set back the competition. Best of all, you won't be packing around heavy payments.

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NORTH & WEST VANCOUVER PACIFIC HONDA 725 Marine Drive 984-0331

Timely Success

Assoc. Dean Gerald Gorn takes a crack at breaking a gingerbread replica of the Ladner Clock Tower into bite-size pieces to kick off the Faculty of Commerce and Business Administration's Bakemeister Challenge Nov. 8. Deborah Nelson, director of program development for the faculty's professional programs, won first prize for her Deb's Delight angel food cake. The event raised $345 for the United Way. United Way's campus campaign has reached $222,000 toward the campaign goal of $300,000.

Stephen Forgacs photo

GERARD EMANUEL - HAUTE COIFFURE

Grand Opening Special
20% off cuts

Gerard does not cut your hair right away. First he looks at the shape of your face. He wants to know what you want, the time you want to spend on your hair, your lifestyle. Once your desires are communicated, Gerard's design creativity flourishes into action to leave you feeling great by looking your very best. Gerard uses natural products to leave your hair soft and free of chemicals. He also specializes in men and women's hair loss using Thymu-Skin and is the only one in North America using this technique. Gerard was trained in Paris and worked for Nexxus as a platform artist. Gerard invites you to his recently opened salon in Kitsilano.

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Candlelight vigil Dec. 1

The memory of 14 women killed on Dec. 6, 1989 at Montréal's l'École Polytechnique will be honoured at UBC during a candlelight vigil on Friday, Dec. 1.

Everyone is invited to gather at 12:30 p.m. at the Ladner Clock Tower in front of Main Library for a procession to the Student Union Building.

The campus community is also welcome to visit the chapel in the Lutheran Campus Centre at 5885 University Blvd. which will be open all day on Dec. 6 for quiet reflection.

UBC's white ribbon campaign, which remembers the Montréal victims and all women who suffer from violence, begins Nov. 30 and continues until Dec. 6. Ribbons are available at the Women Students' Office in Brock Hall.

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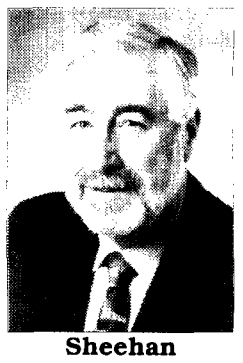
People

by staff writers

Bernard Sheehan has been appointed president and chief executive officer for the Technical University of British Columbia (TUBC).


Sheehan

Sheehan has been assoc. vice-president of computing and communications at UBC since 1990. In this role he has been responsible for restructuring the university's information technology function including its new applications to teaching, learning and administration.

From 1967 to 1990, Sheehan served in several senior positions at the University of Calgary.

The Technical University of British Columbia will serve about 3,300 students with a range of skill-based programs, advanced technologies and partnerships with industry and Fraser Valley communities. When the $100-million campus opens in Cloverdale in 1999, it will deliver a learning and applied research program using a variety of methods including new media on campus, in the community and at a distance.

Sheehan assumes his new position January.

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Dr. **Judith Hall**, head of the Pediatrics Dept., has been honoured with the 1995 Phoenix-Anni Verdi International Award for Genetic Research.

Hall , who joined UBC in 1981, is the second Canadian scientist to receive the award since its inception in 1982.

Her research interests include human congenital anomalies, dwarfism, the natural history of genetic disorders, the genetics of connective tissue disorders and non-traditional mechanisms of disease.

Hall, who received the YWCA's Women of Distinction Award for health, sciences and technology last year, is a member of the Canadian Human Genome Management Committee, an international initiative to identify every gene in the human body.

She was presented with the award at the annual national meeting of the Federazione Italiana per lo Studio delle Malattie Ereditarie in Spoleto, Italy earlier this fall.

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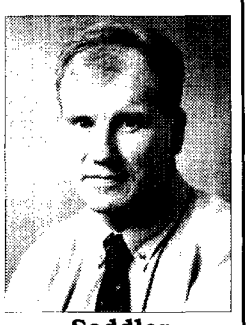
Prof. **Jack Saddler** of Forestry's Dept. of Wood Science has received the Scientific Achievement Award from the International Union of Forest Research Organizations (IUFRO) for his research work in forest products biotechnology.


Saddler

Presented every five years, the award recognizes Saddler's research work on the bioconversion of wood residues and applications of enzymes in pulp modification.

The award was presented at the IUFRO's 20th World Congress in Tampere, Finland, Aug. 12 - 16.

Saddler is the NSERC-Industry Senior Chair of Forest Products Biotechnology at UBC.

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John Dennison, professor emeritus of Higher Education, has been selected as a Distinguished Educator by the Ontario Institute for Studies in Education (OISE). The award recognizes his more than 25 years of research and teaching in the field of post-secondary education.

Dennison's research has focused particularly on the growth and development of the community college sector in Canada. He has written four books on the subject, the most recent being *Challenge and Opportunity: Canada's Community Colleges at the Crossroads (1995)*, published by UBC Press.

Dennison is currently co-chair of the British Columbia Council on Admissions and Transfer. The council sets policy regarding transfer credit for students moving through the B.C. post secondary system. Dennison received his Distinguished Educator Award on Nov. 29 in Toronto.

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Michael Smith, director of UBC's Biotechnology Laboratory and Nobel laureate, is this year's recipient of the LeSueur Medal presented by the Canadian branch of the Society of Chemical Industry.

Inaugurated in 1939, the medal is awarded every two years for outstanding services to the Canadian chemical industry. Smith accepted the award in Ottawa on Nov. 15.

Earlier this fall, Smith was honoured by The Ridge Meadows Hospital Foundation with their Humanitarian of the Year Award which recognizes contributions to the welfare of humanity and individuals who have made a lifetime commitment to improving the quality of life for people.

Smith received the 1993 Nobel Prize in Chemistry for his discovery of site-directed mutagenesis, a technique for manipulating the genetic code which has become a fundamental tool in biotechnology.

Profile

Shouldn't I Be Happy?

Postpartum depression needs to be treated seriously, says Shaila Misri

John Chong photo

Dr. Shaila Misri works tirelessly to raise awareness of psychiatric illnesses experienced by pregnant women and mothers.

by Connie Filletti

Staff writer

Dr. Shaila Misri is very happy. The clinical professor of Psychiatry and author of a newly published book, she has discovered the joys of solitude and the refuge from telephones and appointments that writing gave her.

Misri wrote most of *Shouldn't I Be Happy?* on Pender Island where she found time to walk on the beach and reflect on the need for a book that offers help to women experiencing psychiatric illnesses related to pregnancy and motherhood.

Shouldn't I Be Happy? was a logical title, Misri says. It's a question she hears often as director of UBC's Reproductive Psychiatry Program with offices at St. Paul's Hospital and B.C. Women's Hospital.

"Many women don't realize that the frustration, fear and depression they may feel after childbirth is related to that experience," Misri says. "When they do, they feel too much guilt and shame to admit it. The pressure that family, society and parenting places on them to be happy about their baby can be overwhelming."

The mother of two teenage boys, Misri is familiar with the rigours that accompany parenthood. She admits that even as an educated woman with a medical degree, specialty training in obstetrics, gynaecology and psychiatry, and a supportive spouse, she felt lost at times.

"As babies, I found my sons' needs small and primitive. It wasn't very challenging. It wasn't much fun changing diapers. It was worse not knowing why my babies were crying. Learning to be a good parent isn't like studying for an exam."

Shouldn't I Be Happy? is a reflection of how passionately Misri feels about her work and an attempt to reach out to women who may not know where else to turn for help.

Although the program was established in 1984, Misri's research indicates that, on average, seven months elapse after childbirth before a woman is referred to the clinic for treatment of postpartum depression.

It's an alarming gap, she says, when there are 7,000 babies born in Vancouver alone each year and approximately 15 per cent of people suffering from clinical depression commit suicide.

"Not many women recognize what is happening to them, and it is not uncommon for emotional disorders accompanying the reproductive cycle to go undiagnosed by health professionals," Misri says.

"I wanted to share the experience and insights gained in a psychiatric practice almost exclusively concerned with these disorders."

She is confident, however, that changing roles and expectations of women in the '90s is helping win recognition for emotional disturbances linked to reproduction as serious illnesses.

"Historically, the problems were often swept under the rug because more women than men suffer from depression. In France, it took the revolution before completely sane women were released from French prisons, some who had been there for 50 years, because they suffered from postpartum depression," Misri says.

She is ardent about making it acceptable for women to have emotional difficulties related to the reproductive cycle, and to receive help for those problems.

Hence her tireless promotion of the program, the only one of its kind in Canada. From a tiny pink office, with photographs of her sons proudly displayed on her desk, Misri oversees the day-to-day operations of the program which has attracted patients from as far east as Newfoundland, and also serves clients from California and Washington State.

Along with an interdisciplinary team of program associates, Misri counsels about 500 people a year experiencing emotional health disorders associated with everything from miscarriage to menopause.

She feels that the support of a woman's partner is a vital step on the road to recovery and encourages the husband's involvement in his wife's therapy.

Misri is currently exploring this hypothesis in a joint study with researchers at Cambridge University. They're looking at how women who suffer from postpartum depression cope with their illness when they have partner support and when they don't.

Despite the increased awareness of women's emotional health issues—and the program's growing waiting list—Misri is adamant that society should not view reproductive problems as an epidemic of the '90s.

"These problems have been with us since recorded history and are here to stay. The main difference today is that we are paying more attention to them instead of just telling women to pull up their socks and get on with their lives."

When medications are a necessary part of treating pregnant and postpartum women, Misri is cautious. She prescribes drugs only in the most extreme cases where the illness is more threatening to the patient than drug exposure. Misri also feels that, in a percentage of women, antidepressants are life-saving.

Still, she is alarmed by how "fashionable," in her estimation, drugs like Prozac have become in our society.

She rates the chapters in *Shouldn't I Be Happy?* which deal with getting professional help, including medications and their alternatives, among the most valuable to women needing to take control of their emotional health.

"I'm not advocating that every time someone says they're blue that they should seek help. What I do believe is that women shouldn't have to wait until they are in crisis," Misri says.

About 80 per cent of women experience postpartum blues, or emotional confusion after childbirth which usually disappears in a week, she added. Approximately 12 per cent of that group develop acute symptoms of depression which may include crying fits, insomnia, obsessive thoughts and panic attacks.

She stressed that although women of all marital status, income, ethnic origin and religion are susceptible to postpartum depression, the illness is more prevalent among teenagers, single mothers and women who had unwanted pregnancies. Women with a family history of mental illness are also at increased risk.

"The patients won't stop coming," Misri says with a momentary hint of fatigue. She rallies quickly and launches into plans she's developing to find secure funding for the Reproductive Psychiatry Program, which is currently supported by the two hospitals.

Somehow she is also managing to write a new book on menopause for the Johns Hopkins Press, juggle media interviews and snatch some time to enjoy the success of *Shouldn't I Be Happy?* and the prominence it is giving to women's emotional health issues.

"The only other time in my life that I received as much attention was when I was pregnant," she muses.