

UBC REPORTS

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January 11, 1996

Georgetti, Moen latest to join board

Ken Georgetti, president, CEO and chair of the board of the British Columbia Federation of Labour, has been appointed by the province to UBC's Board of Governors for a three-year term.



Georgetti

A native of Trail, B.C., Georgetti worked as a pipe fitter in the Cominco smelter located in his hometown, and became active in the United Steelworkers of America Local 480, rising to president of the local in 1981.

Three years later he was elected vice-president of the British Columbia Federation of Labour and, in 1986, became the youngest president of the federation.

Georgetti also serves as provincial vice-president of the Canadian Labour Congress and as board chair of the Working Opportunity Fund, a venture capital fund established by labour and government to promote job creation through new economic enterprises.

Active in community service, he is the honorary chair of the Association of Learning Disabled Adults and is a board member of ABC Canada, a foundation which promotes literacy. Georgetti also chairs the Pacific Region Labour Education Studies Centre, the B.C. Federation of Retired Union Workers and is a board member of Greystone Properties, the province's largest residential developer.



Moen

His public service includes sitting as a member of the Treaty Negotiation Advisory Committee on Land Claims, a governor of the Labour College of Canada and as a member of the Minister's Advisory Committee on North American Free Trade.

Georgetti is a founding board member of the Laurier Institution, a past member of the Prime Minister's National Advisory Board on Science and Technology and chaired the disputes resolution core group

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Museum of Anthropology photo

Digitized images of artifacts from the Museum of Anthropology such as these totem poles are being assembled as part of the Virtual Museum, a project which includes the Vancouver Art Gallery, Vancouver Museum and a local software company. The images will be electronically distributed around the world.

Dedicated Crane volunteer keeps recording date

by **Connie Bagshaw**

Staff writer

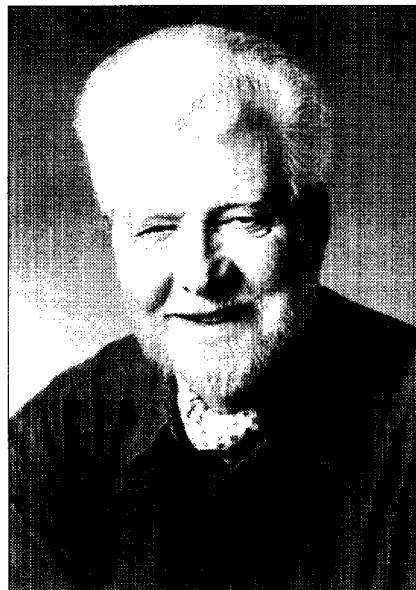
"He is immortal, not because he alone among creatures has an inexhaustible voice, but because he has a soul, a spirit capable of compassion and sacrifice and endurance."

When thinking about Michael Milner, it seems apt to use these words, spoken by American novelist William Faulkner upon receiving the Nobel Prize in 1950. It is equally fitting that the words should come from a great writer.

For more than 20 years Milner, who retired from the UBC Media Services print shop last month, has served as a volunteer narrator for the Crane Resource Centre. Narrating everything from anatomy textbooks to *Moby Dick* onto tape, Milner has enabled countless numbers of vision-impaired readers to learn from and enjoy the centre's treasury of literature.

He has been such a fixture at Crane's production studios that Paul Thiele, the centre's director, found it difficult not to treat Milner as a staff member.

"Rain or shine, Michael devoted almost every lunch hour over the past decade to reading materials onto tape for us," Thiele said. "There were many times when I was on my way to lunch somewhere on campus and I'd pass him as he was walking to Crane. I would feel



Milner

so guilty that I'd end up going back to the office."

Thiele describes Milner as the embodiment of volunteerism, and estimates that he has given well in excess of 5,000 hours to the centre, the largest single contribution by a volunteer narrator in the 25-year history of Crane.

"He is a faithful volunteer, an incredibly talented reader and an outstanding citizen," Thiele said. "Michael has quite

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Virtual anthropology museum on horizon

by **Gavin Wilson**

Staff writer

One day soon, Bill Reid's sculpture *Raven and the Birth of Men* may be seen on computer screens from Helsinki to Melbourne.

It is one of the images of important B.C. art and cultural artifacts being assembled for the Virtual Museum, a project which includes UBC's Museum of Anthropology.

MOA and other project members—the Vancouver Art Gallery, the Vancouver Museum and local software company Advanced Cultural Technologies (ACT) Inc.—will digitize hundreds of images from their collections.

The images will be stored in a high quality PhotoCD format and then possible forms of distribution will be explored, including high-bandwidth fibre optics, local and wide area networks and Internet access.

About 2,500 images have been selected for the Virtual Museum, 1,000 of them from MOA. They include art and artifacts from the early history of Vancouver, works by Emily Carr and artifacts from First Nations and other cultures.

"A project such as this offers us the ability to provide access to the museum's collection in new and exciting ways," said MOA design project manager Skooker Broome. "In many ways this is a reflection of our innovative system of visible storage, except in a digital world."

Linking the collections will also provide a more complete picture of B.C. art and culture, he added.

For example, a viewer will be able to look at totem poles from MOA's collection, and then examine a painting of the same poles by Emily Carr, who painted them in their original site.

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Governors

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of the provincial Round Table on the Environment and the Economy.

He was previously associated with UBC as a member of the dean's advisory council in the Faculty of Commerce and Business Administration. Georgetti currently serves as a member of the dean's advisory committee in the Faculty of Law.

In other board news, Lois Moen, an administrative clerk in the Faculty of Medicine, Dean's Office, Post-graduate Education, was re-elected by staff to serve on the Board of Governors for a second three-year term.

Moen has held her current position since 1989 after joining UBC a year earlier as a clerk in

the Telecommunications Dept.

A shop steward for CUPE 2950 for the past six years, she also serves as a member of the union local's executive committee and currently chairs CUPE's education committee.

First elected by staff to UBC's Board of Governors in 1993, Moen chairs the board's Occupational Health, Safety and Environment Committee and is a member of the Academic and Student Affairs Committee and the Government and Community Relations Committee.

Georgetti began his term as a provincial representative to the Board of Governors Dec. 15 and Moen will begin hers as staff representative on Feb. 1.

Museum

Continued from Page 1

Images and data will first be available to consortium members and, after copyright and intellectual property issues are better understood, to a wider audience.

These issues are "a critical point" for MOA, Broome said. There are questions about who holds the rights to images on the Internet, and some cultural material, especially that of the First Nations, may be sensitive.

"We want to be sure that these images are treated with respect and integrity. Some may be sacred objects that are not appropriate for mass dissemination," Broome said. "As a university museum we want to get involved in the intellectual discussions surrounding these issues."

Information in the Virtual Museum will be available as an archival resource, for distance education and outreach, multimedia publication, as an aid in collections management and for the research and development of B.C.'s culture and heritage.

The images will also be linked using ACT software with the current national museums database, CHIN (Canadian Heritage Information Network).

In future, the Virtual Museum will be linked through ACT to museums in the U.K., France, Germany and Norway.

The consortium recently received a \$40,000 Vancouver Foundation grant and is looking for other funding sources as the project moves ahead.

Volunteer

Continued from Page 1

a fan club among the people who use our tapes."

In recognition of his tireless service, Milner recently received the 1995 Crane Volunteer of the Year Award—an honour he may be eligible for again in the future.

Despite his retirement, Milner travels one day a week to UBC from his home in Surrey to continue his volunteer work at Crane, devoting, on average, five hours to narrating.

"I find it relaxing and entertaining," Milner said. "I've enjoyed reading most of my life. I also admire the courage of sight-impaired students, and they are all exceptional people who work at Crane, so if I can be of help, well, I don't mind a bit."

Among Milner's favourite authors are Neville Shute and James Michener. But retirement hasn't given him much time to enjoy his home library.

When he's not narrating for Crane, he volunteers with the Canadian National Institute for the Blind and indulges his other passions—woodworking, calligraphy, music and baking.

Eager to downplay his outstanding support of Crane, Milner suggests that he is best known for his almond rocca and cookies which, he's been told, are exceptional.

Omission of WRIT 098D from Registration Guide

All sections of Writing 098D, Preparation for University Writing and the LPI, were accidentally omitted from the 1995/96 Registration Guide. These sections, aimed at students with English as a first language, are running as scheduled, and students may still register for them through TELEREG. The details are as follows:

Section	Catalogue #	Day and Time	Location	Dates
01E	34636	MWF 8:30	Buch D302	January 8
05E	56714	MWF 12:30	Buch B228	January 8
704	82061	W 7-10 pm	Buch B220	January 17

For details concerning Writing 098B (for students with English as an additional language), please refer to the last page of the Registration Guide.

Phone 822-9564 for information regarding these and other Writing Centre courses. New courses include Intermediate Composition, Advanced Composition, Essay Writing, Report and Business Writing, and Thesis Writing.



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"If all your speakers are like Dr. Helena Ho, your bureau should be commended."


- UBC Speakers Bureau evaluation, November 1995

Helena Ho (Paediatrics), Donald Gibbard (Professor emeritus, Education), Erna Hagge (Human Resources) and Richard Menkis (Religious Studies) have all spoken to community groups in the past few months.

They are just a few of the more than 180 UBC faculty and staff available to speak on 750 topics through the UBC Speakers Bureau.

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Biodiversity at risk: centre seeks clues

by Charles Ker

Staff writer

The brown-headed cowbird is a cunning species of blackbird and one of many contributing factors in the decline of thrushes, chickadees, warblers and other songbirds across North America.

Zoologist Jamie Smith says the cowbird lays its own eggs in the nests of other songbirds to be raised by host "foster parents." This covert manoeuvre is done at the expense of the foster parents' natural offspring.

"The cowbird egg hatches before the host eggs and, as a result, the young cowbird grabs the lion's share of the food while the host young often starve," says Smith. "We don't really know how much of a conservation villain the cowbird is, but it's definitely been involved in the decline of some threatened songbirds."

Cowbirds are one of roughly 1.7 million species of organisms—ranging from minute bacteria to blue whales—which scientists have discovered to date. Estimates are that researchers may have between 10 to 20 million more species to discover.

While Smith's particular research interest lies with declining songbird populations, his new role as director of UBC's fledgling Biodiversity Centre has a much broader scope.

Biodiversity, a catchy term coined by Harvard University entomologist E. O. Wilson, refers to the variety of living organisms and the habitats and ecosystems in which they live. Wilson estimates that

27,000 species, most of them small tropical insects, are becoming extinct annually.

Smith and his colleagues at the centre are hoping to describe the variety of poorly known organisms like insects, fungi and micro-organisms, and to find ways of slowing the high rates of extinction of populations and species.

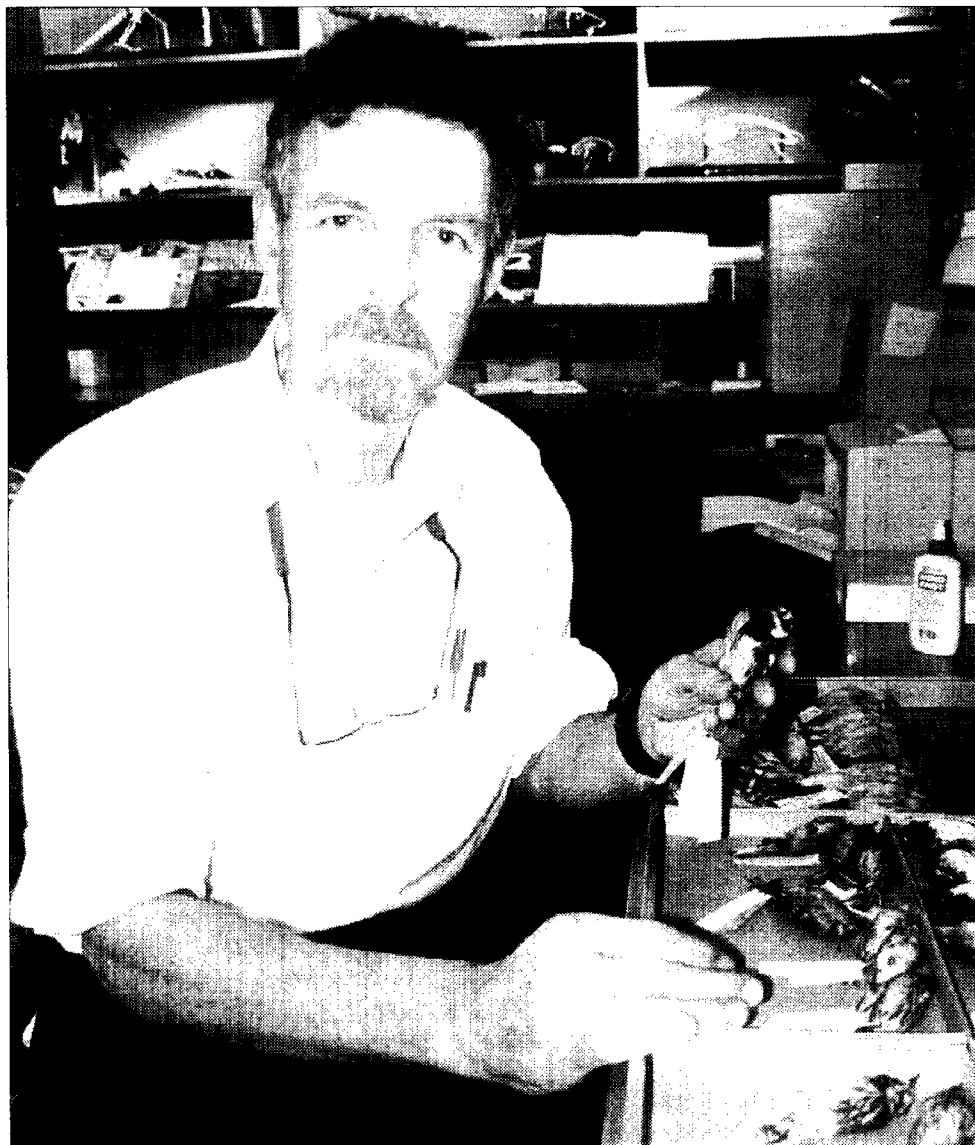
"Species are becoming extinct faster than they are being discovered and most of the extinctions are of undescribed species," says Smith.

The Biodiversity Centre will act as an umbrella organization for what Smith calls the critical mass of researchers on campus who share common conservation interests.

Scholars from botany, zoology and microbiology will form the nucleus of the new cross-disciplinary enterprise. The centre will also draw upon oceanography, geology and math as well as multidisciplinary initiatives like the Sustainable Development Research Institute, Westwater Research Centre and the Centre for Applied Conservation Biology in the Faculty of Forestry.

Smith says the first order of business for the centre will be to form an executive of key people on campus to marshal interest and provide direction.

Smith adds that the Faculty of Science already has considerable expertise in biodiversity. The centre will help focus this expertise within a single unit. Says Smith: "Right now we're just a name on paper, but we will soon get things moving."



Charles Ker photo

As populations of songbirds and other species decline across North America Director Jamie Smith and others at UBC's Biodiversity Centre work to describe threatened organisms and discover ways of slowing high rates of extinction.

Year-round schooling delivers educational benefits, study finds

by Connie Bagshaw

Staff writer

Students attending year-round or multi-track schools surpass their peers in traditional schools when it comes to reading and increasing their average achievement, says a UBC researcher.

It's just one of the results to date Asst. Prof. Carolyn Shields has documented in her ongoing study of year-round schooling.

Since 1990, Shields, of UBC's Dept. of Educational Studies, has examined student achievement data for the Delphi school district in Utah, which has the third highest number of year-round schools in America.

Her study also includes data gathered from a visit to Calgary's Terry Fox Junior High School, Canada's first multi-track school, which opened in July last year.

"For approximately 25 years, a number of school districts throughout the United States have experimented with a variety

of forms of year-round schooling," Shields explains.

"In Canada, although the topic of year-round schooling has been studied with varying degrees of intensity for most of this century, very few projects have actually been implemented."

Two months ago, B.C.'s Ministry of Education announced that it would offer incentives to schools and districts which implement some type of year-round program. Shields will expand her study to include B.C. schools which adopt a multi-track system. A small elementary school in Maple Ridge will be the first to test year-round schooling.

In addition to surveying elementary school administrators, teachers, students and their parents at each type of school to determine the effects of different schedules on academic performance, Shields has also been examining the non-academic consequences that students experience.

Her study suggests that the school year calendar is not a major factor in determining the quality of the educational experience students receive.

Students' perceptions of themselves as learners, peer relationships, independent development, career preparation or enjoyment of school do not differ, based on whether they receive a traditional year education or attend a year-round school, Shields reports.

She will present these and other research results in an address entitled *Year-Round Schooling: Is It Worth The Hassle?* on Jan. 23 as part of the Faculty of Education's lecture series on important educational issues in B.C. Shields will also discuss some of the conceptual issues related to year-round schooling.

The free lecture starts at 7:30 p.m. in the Judge White Theatre at the Robson Square Conference Centre. For more information, call 822-6239.

Program exported to U.S.

by Stephen Forgacs

Staff writer

An agreement between the Faculty of Commerce and Business Administration and a large U.S. professional association is seeing one of the faculty's specialized real estate programs offered to thousands of Americans.

"It's a traditional correspondence offering," said Robert Laing, executive director of the faculty's Professional Programmes. "But the magnitude of enrolments could be something we have not experienced before."

The International Association of Assessing Officers (IAAO) has agreed to offer UBC's Certificate Programme in Real Property Assessment to its 25,000 members.

UBC has been offering the program to members of Canada's assessment industry for four years, said Andre Gravelle, manager of the Diploma and Certificate Programmes. The course is being offered in the U.S. starting this month.

"This is really a test offering," Gravelle said. "By next September the course will be more closely adapted for the U.S. models."

Laing said the IAAO was interested in offering the course because it provides an alternative to classroom courses for those living in smaller communities away from the major population centres where IAAO courses are offered.

The course requires students to generate computer models for property assessment purposes. It is designed to give them the skills to create mass appraisal computer models, which help increase the efficiency and quality of property assessments.

Review committee to maximize benefits for limited drug dollars

A UBC-based initiative has been established to review the cost-effectiveness of new drug therapies for the provincial government's Pharmacare program.

Heading the Pharmacare-economic Initiative Scientific Committee (PISC)—whose members will include health economists, biostatisticians, clinical epidemiologists and physicians—is Dr. Aslam Anis, assistant professor of Health Care and Epidemiology and a health economist at St. Paul's Hospital.

Pharmacare costs have doubled to \$407 million over the past five years and may double again without policies that assess the newer and more expensive drugs.

"In 1993, for the first time, the cost of

drugs to Canada's health care system surpassed that of physicians," Anis said.

Among the reasons for rising pharmaceutical costs are long development periods and the use of expensive raw materials or sophisticated biotechnology processes. As well, the market structure results in large monopoly firms being exempt from competitive pricing pressures, he said.

Pharmacare-economic analysis compares the costs of medications and factors in health and social costs and benefits.

These include the number of repeat prescriptions required, the need for other prescriptions, the effect of the drug on workdays lost, the likelihood of patient hospitalization and the effect of the drug

on patient quality of life.

The objective is not cost-cutting, but maximizing the benefits from the limited number of dollars available for drugs, Anis said.

The initiative will also work on streamlining national cost-effectiveness guidelines to fit B.C.'s plan to give drug manufacturers a framework for new drug approval submissions.

The Dept. of Health Care and Epidemiology will receive \$300,000 over three years from the Ministry of Health to set up PISC. The ministry has also provided \$300,000 over three years to support PISC-related personnel, symposia and pharmacoeconomic research projects.

Calendar

January 14 through January 27

Monday, Jan. 15

Science and Society

Uncertainty In Risk Assessment: Implications For Professionals. Chris MacDonald, Centre for Applied Ethics. Green College recreation lounge, 8pm. Call 822-6067.

Comparative Literature Colloquium

Speech, Act, Romanticism. Angela Esterhammer, Comparative Literature, U Western Ontario. Green College recreation lounge, 4pm. Call 822-6067.

Lecture

Hoar Lecture: Endothermy In Fish: Thermogenesis, Ecology And Evolution. Barbara Block, Hopkins Marine Lab., Stanford U. BioSciences 2449, 4:30pm. Refreshments. Call 822-4228.

UBC Graduate Students' Conference.

Writing As Self-Translation. Dr. Teresa de Lauretis, History of Consciousness, UC Santa Cruz. Identity and Alterity in Language and Literature. Green College dining hall, 4:30pm. Admission \$5 students. \$10 faculty. Buffet reception following \$5. Pre-registration necessary. Call 732-0375.

Tuesday, Jan. 16

Seminar

Resource Planning: Pursuing "Peace In The Woods." Dennis O'Gorman, assistant deputy minister, Ministry of Environment. Lasserre 107, 12:30-1:30pm. Call 822-3914.

Centre For Chinese Research Seminar

Memory And The Art Of Reading From Zhu Xi Dushufa To 17th Century Dufa. Dr. Alison Bailey, School of Oriental and African Studies, U of London. Asian Centre 604, 12:30-2pm. Call 822-2629.

Seminar

Biology In Northwestern America: Ecology's Natural Laboratory, 1900-1930. Keith Benson, Director, College Studies Program Medical History and Ethics, U of Washington. BioSciences 2000, 12:30-1:30pm. Call 822-2133.

Seminar

Intralesional Delivery Of Taxol For The Treatment Of Solid Tumours: Any Role For Proteases? Stephen Dordunoo, Research Associate, Pharmaceutical Sciences and Angiogenesis Technologies Inc. IRC 13, 12:30-1:30pm. Call 822-4645.

Seminar

Effects Of Host Plants, Herbivores, And Predators On Spatial And Temporal Distributions Of Leaf Beetles On Willows. Mike Raupp, Entomology, U of Maryland. Host, Judy Myers, Family/Nutritional Sciences 60, 4:30pm. Refreshments in Hut B8, 4:10pm. Call 822-3957.

Green College Speaker Series

Voyeur, Sleuth, Impresario: Editing The Lowry Letters. Sherrill Grace, Dept. of English. Green College recreation lounge, 5:30-6:30pm. Reception in Graham House, 4:45-5:30pm. Call 822-6067.

Wednesday, Jan. 17

Seminar

Carbamazepine In The Management Of Aggression. Adil Virani, Pharm. D. student, Faculty of

Pharmaceutical Sciences. Vancouver Hosp./HSC, Koerner Pavilion, G41/42, 4:30-5:30pm. Call 822-3183.

Respiratory Research Seminar Series

Does The Airway Submucosa Represent A Significant Load To The Smooth Muscle? Barry Wiggs, Asst. Prof. of Medicine. Doctors residence, Vancouver Hosp./HSC, 2775 Heather St., 3rd floor, conference room, 5-6pm. Call 875-5653.

President's Lecture

Converting Rome: Architecture And Politics Between Pagan And Christian. Janet DeLaine, U of Reading. Lasserre 102, 12:30pm. Call 822-2889.

President's Lecture

Building The Eternal City. Janet DeLaine, U of Reading, MOA, theatre gallery, 8pm. Call 822-2889.

Seminar

Common To Whom? Social Justice And Fisheries Management. Tony Davis, St. Francis Xavier U. Ralf Yorke room, Fisheries Centre (Hut B8), 3-4pm. Call 822-0618.

Noon Hour Concert

Beth Orson, oboe, Jesse Read, bassoon, Terence Dawson, piano. Music, recital hall, 12:30pm. \$2.50 at the door. Call 822-5574.

Senate

The Fifth Regular Meeting Of The Senate, UBC's Academic Parliament. Curtis 102, 8pm. Call 822-2951

Thursday, Jan. 18

Critical Issues in Global Development Seminar

The Loss Of Cultural Diversity With Global Computerization. C.A. Bowers, U of Oregon. Green College recreation lounge, 8-10pm. Call 822-6067.

Lecture

On His Work. George Baird, architect, Toronto. Lasserre 102, 12:30pm. Call 822-2779.

Hort Club Seminar

Medicinal Plants. Brian Compton and Elaine Stevens. MacMillan 318D, 1-2:20pm. All welcome. Call 822-0894.

Scholarly Colloquia

Women Caregiving To Husbands Who Have Alzheimers: A Grounded Theory Study. JoAnn Perry, RN PhD, School of Nursing, Vancouver Hosp./HSC, UBC School of Nursing, T206, 4:30-5:30pm. Call 822-7453.

CICSR Faculty Forum

Learning To Recognize 3-D Objects. David Lowe, Prof. Computer Science. CICSR/CS Building, 208, 4-5pm. Refreshments. Call 822-6894.

Students for Forestry Awareness Speaker Series

Vicky Husband, Chair, BC Sierra Club, MacMillan 166, 12:30pm. Refreshments. Call 274-4730.

Friday, Jan. 19

Occupational Hygiene Seminar

Asleep At The Wheel, A Study To Identify Fatigue Among Long-Haul Truck Drivers. Gunter Siegmund, P. Eng., MacInnis Engineering Associates. Vancouver Hosp./HSC, Koerner Pavilion, G279, 12:30-1:30pm. Free. Call 822-9595.

Theoretical Chemistry Seminar

The X-Files: Liquid Crystal Interface Kinetics. R. Moss, Dept. of Chemistry, Chemistry, D402 (centre block), 4pm. Call 822-3266.

Mathematics Colloquium

Minimal Surfaces in 4-Manifolds. G. Tian, M.I.T. Mathematics 104, 3:35pm. Refreshments 3:15pm. in Math Annex, 1115. Call 822-2666.

Grand Rounds

Non-ketotic Hyperglycinemia: A Paradigm For New Trends In Genetic Diseases. Dr. Hilary Vallance, Dept. of Pathology, Children's Hospital. Dr. Harold Siden, Div. of Developmental Paediatrics, Sunny Hill Health Centre. GF Strong auditorium, 9am. Call 875-2307.

Rounds

Geriatric Assessment. Dr. Reva Adler, Medical Director, Geriatric Consultation Team Vancouver Hosp. Mather 253, 9-10am. Paid parking in B Lot. Call 822-2772.

AMS, Your UBC Forum

Teaching And Evaluation. SUB Conversation Pit, 12:30-2:30pm. Call 822-1961 or 822-3092.

Saturday, Jan. 20

Laurel Pavilion Open House

Vancouver Hospital Invites Public To Tour New Facility. Laurel Pavilion, 899 West 12th Avenue, 12-4pm. Continues Sun., Jan. 21. Call 875-4838.

Monday, Jan. 22

Medieval And Renaissance Studies

Love Pedagogy And The Social Roots Of Courtly Love. Stephen Jaeger, U of Washington. Green College small dining room, 4:30-6:30pm. Call 822-6067.

Lecture

Knowledge As Activity And Membership: Learning By Doing. Anthony Paré, director, Centre for the Study and Teaching of Writing, McGill U. Ponderosa Annex F, Room 103 (LERC), 12 noon. Call 822-6502.

Tuesday, Jan. 23

Inst. of Asian Research Seminar

Russia After Election. Alex Batler, IAR Honorary Research Asso-

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ciate. Asian Centre 604, 12:30-2pm. Call 822-2629.

Seminar

Colonization By An Introduced Seagrass: Implications For Ecosystem Dynamics. Paul G. Harrison, Dept. of Botany. BioSciences 2000, 12:30-1:30pm. Call 822-2133.

Medical Genetics Seminar

Chromosome Microdissection: Applications And Potential. Dr. Douglas Horsman, Pathology, Wesbrook 201, 4:30-5:30pm. Refreshments at 4pm in Wesbrook 226. Call 822-5312.

Seminar

Current Oral Formulation Issues Involving Poorly Water Soluble, Low Molecular Weight Drugs. Meredith L. Cotton, director, Technical Affairs, Pharmaceutical Research and Development, Merck Frosst Canada Inc. IRC #3, 12:30pm. Call 822-4645.

Public Lecture

Year-Round Schooling: Is It Worth The Hassle? Carolyn Shields, Asst. Professor, Dept. of Educational

Studies, Faculty of Education. Robson Square Conference Centre, Judge White Theatre, 7:30-10pm. Admission free. Reception to follow. Call 822-6239.

Lecture

You Are Here: Information Drift. Laura Kurgan, New York, Lasserre 102, 12:30pm. Call 822-2779.

Green College Speaker Series

The Addicted Brain. A. Phillips, Dept. of Psychology. Green College recreation lounge, 5:30-6:30pm. Reception in Graham House, 4:45-5:30pm. Call 822-6067.

Wednesday, Jan. 24

Seminar

Bone Marrow Transplantation In Breast Cancer. Robin O'Brien, Pharm.D. student, Faculty of Pharmaceutical Sciences. Vancouver Hosp./HSC, Koerner Pavilion, G279, 4:30-5:30pm. Call 822-3183.



THE UNIVERSITY OF BRITISH COLUMBIA

To: **Members of the UBC Community**

From: Daniel R. Birch, Vice-President and Provost, and Chair, President's Advisory Committee on Space Allocation (PACSA)

Re: **Official Community Plan**

By mutual agreement the GVRD is managing the public process involved in development of an Official Community Plan for UBC. UBC's formal contribution to the process is in the form of Land Use and Development Objectives and Planning Principles. These were developed with much consultation and approved by the Board of Governors last year. Members of the community (including the immediate University community) have participated in public workshops and will, no doubt, continue to do so. We recognise, however, that there may be some matters on which people wish to structure their suggestions, and to ensure that they reach the Planning Advisory Committee. Therefore, PACSA has invited submissions and will serve as an additional communication channel to ensure that matters raised come to the attention of the Technical Advisory Committee and Planning Advisory Committee. PACSA includes all members of the Senate Academic Building Needs Committee, plus representatives of all major campus units and the theological colleges. Submissions may be in one of two forms:

1. Written submissions will normally be focussed on a particular issue or question and will be two pages or less in length.
2. Should a Department or Faculty wish to make a submission related to the accommodation of its mission and function, the written submission may be followed by a presentation at a meeting of PACSA scheduled for Thursday, January 11, 4:00-6:00 pm, or Monday, January 15, 4:00-6:00 pm, in the Board and Senate Room, Old Administration Building.

Submissions should be forwarded to PACSA, c/o Tim Miner, Director, Campus Planning and Development, marked "Official Community Plan." Those wishing to make a presentation should contact Tim Miner at 822-8228.

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 January 25 issue of UBC Reports — which covers the period January 28 to February 10 — is noon, January 16.

Calendar

January 14 through January 27

Microbiology and Immunology Seminar

Possible Roles Of Ribozymes In The Origin And Early Evolution Of Life. Jack W. Szostak, Dept. of Molecular Biology, Massachusetts General Hospital, Westbrook 201, 12:30-1:30pm. Call 822-3308.

Respiratory Research Seminar

Ice Hockey Lung: Nitrogen Dioxide In Ice Skating Facilities. Michael Brauer, Asst. Professor of Medicine, Vancouver Hosp. Doctors residence, 2775 Heather St., 3rd floor conference room, 5-6pm. Call 875-5653.

Seminar

Ecology And Evolution Of A Resource Polymorphism In Sunfish. Beren Robinson, Zoology. Host, Judy Myers, Family/Nutritional Sciences 60, 4:30pm. Refreshments in Hut B8, 4:10pm. Call 822-3957.

Centre for Applied Ethics Colloquium

Genetics And Kinship: The Double-Bind Of Family Members In Genetic Testing. William Mckellin, Anthropology and Sociology Dept. Angus 413, 4-6pm. Call 822-5139.

Opera Panel Discussion

Bizet's Carmen. Susan Bennett (Vancouver Opera), Nancy Hermiston (Music), Floyd St. Clair (French) and Andrew Busza (English). Buchanan penthouse, 12:30pm. Call 822-4060.

Information Day

Beyond First Year. Find out about the numerous options available to you once you have completed first year Science. SUB ballroom, 12-2:30pm. Call 822-9012.

Noon Hour Concert

Ed Norman, organ, Martin Berinbaum, trumpet. Music recital hall, 12:30pm. \$2.50 at the door. Call 822-5574.

Thursday, Jan. 25

Genetics Graduate Program Seminar

Developmental Control Of Phenolic Metabolism In Plants:

Search For Regulatory Genes And Avenues For Biotechnological Intervention. Carl Douglas, Dept. of Botany, Westbrook 201, 4:30pm. Refreshments. Call 822-8764.

Invited Speaker Series

Matrix—The Mother Of All Data Structures. Cleve Moler, chairman and chief scientist, the Mathworks Inc. CICS/CS 208, 4pm. Refreshments. Call 822-3061.

Law and Society, Brown-Bag Socio-Legal Discussion

A Discussion Of F. Kay's Book Gender In Practice: A Study Of Lawyers' Lives. Fiona Kay, Sociology, Green College small dining room, 12-1pm. Call 822-6067.

Workshop

TAing On A Multicultural Campus. Christina Pikiros and Katherine Beaumont, Intercultural Training and Resource Centre, Continuing Studies, International House lower lounge, 5:30-8:30pm. Call 822-1437.

Students for Forestry

Awareness Speaker Series The Role Of The Forest Alliance In Land Use Debates. Jack Munro, Chair, BC Forest Alliance, MacMillan 166, 12:30pm. Refreshments. Call 274-4730.

Distinguished Artists Concert

Martin Beaver, violin; with Robert Silverman, piano. Music recital hall, 8pm. Adult \$17, student/senior \$9 (GST included). Call 822-5574.

UBC Board of Governors Meeting

Open Session, 9:00am. Old Administration Bldg, 6328 Memorial Road, Board and Senate Room.

Friday, Jan. 26

Theoretical Chemistry Seminar

Kinetic Roughening During Molecular-Beam Epitaxy Growth. T. Tiedje, Dept. of Physics, Chemistry D402 (centre block), 4pm. Call 822-3266.

Occupational Hygiene Seminar

A Validation Study Of A Mill Specific Job Exposure Matrix In The BC Pulp And Paper Industry. George Astrakianakis, M. Eng., Research Scientist, Division of Epidemiology and Cancer Prevention, BC Cancer Agency, Vancouver Hosp./HSC, Koerner Pavilion G279, 12:30-1:30pm. Call 822-9595.

Seminar

Understanding River-Floodplain Ecosystems: Why Are They So Productive? Ralf Yorke Room, Fisheries Centre (Hut B8), 11:30am-12:30pm. Call 822-0618.

Seminar

Development In Your Community. Jacques Khouri, president Khouri Realty, Buchanan D333, 12:30-1:30pm. Call 822-3914.

Lecture

Recording Practices In Social Work Agencies And Departments: Examining The Interaction Between Discourse Practices And Disciplinary Thought. Anthony Paré, Centre for the Study and Teaching of Writing, McGill U. School of Social Work, Jack Bell Building, 124, 12:30-1:30pm. Call 822-2255.

Mathematics Colloquium

Polymers, Percolation And Critical Exponents. G. Slade, McMaster U. Mathematics 104, 3:35pm. Refreshments at 3:15pm in Math Annex 1115. Call 822-2666.

Rounds

The Canadian NICU Network. Shoo Lee, Asst. Prof., Dept. of Paediatrics, director, Centre for Evaluation Sciences, BC Research Institute for Child and Family Health, Mather 253, 9-10am. Paid parking available in B Lot. Call 822-2772.

Grand Rounds

Strategies And Progress In Gene Therapy In The Treatment Of Human Disease. Dr. Suzanne Lewis, Clinical Assistant Professor, Dept. of Medical Genetics, GF Strong auditorium, 9am. Call 875-2307.

Saturday, Jan. 27

Vancouver Institute Lecture

Prosperity Or Decline: Canada's Choice. J. Fraser Mustard, C.C. President, Canadian Institute for Advanced Research, Toronto, IRC #2, 8:15pm. Free public lecture. Call 822-3131.

Laurel Pavilion Open House

Vancouver Hospital Invites Public To Tour New Facility. Laurel Pavilion, 899 West 12th Avenue 12-4pm. Also January 28. Call 875-4838.



Please Recycle

Notices

Language Programs

Registration with Continuing Studies is underway for weekly French, Spanish, Japanese, Mandarin, Cantonese, Italian, German, Arabic, Hindi and Punjabi conversation classes. Evening and Saturday morning classes begin January 20, Buchanan D Block, 3rd floor. \$245. For course times and registration information call 822-0800.

Badminton Drop-In

Faculty/Staff/Grad Students are welcome at the Student Recreation Centre, Mondays, 6:30-8pm, and Wednesdays, 6:45-8:15pm. Bring your library card. E-mail ratkay@unix.infoserve.net or call 822-6000 to check for cancellations.

Morris and Helen Belkin Art Gallery

Rodney Graham, Robert Filliou, January 27-March 2, 1996. Organized by the Art Gallery of York University. Gallery hours are Tuesday - Friday 10am-5pm and Saturday, 12-5pm. 822-2759.

UBC Nursing and Department 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, Assistant Professor, UBC School of Nursing at 875-7447.

UBC Zen Society

Meditation sessions will be held each Monday during term from 1:30 to 2:20pm in the Tea Gallery of the Asian Centre. All welcome. Call 228-8955.

Grad Students Wanted

To run in the upcoming '96 GSS Executive Elections. Brochures outlining the duties of the president, dir. of administration, dir. of student affairs and dir. of services and the remuneration of these positions are available at the GSS office. Nominations close on February 2, 1996 at 5pm. Take a stand and make a difference. Call 822-3203 for more information.

Personality Type, Stress and Coping Study

Would you like to learn about your personality type? I am a UBC Counselling Psychology Masters student looking for volunteers for my thesis study. If you are female, age 30-45, extroverted, have never written the Myers-Briggs Type Indicator, speak/read English fluently and would agree to be interviewed call Heather Wolfe 327-7722. (No current or former counselling students, please!)

Calling all UBC Authors!

Are you the author of a book published between January 1995 and December 1995? If so, we would like to hear from you!

On March 21, 1996 President David Strangway and University Librarian Ruth Patrick are hosting the 6th Annual Reception for UBC Authors.

If you're a UBC author, please contact Margaret Friesen or Pauline Willems Main Library (822-4430/822-2803) by January 31, 1996



THE UNIVERSITY OF BRITISH COLUMBIA DIRECTOR, BIOMEDICAL RESEARCH CENTRE

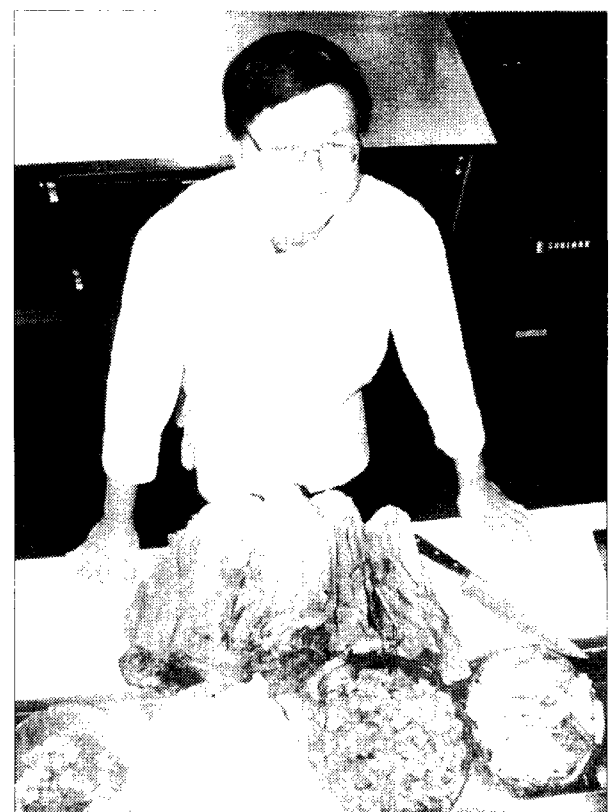
The University of British Columbia invites internal applications for the position of Director of the Biomedical Research Centre. The mission of the Centre, opened in 1988, is to provide an internationally recognized centre of excellence in basic medical research. The Centre is housed in an attractive building with excellent research facilities. Currently there are five faculty members who enjoy a high level of research funding; expansion is anticipated. An active graduate program attracts students drawn from a number of basic science and clinical departments. In addition to his/her position in the Centre, the Director will hold an academic appointment in an appropriate University department.

Applicants should have an outstanding research record, an active, well supported research program, a commitment to interdisciplinary research, demonstrated scientific leadership skills and a willingness to actively develop sources of external funding. A curriculum vitae, the names of three referees and a short summary of research interests should be sent to Dr. Martin J. Hollenberg, Dean, Faculty of Medicine, 317-2194 Health Sciences Mall, Vancouver B.C., V6T 1Z3, Canada.

Salary will be commensurate with qualifications and experience and will be subject to final budgetary approval. The starting date is negotiable.

UBC welcomes all qualified applicants, especially women, aboriginal people, visible minorities, and persons with disabilities.

Closing date for receipt of applications is January 31, 1996.



Salad Fixins

Shao Ta Yang, apprentice chef at Green College, recently won the silver medal at the Victoria Culinary Arts Food Show. The event, sponsored by the British Columbia Chef's Association, was open to chefs, apprentice chefs and culinary students from across Canada.

News Digest

Nominations are being accepted for this year's President's Service Awards for Excellence.

Up to five of the \$5,000 awards are given each year to recognize excellence in personal achievements and outstanding contributions to UBC. Winners also receive an engraved gold medal.

All university employees, including staff, faculty, senior academic and administrative personnel are eligible.

All UBC employees may nominate candidates for this award. Nomination forms are available from all departments or by calling the Ceremonies Office at 822-2484. The deadline for nominations is Feb. 28.

.....

Registration statistics for the 1995 winter session indicate that demand for admission to first year studies at UBC remains high.

"The number of admissions is about the same as last year, despite a small decline in demand from transfer students," said UBC Registrar Richard Spencer.

There were 21,139 applicants this year, with about 52 per cent of the students seeking enrolment in the faculties of arts and science.

The average grade held by students entering from high school has risen slightly over last year, from 84.76 per cent to 85.2 per cent.

This year, the minimum percentage for admission to first year in the faculties of arts and science were 74 per cent and 82 per cent respectively.

There are 18,059 full-time undergraduate students and 5,198 full-time graduate students currently enrolled at UBC.

.....

Dr. Lynn Raymond, assistant professor of Psychiatry, is the first researcher to be supported by a new B.C. Health Research Foundation fund.

The foundation recently received a \$100,000 donation to establish an endowment for medical research in Parkinson's disease and related neurodegenerative and movement disorders in adults.

The donation was made by James and Donna-Mae Moore of White Rock.

Grants will be awarded to promising researchers for basic and clinical research into the causes, cures, prevention and treatment of Parkinson's and related disorders.

.....

Six cash prizes totaling \$45,000 will be awarded by The Canadian Council of Professional Engineers (CCPE) to promote excellence in the Canadian engineering profession through advanced studies and research programs.

To be eligible candidates must be registered as full members with one of the provincial or territorial professional engineering associations, and have been accepted for post-graduate studies by a recognized university.

The deadline for applications is May 1, 1996. For further information contact the National Scholarship Program, CCPE, 401-116 Albert St., Ottawa, Ont., K1P 5G3. Fax: (613)230-5759 or E-mail: lmacdon@fox.nstn.ns.ca.

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 January 25, 1996 issue of UBC Reports is noon, January 16.

Accommodation

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

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

POINT GREY LOCATION! Impeccable 5 bedroom 2 story with suite near UBC and Pacific Spirit Park and beach. Home has been lovingly updated retaining charm and character. Priced at \$519,000. Cynthia Chiasson or Evelyn Singer, Dexter Properties Inc. 263-1144.

Accommodation

KITS CONDO 1 bedroom, sunny, corner, concrete building. Near beach, Granville Island, transportation to UBC. 600 sqft plus large deck. Gas fireplace, 6 appliances. No pets, lease. Prefer single, long term tenant. \$975 plus elec. 264-0232.

JERICHO TOWN HOUSE for rent. Fully furnished, near UBC. Delightful, bright and cosy, 2-bedroom home with den, 2 bathrooms, garage and pleasant garden. Renting from May 1996. 1-2 year lease to 2-3 people. Non-smoking, no pets. \$1500/month. References required. Call (604) 733-7986.

Housing Wanted

WANTED: HOUSE TO RENT Small family seeking 3 bedroom home in quiet neighbourhood close to UBC. Looking to rent long-term, starting in the spring of '96. Non-smokers, professional, very clean, quiet, responsible and trustworthy. Will care for garden and yard. References available. Please call Cindy at 533-0443.

WANTED TO RENT West Side. Near UBC. 6 bedroom + house unfurnished. For mature writer and graduate student and their 4 children. Call Ian 731-5427.

Next ad deadline:
noon, January 16

Services

LICENSED ELECTRICIAN (#26144) living in the area. Specializing in home repairs and installations. Reasonable. Available anytime. Call Brian 739-1466.

FACULTY PENSION and RRSP Asset Allocation Service. Let me remove the worry and hassle of making your pension and RRSP investment decisions! I use sophisticated computer software to analyse your investment personality and retirement goals to optimize your entire retirement portfolio. Call Don Proteau, B.Comm., R.F.P. at 687-7526 to receive a free Asset Allocation Kit. References available. RETIRE EARLIER WITH MORE!

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530-6281

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WHITE ROCK HONDA
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MARY JONES HONDA
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465-5464

REGENCY HONDA
445 Kingsway 873-3676

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Green College is able to host visiting groups during the months of July and August. Up to 30 rooms are available, with a minimum stay requirement of three weeks per group.

Dining is an integral part of Green College's communal and academic life and as such room rates include breakfast and dinner 5 days per week.

For further information please call Green College at 822-8660 or e-mail: greencol@unix.ubc.ca

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Forum

Making UBC truly responsive to persons with disabilities

By Ruth Warick

Ruth Warick is director of UBC's Disability Resource Centre.

As we head into the last five years of this decade before beginning a new millennium, it gives pause for reflection. Thirty years ago I entered university as a first-year student, in an era when disability was not a commonplace word, and at a time when there were no support services in place for students with disabilities and no office for disability services.

Having a hearing loss, this lack of support meant that I spent countless classroom hours not hearing what was being taught by the instructor, nor what was discussed by classmates. It was worse when class lights were dimmed for slides, thus preventing lip-reading. At the time assistive listening devices to amplify sound were not available. Somehow I survived but I am glad to be in a position now, through the Disability Resource Centre, to work towards eliminating or reducing frustrations and difficulties for other persons with disabilities.

In my lifetime I have seen the climate change toward the greater inclusion of persons with disabilities. It does well to remind ourselves of how far we have come, while still recognizing that much remains to be done.

In both Canada and the United States, persons with disabilities have benefited from improvements made for returning war veterans. As well, three additional influences have effected changes in the climate for persons with disabilities.

The exclusion of persons with disabilities from public schools, and therefore also from institutions of higher learning, turned around in the '60s and '70s as mainstreaming into regular schools became more commonplace.

Society has moved a long way toward the awareness



Warick

that persons with disabilities have a right to fully participate in all that society has to offer. High profile events such as the International Year of Disabled Persons in 1981 helped to lead off a decade of greater awareness. The Man in Motion World Tour by Rick Hansen in 1987 was another event that raised awareness of important issues for persons with disabilities. In the United States, legislative changes have included the Americans With Disabilities Act, passed at the beginning of this decade. In Canada both federal and provincial changes in human rights legislation, such as the Charter of Rights and Freedoms and the Equal Rights Amendments, have provided a legislative foundation for the inclusion of persons with disabilities in post-secondary institutions.

Since the 1980s, most post-secondary institutions in Canada have established offices for disabled students: the role of these offices is to assist students with disabilities to integrate successfully into the post-secondary institution. At UBC the Disability Resource Centre and Crane Resource Centre, which is a unit of the Disability Resource Centre, perform this role, as well as serving faculty and staff. We recognize that much more needs to be done to improve the university climate for persons with disabilities and, in particular there needs to be:

- *More Research:* We need better information about

outcomes related to support services and other strategies for students and staff with disabilities in higher education.

- *Greater Awareness:* A survey conducted of students with disabilities resulted in over 85 per cent of students rating instructors' attitudes as good to very good. However, a significant number of students cited a need for more accepting attitudes and greater awareness by instructors. Much of the concern relates to instructors having information about reasonable accommodation requirements and the supports necessary to meet those needs.

- *Continued Improved Physical Access:* While much has been done to make the UBC campus physically accessible, we are still a long way from being a barrier-free environment. This issue has been identified as a priority in surveys conducted over the last four years by the Disability Resource Centre.

- *Continued Change of the Culture:* Post-secondary institutions are still in the process of fully recognizing and responding to the needs of students, staff and faculty with disabilities. Our challenge at UBC is to create a culture that is welcoming for them.

The Disability Resource Centre (including the Crane Resource Centre) and the Rick Hansen National Fellow Programme, as well as persons with disabilities themselves, are agents for bringing about changes and improvements. However, the educational institution, its administrators, faculty, instructors, staff and students, must share in the responsibility of bringing about the changes necessary to make UBC truly responsive to persons with disabilities. This is a goal which we should aim to reach before the end of the decade.

People

by staff writers

Gene Joseph was recently appointed head of the First Nations House of Learning Xwi7xwa Library. Joseph, who has a Bachelor of Arts and Master of Library Science from UBC, had been working with the First Nations House of Learning as a consultant since 1993.



Joseph

The First Nations House of Learning opened in 1987. It was established to make the university more accessible to native students and increase enrolment in all faculties, and to help UBC's departments, schools and institutes make their course offerings more relevant to First Nations people.

The library contains a collection of more than 5,000 documents relating to the First Nations.

Prior to coming to UBC, Joseph worked for six years as a consultant for the Gitksan and Wet'suwet'en hereditary chiefs during the Delgamuukw land claims case.

Joseph, who is of Wet'suwet'en and Carrier descent from Hazelton, B.C., has worked in First Nations libraries for 15 years.

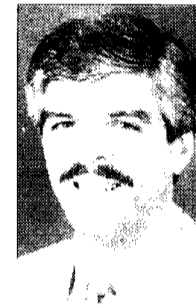
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Psychology Prof. Larry Walker was recently elected to a three-year term as president of the Association of Moral Education.

The association is a U.S.-based international scholarly organization devoted to theory and practice in the field of moral development and education.

Walker's research looks at people's conceptions of morality and the role of family and friends in children's moral functioning.

Walker, who has won a Killam Research Prize and the Psychology Dept.'s teaching prize, was previously on the association's executive board.



Walker



David Cooper photo

Doctor in disguise

John Juliani (left) and Sophie Yendole star in the Vancouver premiere of *Tiger's Heart*, a compelling theatrical account of the true tale of Miranda Barry, a woman who, in the 19th century, disguised herself as a man to practice as a medical doctor. *Tiger's Heart* runs at the Frederic Wood Theatre Jan. 10 to 20 and Jan. 25 to 27. Call 822-2678 for ticket information.

Staff association elects new executive board

Members of UBC's Association of Administrative and Professional Staff (AAPS) have elected their executive board for 1996.

Re-elected as AAPS president is Justin Marples, the administrative manager in the School of Human Kinetics.

Marples, who joined UBC in 1981, has been an AAPS member for the past 15 years and previously served as the association's treasurer and first vice-president.

Also acclaimed are: first vice-president Sarah Dench

(Women Students' Office); treasurer Michael Shepard (Education Computing Services); secretary Bonnie Schoenberger (Community and Regional Planning); member-at-large Doug Bramley (Plant Operations); member-at-large Jo Hinchliffe (Women's Studies Programme); and member-at-large Rosemary Pantalone (Awards and Financial Aid).

Newly elected to the AAPS executive board are: member-at-large Lorraine Arams

(Dean's Office, Faculty of Applied Science); second vice-president Janet Mee (Disability Resource Centre); and member-at-large Doug Napier (Plant Operations).

Past President Sue Eldridge (Psychology Dept.) will serve as an ex-officio member.

AAPS, which currently has over 500 members, was founded on campus in 1977 and is the bargaining agent for all management and professional staff at UBC.

Open House/Public Forum Official Community Plan for UBC

- Monday, January 15th
- 4pm to 8pm (Brief Presentation and Open Forum at 7pm)
- Student Union Building (SUB) Room 214/216 6138 SUB Boulevard UBC Campus

For further information, please call the Greater Vancouver Regional District information line at 878-8848



Coach Frank Read (left) led the 1954-55 UBC eight-man rowing crew pictured above to an upset victory and gold at the Commonwealth Games. Medals at the 1956 and 1960 Olympics followed in what became known as the golden years of UBC rowing.

Fund seeks to bring gold to UBC rowing

Above the library fireplace in Cecil Green House hangs a metal sculpture of the UBC crest supported by two crossed oars. The plaque beneath bears the inscription: "1954-1955-1956 Commemorating the Golden Years of UBC Rowing."

A group of UBC rowing alumni want to help bring the golden years back by starting an endowment fund in memory of former rowing coach Frank Read who died last year.

"He had the great ability to instill and motivate ordinary people to do extraordinary things," said Bob Falconer who rowed under Read when the coach first came to campus in 1949.

In 1954, Read's "Cinderella crew" won the British Empire and Commonwealth Games trials in St. Catherines, Ontario. Representing Canada at the games in Chilliwack, the UBC crew upset Britain to win the gold medal.

The upset caught the eye of Prince Philip, the Duke of Edinburgh, who promptly invited Read and company to row at the Henley Royal Regatta. In England, UBC beat the Russians in a semi-final and came second overall to the University of Pennsylvania.

Read's success continued with medals at the 1956 Olympics in Melbourne, Australia. There his four-man crew collected gold while the eight-man crew took away silver.

Four years later, Frank's team won Olympic silver again in Rome.

Falconer said income from the Frank Read Rowing Fund endowment will be used to support the acquisition and enhancement of equipment and facilities for UBC's rowing program.

For further information about the Frank Read Rowing Fund call John Cartmel at 261-0589.

First-year engineer earns national award

by Stephen Forgacs

Staff writer

First-year engineering student Rozlyn Bubela may not be clear on which branch of engineering she'll tackle or where her education will take her, but she is clear on what success means to her, and how she should go about achieving it.

"I don't think of success as being based on how others view my accomplishments," Bubela said. "It's more how I feel about what I've done and if I'm confident I've done my very best."

Bubela's "very best" recently resulted in her receiving the Canadian Engineering Memorial Foundation scholarship for 1995 for a woman in first-year engineering. The foundation, which seeks to increase the opportunity for youth, especially women, to receive an education in engineering, awards three scholarships—one at the graduate level, one for a student in the final year, and one at the first-year level. It was established by the Canadian Council of Professional Engineers as a memorial to the 14 women killed at the École Polytechnique in Montreal in 1989.

Bubela needn't worry about what others think of her accomplishments. She entered first-year Science in 1994 on a scholarship. She was accepted into the engineering program in 1995 and put forward as UBC's sole first-year engineering student applicant for the foundation's \$5,000 award.

Bubela was selected from a group of 18

first-year engineering applicants based on criteria including demonstrated leadership, good interpersonal and communication skills, extra-curricular activities and academic performance. She received the award at a ceremony in Ottawa in November.

Although she views her studies as her first priority, Bubela is also active in intramural volleyball and basketball, and has entered several ballroom dancing competitions as an active member of the UBC Dance Club. In high school she was captain of volleyball and basketball teams, and class valedictorian.

She continues to act as a role model for younger students as a floor representative in her university residence.

"That's one reason I want to stay in residence. You can help other students out so much just by being there for them,

talking to them about the work load and helping them know what to expect," she said.

Growing demands on her time are forcing her to learn to say no, and to manage her time.

"I try to maintain a balance. Being part of the residents' association and student sports takes up a lot of time. I wish I could do more but I guess I've realized limitations are necessary if I want to keep up my marks in school."

In 1994 UBC graduate student Nancy Paris-Seeley was awarded the Canadian Engineering Memorial Foundation scholarship for a woman at the graduate level.



Bubela

Lessons to be learned from ancient agriculture

by Gavin Wilson

Staff writer

A UBC professor says lessons learned from the prehistoric agriculture systems he studies in the lowlands around the Gulf of Mexico could help save farmland and revive local economies in what is now a poverty-stricken region.

For 30 years, geographer and human ecologist Alfred Siemens has searched for patterned ground that indicates areas of prehistoric agriculture, ancient transportation systems and the remains of possible fish farms.

It is virtually impossible to see the patterns on the ground, so Siemens conducts his search by flying over wetlands from Belize to Veracruz on Mexico's Caribbean coast.

From the air even very slight topographic variations stand out. Some of the remains of ancient agriculture are long straight lines, other look like mazes or, remarkably, computer circuit boards.

Once located, Siemens and graduate students examine the sites on the ground and then excavate some of them to see how and when they were built and how they functioned.

By reconstructing this prehistoric landscape, which was long abandoned by the time Columbus arrived, they have found evidence for a highly productive agriculture in wetlands subject to seasonal flooding.

Combined with shifting agriculture on nearby hills, fruit-gathering in the forest, honey bees, kitchen gardens and aquatic birds such as migrating ducks from Canada, it is an agriculture system that could be capable of supporting the large populations believed to once live there.

Siemens feels these ancient peoples took a positive and pragmatic approach to

wetlands, unlike European cultures which view swamps and marshes with a mix of revulsion and fear.

"It's even reflected in our language. We talk about being swamped or mired. It's an aversion I had to overcome myself," said Siemens, who often found himself waist-deep in mud while conducting his research.

Wetland soils require intensive work to become suitable for agriculture but produce excellent yields. Ancient peoples dredged out the canals and then used the material to build planting platforms for crops.

They may have also used series of finger-like canals for fish farming. Annual floods would fill the canals, trapping fish that could be later harvested with ease when the water receded. Similar practices can be seen in Africa and Southeast Asia.

Today, agricultural land in Mexico and Central America is being abandoned by rural peasants who flock to the cities looking for greater opportunity.

Siemens strongly believes that people today could learn much about sustainable agriculture from the practices of people who lived centuries before.

"Reactivating such systems and experimenting with variations would seem to offer attractive alternatives to marginalized rural people in the lowland," he said. "But the reversion to ancient ways is out of phase with present agricultural trends under NAFTA, which encourages modernization of techniques, increases of scale and rationalization in all aspects of agriculture."

It is debatable whether modern agriculture would produce more than the ancient systems, he adds. Today's methods also rely on large amounts of chemical pesticides and expensive fuels.



Peter Cheung photo

Birds of Pray

Thunderbird forwards Doug Ast (left) and Ryan Douglas (right) fend off University of Maine Black Bears' forward Jamie Thompson during the Father Bauer Classic Hockey Tournament Dec. 29 at the Thunderbird Winter Sports Centre. The Black Bears, NCAA champions in 1992-93, tore a strip off the T-Birds during two games, Dec. 27 and 29 winning 10-2 and 7-2 respectively. The Bears went on to maul Calgary, the CIAU's third ranked team, with two consecutive wins.