UBC Reports

The University of British Columbia
Vancouver, British Columbia

Volume 35, Number 18
October 19, 1989

National centre to coordinate AIDS drug tests set for UBC

BY CONNIE FILLETTI

UBC's Faculty of Medicine has been chosen to coordinate nationwide testing of all new AIDS drugs and vaccines.

A National HIV Clinical Trials Network -- the first of its kind for AIDS in Canada -- will be based at UBC and St. Paul's Hospital, a teaching hospital of the university. The network will hasten testing of the drugs, provide rapid evaluation of their effectiveness and increase access to AIDS drugs for affected persons.

Schechter

The idea for the network arose from the Expert Advisory Committee on HIV Therapy, a national committee reporting to Health and Welfare Canada.

"I am very pleased at this additional opportunity for the university and St. Paul's Hospital to collaborate on the development of effective treatments for AIDS," said Dr. William Webber, dean of UBC's Faculty of Medicine.

The proposal for funding of the network was prepared by Dr. John Ruedy and Dr. Julio Montaner of UBC's Department of Medicine and Dr. Martin Schechter of the Department of Health Care and Epidemiology.

"I think this is an important development which recognizes the contributions made by UBC and St. Paul's to AIDS research and clinical care. The bottom line is that this network should speed the availability of badly needed treatments to affected Canadians," said Dr. Schechter.

A national coordination centre, also based at UBC and at St. Paul's Hospital, will be responsible for the overall performance of the network.

Several regional units across Canada will form the network. Each unit will enrol patients into clinical trials and carry out the studies in its regions.

Clinical trial results will be monitored and analysed at a national data centre, to be located at St. Paul's Hospital. St. Paul's has treated more than 75 per cent of all persons diagnosed with AIDS in B.C., giving it the highest case load of AIDS patients of any hospital nationwide.

Vancouver Person's With AIDS Society spokesman Don DeGagne welcomed news of the network.

"The federal government has taken an important first step toward fostering better coordination and testing for new drugs and vaccines to treat diseases associated with AIDS. We are particularly pleased with the development of this network in a centre already committed to strong cooperation with persons directly affected by AIDS. As full partners in finding solutions to the AIDS epidemic, we look forward to collaborating with this valuable initiative in all areas of policy development and implementation," he said.

The anticipated cost of the National HIV Clinical Trials Network is $2.5 - $3-million per year of operation.

Perrin Beatty, Minister of National Health and Welfare s,aid, "the development of this network is a tremendous initiative. It should improve patient and physician access to drug trials and increase the speed with which trials are implemented. These are important goals for all of us committed to improving the quality of life for persons with AIDS."

Beatty presented a cheque representing the developmental installment of the funding to Dr. Webber at a media conference announcing the project on Oct. 16.

Robertson named Health Sciences Coordinator

Robertson

Dean of Dentistry Dr. Paul Robertson has been appointed new Coordinator of Health Sciences, effective immediately.

Robertson's appointment was approved by the Board of Governors on Sept. 29. He replaces Dr. Mort Low, who recently accepted an appointment as president of the University of Texas Health Science Center at Houston, Tex.

"I am very pleased that Dr. Robertson has agreed to accept this additional responsibility, said President David Strangway. "With so many significant issues confronting the health sciences, he is acquiring an important task."

Strangway also praised Dr. Low for his outstanding service to the university and for his many contributions to the health field.

Robertson joined UBC as the dean, Faculty of Dentistry and a professor in the Department of Clinical Dental Services in 1988. He has held appointments in California, Connecticut, Texas and Alabama.

Robertson is a Fellow of the American College of Dentists and has served on the American Academy of Periodontology and the International Association for Dental Research.

INSIDE

CANCER CAUSE: Some types of cancer may be caused by genes passed from parents to their offspring. *Page 3.*

HELPING HAND: The UBC/ Malcolm Knapp Research Forest is helping to train the learning disabled in silviculture. *Page 6.*

QUOTED: "In the business of competing for public resources, you either create massive risks and significant political negatives for those who would ignore you, or you are in turn ignored." *Hugh Segal, former advisor to ex-premier of Ontario William Davis. Page 7.*

Photo by Media Services

Renowned pianist Richard Goode (standing) advises School of Music student Mark Finlay on playing a Beethoven sonata. Goode was on campus to lecture as Cecil and Ida Green Visiting Professor and give a concert at the Recital Hall.

UBC, Kyoto university studying joint venture

By PAULA MARTIN

UBC is pursuing a joint venture with Japan's Ritsumeikan University that would establish an International Studies Centre on campus.

The centre would include a residence for 200 students -- 100 from UBC and 100 from Ritsumeikan -- and teaching facilities for English language training, cross-cultural communication studies and Pacific Rim studies.

"It promises to establish a presence on this campus that will encourage further development in an area that we are already very strong in, the teaching and learning of the Japanese language," said Daniel Birch, Vice-President Academic and Provost.

The student residence would be named Ritsumeikan-UBC House and UBC would likely give priority for its 100 spaces to students who are studying the Japanese language.

Birch said the proposal is part of UBC's efforts to develop linkages with universities abroad.

"This is something of a breakthrough for Japanese universities because typically, their programs don't mesh terribly well with overseas universities," he added.

The Board of Governors has approved the Ritsumeikan-UBC House project in principle and the academic policy implications will shortly be under review by the Senate Committee on Academic Policy, Birch said.

He added there is a possibility that a reciprocal agreement may be struck with Ritsumeikan so that UBC students could study for a year at the Kyoto university.

Under the proposal, Ritsumeikan-UBC House would be built by 1991. Ritsumeikan University has committed $2 million toward the residence and UBC would seek matching funds from other sources. The remaining costs would be financed and repaid by room rental revenue.

The proposal to construct a 200-bed student residence will move UBC toward its goal of housing 25 per cent of the university's full-time students by the year 2000.

UBC now offers 22 Japanese language courses for credit and 68 English-language Japanese studies courses covering all aspects of Japanese life and society.

Ritsumeikan University is a private, secular, co-educational institution and is ranked among the top 10 private universities in Japan.

AMS delays decision on recreation centre

AMS Student Council has postponed official acceptance of the results of last month's referendum on the proposed Student Recreation Centre.

Council put aside its decision pending completion of an ombudsperson's investigation into reported voting irregularities and a case to be heard in Student Court.

The court will hear a case brought forward by Board of Governors student representative Tim Bird that questions the figures used to calculate quorum, although it does not challenge the outcome of the vote.

AMS Ombudsperson Jessica Mathers is also reviewing complaints made about voting irregularities.

Figures released by the Student Administration Commission show that the Sept. 25-29 referendum failed to make quorum, falling short by 38 votes.

Quorum was set at 2,650 votes for any

See QUORUM on Page 2

Lam tells immigrants to take the initiative

By GAVIN WILSON

New immigrants to Canada must take the initiative in gaining acceptance in their adopted homeland, B.C. Lt.-Gov. David Lam told a group of educators from Pacific Rim countries at a recent conference at the Asian Centre.

But it is also up to native-born Canadians to do more than merely tolerate the multicultural makeup of our country, he said, delivering the opening remarks at the annual conference of the Pacific Circle Consortium, a group which promotes the research and development of Pacific-oriented curriculum for primary and secondary schools.

"Yes, at times it takes some adjusting when people of different cultures are thrown together to live side by side," Lam said.

"I tell newcomers that the onus is on you to make the first move, to reach out and be known to the mainstream of society. Most importantly, show warmth and compassion. Never fight fire with fire."

Lam recounted friendly gestures made to him and his family when they were new immigrants to Canada two decades ago, but added that sometimes it was difficult earning acceptance.

"I could have turned bitter and cynical, but you have to look for the common ground to understand and appreciate each other. I say, 'Let's tear down the walls, let's not build them up.' "

To be merely tolerant of Canada's multicultural mosaic is a negative reaction, Lam said. Canadians must instead "celebrate our differences."

I tell newcomers the onus is on you to . . . reach out and be known to the mainstream of society.

The Pacific Circle Consortium conference brought together educators and academics from Canada, Australia, New Zealand, Japan, the United States and Hong Kong to discuss school curriculum.

"Traditionally, we've always looked east to Europe and south to the United States for much of our social studies and history curriculum," said conference organizer Jim Gaskell, a professor in UBC's Department of Mathematics and Science Education. "But it is increasingly evident that we need to pay more attention to learning the languages and understanding the cultures of the Pacific in the same way we once focused on Atlantic countries.

"There's a desperate shortage of curriculum materials that give us a sensitive understanding of these countries and their role in the modern world," he said.

The keynote address at the conference -- "Education for the Pacific Century: Are Canadians being prepared to meet the challenge?" -- was delivered by Louise May, director of the International Studies Cooperative Program at Capilano College and a consultant to the Asia Pacific Foundation for curriculum development.

A panel discussion on priorities for Pacific Rim Education featured: Don Wilson, a professor in UBC's Department of Social and Educational Studies and a specialist in Pacific education; Jan Walls, director of the Centre for International Communication at Simon Fraser University; Helen Vanee, a district principal with the Burnaby School Board and former principal of Alpha Secondary School, which offers specialized courses on Asian Pacific topics; and Glen Wall, assistant deputy minister of independent and international education, Ministry of Education.

The consortium is a program of the Centre for Educational Research and Innovation of the Organization for Economic Cooperation and Development.

British Columbia's Lieutenant-Governor David Lam

Quorum a problem

Continued from Page 1

one side of the referendum, or 10 per cent of maximum day-time enrolment during balloting week. There were 2,612 votes cast in opposition to the project, while 1,766 voted in favor.

In a referendum held last year, students approved an annual fee of $30 to support phase one of the project. Fees have been collected from students since May, 1988 and now total about $750,000.

But some students successfully petitioned for another vote on the issue after the Board of Governors passed a 10 per cent tuition fee increase. The results of last year's vote will stand if the most recent referendum is officially ruled to have not made quorum.

Last month's referendum upset some students because the exact number for quorum was not calculated until after the vote took place. Others complained about the "news blackout" imposed by the AMS on student media outlets during the balloting period.

Phase one of the recreation facility will cost an estimated $9.5-million, with students contributing $3.75-million. It will include a large gym, club offices, an aerobic and ballroom dance studio and upgraded intramural sports office.

The next regularly scheduled student council meeting is Oct. 25.

Letters to the Editor

Concern about environment

Editor:

There is increasing awareness and concern for environmental problems among British Columbians today. UBC, as the primary teaching and research institution of the province, can play a leading role in conservation by using environmentally-safe products and practices.

The Botany Department is contributing towards this goal by evaluating its practices in the context of environmentally sound management.

We would like to share with other units on campus one such improved practice. It was proposed by one of our graduate students - Laurie Tornbom - who convinced our equipment manager, Andy Hickman, to lobby for recycled paper. We have just begun to use 100% recycled, non-bleached paper in our high speed photocopiers.

The department intends to use this paper as widely as possible, including the department's letterhead. The paper costs more, but the added cost, when assessed in terms of the future of the environment, is reasonable and certainly justifiable.

We would like to see a stonger campus-wide recycling programme for all recoverable materials such as paper, glass, aluminum, tin and plastics. We would also encourage the ultimate elimination of non-recoverable foam containers and plastics from the University.

At present there are recycling bins for paper drop-off located at SERF's Task Force buiding (2353 Health Sciences Mall), but there is no routine for campus-wide pick-up. The university could take an exemplary initiative by providing routine pick-up.

Yours sincerely,
A.D.M. Glass
Professor and Head
Botany Department

Personal manifesto for Arts

Editor:

The following is a Personal Manifesto for the Faculty of Arts

The Arts Faculty is not just another academic alternative to Science, Commerce or Engineering. Rather, we are the bedrock upon which all other academic programs are built.

Central to our humanity is language. The practice of communication, the analysis of how it is done and the scrutiny of its effects, are of critical importance in the definition of the personality, for the solidarity of society and in establishing the rationality that we use in our sciences -- both human and physical. Many of the departments in the faculty teach and critically assess communication, such as English, the other language and literature depatments, Linguistics, Psychology and Philosophy.

On the bases of communication and the associated values of clarity, veracity, validity and personal trust are built our primary social groupings of family, friends and neighborhoods. It is here that the simplest and most pervasive elements of our society's culture such as the sense of personal independence, justice or aesthetic judgment are passed on from generation to generation. Many of these cultural attitudes penetrate our largest and most complex organizations--the feminist critics suggest that patriarchy begins at home. Our departments and schools of Sociology and Anthropology, Psychology, Family and Nutritional Sciences, Social Work, among others, examine the quality of our own and other's primary social groupings.

Linking together different primary groups are systems of belief, of knowledge, of bureaucratic governments, of production and exchange. The coordination of the workings of these expanding systems grows more problem-ridden every year. Internal contradictions within each system, their unintentional undermining of the integrity of the primary groups of family and community as well as skewed power balance among them has led to serious deformations of societies which is revealed by an alienated young, out-of-control corporations or environmental carelessness. To understand and criticize the ways these linking systems shape the functioning of complex societies is a major concern of our departments of Religious Studies, Philosophy, Political Science, Economics, Geography and History.

Taken together these primary concerns of the Arts Faculty's teaching and research address the foundation of societies. These primary concerns undergird the work of the other faculties.

The university's shift of emphasis to graduate education should recognize the fundamental contribution that can be provided by the Arts Faculty.

Barrie M. Morrison (Arts)

Christmas Bazaar & Craft Festival.

Saturday, November 4th, 1989 at 12.00 noon in the Ballroom of the Faculty Club.

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New Dean of Science

McBride favors environment focus

By GAVIN WILSON

Newly appointed Dean of Science Barry McBride wants his faculty to develop a new focus on environmental issues, expand interdisciplinary co-operation with other faculties and stand firmly committed to fundamental research during his term of office.

The environment would be one of several clearly stated focuses for the faculty under this proposal, helping society to address its needs while boosting research activities at the university.

"I believe we're at a critical point in the history of this planet," McBride said. "We've been abusing our environment and now we've got to understand more about it if were going to have a habitable planet.

"I think society needs science at this point in time like it has never needed it before."

McBride, currently head of Microbiology, begins his six-year term as dean on Jan. 1, 1990. He takes over from Acting Dean David Dolphin.

"Right now we have a very strong faculty," he said. "It is an excellent base on which to build an outstanding faculty."

McBride wants to catalogue research activities throughout the faculty to provide for the first time an overview of what resources UBC could bring to bear on increasing environmental concerns.

Not only are these issues important to society, he said, but funding will likely become increasingly plentiful in coming years for environment-related research.

The environment is just one area McBride believes the science faculty should focus on as an area of special expertise.

"What I would like to see is the faculty of science, over the next few months, develop a focus on two, possibly three areas," he said.

McBride will be seeking input on what these focuses might be, but as well as the environment, he suggests that information technology could be another.

"It's an incredibly exciting time for science and to be a scientist," he said. "We're seeing a huge increase in our understanding of the world around us and this permits us to ask questions we couldn't ask just five or 10 years ago."

The translation of this new, fundamental knowledge into technologies which can benefit society has become very short. No longer is there a long hiatus between discovery and application.

"I think it's important to understand that this distinction is blurred and that the faculty of science sits right on both sides of that whole development.

"On the other hand, and I see this as an important matter, the Faculty of Science has a responsibility to do fundamental research. If there is anywhere in society that this work has to be done, it's here.

"So often those questions that must be answered in applied research require more fundamental knowledge. The environment is a good example."

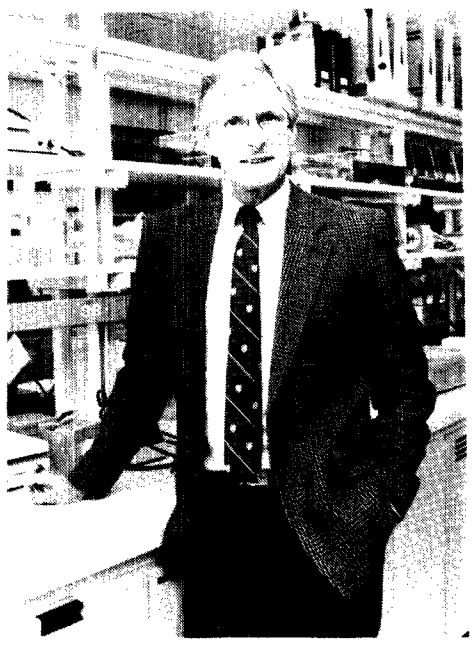
There is, McBride admits, a tremendous pressure to move away from basic research. Increasingly, research funds are targeted to specific applications designed to meet the needs of government and industry.

"As Dean of Science I see an important role in articulating the need to do fundamental research, to emphasize that and then to develop methods to access the funding that is available."

Another trend in research McBride wants the faculty to act on is the breakdown of the old disciplinary boundaries.

Citing the examples of the Biotechnology Laboratory and the Centre for Integrated Computers Systems Research, he said cross-disciplinary cooperation could well extend to other faculties, such as Forestry, Agriculture and Medicine.

Professional schools could benefit from the expertise of the Science Faculty's strong core of basic researchers and the faculty would gain through exposure to new ideas and expanded opportunities for graduate students.



Barry McBride

"It's a two-way street," he said.

During his term as dean, the faculty will be expanding its graduate student population by as much as 50 per cent, as part of the university's strategic plan to boost graduate enrolment.

"But the university has to be aware that increasing enrolment comes with a price tag. You have to build the infrastructure to support those grad students. This means more space, more equipment and more support staff."

McBride also said that space for research and teaching is going to be a major issue during his term as dean. Despite the recent opening of the new Chemistry-Physics building, much of the space available to the faculty is still of "poor quality."

He feels this will be an important issue as the faculty faces increasing competition in attracting new faculty members.

"Young scientists are going to demand modern, well-equipped research laboratories," he said.

"If you asked me what I would want to be recognized for six years down the road, I think I would look back and I'd say we had made a number of outstanding new appointments and been recognized as a university that valued excellence and created opportunities for outstanding people, created an environment where people could do their very best."

McBride also said he wants to institute a faculty master teacher award to recognize excellence in teaching.

"I think it's time the university started to recognize teaching as an important activity.

First appointed at UBC as an assistant professor in Microbiology and Oral Biology in 1970, McBride, 49, was promoted to associate professor in 1976 and professor in 1981. Since then he has served five years as head of Oral Biology in the Faculty of Dentistry, followed by three years as head of Microbiology, Faculty of Science.

McBride was a member of the Medical Research Council of Canada from 1972 to 1978 and remains on some of its working committees and those of the National Institutes of Health in the U.S.

Asked if he is going to continue his own research in oral microbiology that has earned him a cross-appointment in the Faculty of Dentistry, McBride is firm.

"Definitely. I've got a good-sized grant from the Medical Research Council and an active lab and I am going to continue to keep that going."

Genes may be the cause of some cancers: geneticist

BY CONNIE FILLETTI

Some types of cancer and many inherited diseases may be caused by differences in information contained in genes passed from parents to their offspring, a UBC medical geneticist has concluded.

If Dr. Judith Hall's conclusions are correct, they would contradict a basic principle of genetics established in the 19th century by Gregor Mendel.

"It was assumed until recently that we didn't have to consider genes inherited from the mom or the dad differently," said Dr. Hall, director of the UBC Clinical Genetics Unit. "Mendel taught us that as long as we had two good copies of the genes which are carried by 23 pairs of chromosomes that exist in each cell of the human body, it didn't matter from whom they were inherited."

Dr. Hall cites an example of how this genetic phenomena works with chromosome 15.

Deletions or loss of one part of chromosome 15 produces two different conditions, depending on whether it is loss of part of the maternal chromosome 15 or part of the paternal chromosome 15.

When certain bands of the maternal chromosome 15 are lost, Angelman syndrome may occur. Symptoms include outbursts of inappropriate laughter, hyperactivity, mental retardation and seizures.

Children with the same type of defective chromosome 15, but from their fathers, can inherit Prader-Willi syndrome characterized by extreme obesity and mental retardation.

Dr. Judith Hall

Dr. Hall contends that this particular part of chromosome 15 inherited from the father, normally produces a different genetic effect than the same part of the normal chromosome 15 from the mother. This differential modification is called genomic imprinting.

Dr. Hall recently returned from a year-long sabbatical in England, supported in part by a senior Killam Fellowship, where she collaborated with researchers at Oxford University, studying imprinting in mice.

"The mouse is a very useful animal model for understanding gene action in humans," said Dr. Hall. "Even though they are not primates, mice have many of the same genes and gene characters as humans, and are much easier to work with."

Dr. Hall will continue her research at UBC by analysing the clinical observations of human genetic diseases and disorders.

Although it is not suspected that genomic imprinting plays a role in all inherited diseases, Dr. Hall is encouraged by the number of specific disorders already identified as possibly being affected by the process.

"We suspect that as many as 25 per cent of human genes may have imprinting effects," states Dr. Hall

HOLOCAUST: AN INTERFAITH INQUIRY

Sunday, Nov. 5th, 1pm to 6pm.
UBC Instructional Resources Centre,
The Woodward Library,
2194 Health Sciences Mall,
UBC Campus.

Workshops, Debate, & Panel Discussion

Bill Nicholls
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Calendar

October 22 - November 4

MONDAY, OCT. 23

Paediatrics Seminar
Mechanism of the Central Nervous System Toxicity of Cancer Therapy. Dr. W.A. Bleyer, Dept. Paediatrics, Children's Hospital Medical Center, U of Wash. University Hospital, Shaughnessy Site, D308 at 12 noon. Refreshments, 11:45 a.m. Call 875-2492.

Health Promotion Seminar
Asthma and Allergy Prevention Program. Dr. Ludmila Vacek, Program Coordinator, Comprehensive and Innovative Allergy Program, University Site Hospital. Mather Building 253 from 4 - 5:30 p.m. Phone 228-2258.

Applied Math Seminar
The Dynamics of Coupled Current-Biased Josephson Junctions. Dr. E.J. Doedel, Computer Sciences, Concordia U. Mathematics 229 at 3:45 p.m. Call 228-4584.

Mechanical Engineering Seminar
Genetic Engineering for Engineers. Dr. Robert Miller, Microbiology and VP Research, UBC. Civil and Mechanical Engineering 1202 at 3:30 p.m. Call 228-4350.

Anglican Community Octoberfest
A Christian Reponse to Islam. Dr. Hanna E. Kassis, Religious Studies, UBC. Pot of Chili supper. No charge, donations welcome. Lutheran Campus Centre, University Blvd. at Wesbrook Mall from 4:30 - 6:30 p.m. Call Dr. Anne Anthony, 228-4671.

Biochemistry Seminar
Cellulases - Catalytic and Binding Properties. Dr. Tony Warren, Microbiology, UBC. IRC #4 at 3:45 p.m. Call 228-3027.

TUESDAY, OCT. 24

Oceanography Seminar
Unprejudiced Ocean Circulation. Greg Holloway, Inst. of Ocean Sciences, Sidney, BC. BioSciences 1465 at 3:30 p.m. Call 228-2317

Statistics Seminar
Optimal Estimating Functions for Partially Specified Counting Process Models. Prof. P.E. Greenwood, Math, UBC. Ponderosa Annex C, 102 at 4 p.m. Phone 228-3167.

Multicultural Liaison Public Forum
Effective Teaching and Parenting for a Multicultural Society. Prof. Jim Cummins, Ontario Inst. for Studies in Education; Loretta Young, Alta.'s Children's Hospital; Prof. John Kehoe, UBC. Robson Square Media Centre Theatre from 7-9 p.m. Phone 228-5339.

Geography Colloquium
The Risk Approach in Diarrhoeal Disease Intervention in Grenada, West Indies. Dr. Michael Hayes, SFU Geography. Geog Bldg. 200 at 3:30 p.m. Phone 228-6959.

Health Care Epidemiology Seminar
Promoting Oral Health in Long-Term Care Facilities. Dr. Michael MacEntee, Dept. Clinical Dental Sciences, UBC. IRC Board Room, 4th floor from 12:30 - 1:30 p.m. Phone: 228-2258.

UBC Reports is the faculty and staff newspaper of the University of British Columbia. It is published every second Thursday by the UBC Community Relations Office, 6328 Memorial Rd., Vancouver, B.C., V6T 1W5. Telephone 228-3131. Advertising inquiries: 228-4775. Director: Margaret Nevin Editor-in-Chief: Don Whiteley Editor: Howard Fluxgold Contributors: Connie Filletti, Paula Martin, Jo Moss, and Gavin Wilson.

Photo by Media Services

Author W.P. Kinsella (left) autographs his books for UBC students after reading from his works on campus.

CALENDAR DEADLINES

For events in the period Nov. 5 to Nov. 18 notices must be submitted on proper Calendar forms no later than ***noon*** *on Wednesday, Oct. 25 to the Community Relations Office, 6328 Memorial Rd., Room 207, Old Administration Building. For more information call 228-3131. Notices exceeding 35 words may be edited.*
Please note that for the Nov. 16 edition of UBC Reports Calendar items should be submitted by noonTuesday, Nov. 7 because of the Monday, Nov. 13 holiday. The Calendar for that edition will cover the period Nov. 19 to Dec. 2.

Botany Seminar
Genetic Variability and Differentiation in Plant Communities. Dr. Janis Antonovics, Duke U, Durham, NC. Bio Sciences 2000 at 12:30 p.m. Phone 228-2133.

Lectures in Modern Chemistry Seminar
Poly-B-hydroxyalkanoates: Environmentally Compatible Plastics. Dr. R.H. Marchessault, Chemistry, McGill; 1989/90 Xerox Lecturer. Chem. B 250 at 1 p.m. Phone 228-3266.

Music Student Recital
In The Spotlight. Free Admission. Music Recital Hall at 8 p.m. Call 228-3113.

WEDNESDAY, OCT. 25

Orthopaedics Grand Rounds
Aspects of Lower Extremity Amputation. Dr. G. Pate, Chairman. Eye Care Centre Auditorium at 7:30 a.m. Call Orthopaedics academic office, VGH, 875-4646.

Graduate Student Society
Female Grad Student Support Network - Being an Older Woman Graduate Student. Libby Kay, Extra-Sessional Studies. Grad Student Centre Garden Room at 12:30 p.m. Call 228-3203.

Music Noon Hour Series
Murray Khouri, clarinet. Tickets $2 at the door. Music Recital Hall at 12:30 p.m. Call 228-3113.

AMS External Affairs Lecture
Gitsan - Wet' Suwet' en Native Land Title. Lecturer to be announced. Free admission. SUB Auditorium at 12:30 p.m. Call Vanessa Geary 228-2050.

Geophysics Seminar
Short Baseline Transient Electromagnetic Method for Use on the Sea Floor. Dr. Stephen Cheesman, Research Scientist, Pacific Geoscience Centre, Sidney, B.C. Geophysics/Astronomy 260 at 4 p.m. Coffee from 3:45 p.m. Call Doug Oldenburg 228-5406.

Microbiology Seminar
Computer Image Analysis of Microbial Surface Colonization. Dr. D. Caldwell, Applied Microbiology/Food Science, U of Sask. Wesbrook 201 from 12:30-1:30 p.m. Phone 228-6648.

Rehabilitation Medicine Film
Occupational Therapy Division. Dr. Arnold A. Lazarus demonstrating his Multi-modal Behavioral Therapy approach with a patient. Free admission. Koerner Pavilion Lab #8, 3rd floor, University Site Hospital from 12:30 - 1:30 p.m. Phone 228-7395.

Pharmacology Seminar
The Involvement of Glial Cells in Long-term Potentiation. Dr. Sastry S. Bhagavatula, Prof. Pharm/Therapeutics, UBC. IRC #3 from 11:30 - 12:30 p.m. Phone 228-2575.

Chemistry Lecture
Synthesis and Characterization of Biopolyesters from Racemic Lactones. Dr. R.H. Marchessault, Chem., McGill; 1989/90 Xerox Lecturer. Chemistry D225 at 2:30 p.m. Phone 228-3266.

English Lecture
Decolonising Imageries - Transformative Strategies in 4 Post-colonial Novels. Prof. Helen Tiffin, Commonwealth Fellow, U of Guelph. Buchanan B319 at 12:30 p.m. Call 228-4081.

THURSDAY, OCT. 26

Psychiatry Lecture
Implications of Olfactory Agnosia for Understanding Sex Differences in Schizophrenia. Dr. Lili Kopala, Resident V, Psychiatry, UBC. Detwiller Pavilion 2 NA/B from 8 - 9 a.m. Phone 228-7325.

Marion Woodward Nursing Lecture
The Challenge of Quality Nursing Education - will current nursing education ensure quality health care for Canadians in the 1990s and 21st Century? Dr. Margretta Styles, RN, Ed.D, FAAN, Prof. and Livingston Chair in Nursing, U of C, San Francisco. Free admission, all welcome. IRC #2 at 8 p.m. Phone 228-7417.

Geological Sciences Seminar
Metamorphic Core Complexes. Dr. R.L. Armstrong, Geological Sciences, UBC. Geological Sciences 330A from 12:30-1:30 p.m. Phone 228-3508.

Community/Regional Planning Seminar
The Relationship Between the News Media and Public Policy. Guest lecturer, William Thorsell, Editor-in-Chief, The Globe and Mail. Lasserre 105 at 12:30 p.m. Call 228-3276.

Chamber Music
UBC Mixed Chamber Ensembles. Free admission. Music Recital Hall at 12:30 p.m. Call 228-3113.

FRIDAY, OCT. 27

Medical Genetics Seminar
Molecular Genetics of RNA Polymerase II Mutants. Dr. Don Riddle, Bio Sciences, U of Missouri. University Hospital, Shaughnessy Site D308 at 2:15 p.m. Phone 228-5311.

Obstetrics and Gynaecology Weekly Grand Rounds
The Effect of Exercise on Reproductive Function. Dr. M. Fluker, Asst. prof., OB/GYN, UBC. University Hospital, Shaughnessy Site D308 at 8 a.m. Phone 875-2171.

Biotech Lab Seminar
Mutator Transposable Elements of Maize. Prof. Virginia Walbot, Bio Sciences, Stanford U. IRC Lecture Hall #4 at 11:30 a.m. Phone 228-3155.

Chemical Engineering Seminar
The Use of Sugar Cane Agricultural Residue for Animal Feed or Fuel. Dr. Paul Friedman, U of Havana. Chem Engineering 206 at 3:30 p.m. Phone 228-3238.

International House Halloween Bash.
Includes prizes for most original/outrageous costumes. Members,$1, Non-members, $1.50. Tickets available at IH from October 16. International House Upper Lounge from 7:30 p.m. Call 228-5021.

Paediatrics Grand Rounds
Anemia of Prematurity. Dr. Kevin Shannon, U of California, San Fancisco. G.F. Strong Rehab. Centre Auditorium at 9 a.m. Call 875-2117.

Faculty Club Seafood Festival
Delectable Seafood Buffet. Reservations suggested. Faculty Club Main Dining Room from 5:30 - 8:30 p.m. Call 228-3803.

Graduate Student Society Entertainment
Chinese Wooden Flute and Japanese Shakuhachi Flute. World Class Flutist, Walter Zuber Armstrong. Mr. Zuber's last album was recorded at the Museum of Anthropology. Grad Student Centre Fireside Lounge at 5 p.m. Call 228-3203.

SATURDAY, OCT. 28

Faculty Club Halloween Dance
Masquerade. Live entertainment, dinner and dancing. Carolyn Sadavska, M.C. Per person, $26, couples, $40. Faculty Club Main Dining Room at 7 p.m. Call 228-4693.

SUNDAY, OCT. 29

Faculty Club German Brunch
Savor delicious Black Forest specialties superbly prepared by our Chef. Per person $14. Children $7.50. Reservations suggested. Faculty Club Main Dining Room ll a.m.-1 p.m. Call 228-3803.

MONDAY, OCT. 30

Music Recital
Jazz Quintet. Free admission. Music Recital Hall at 12:30 p.m. Call 228-3113.

English/Theatre Lecture
Reading the Frame - Film Semiotics. Prof. Brian Spittles, Head of Literature, Drama and Film, Ruskin College, Oxford. Buchanan B214 at 12:30 p.m Call 228-4081.

Religious Studies Colloquium
Spanish Christians under Muslim rule - new light from a unique 11C manuscript. Dr. Hanna E. Kassis, Religious Studies, UBC. Buchanan B219 at 3:30 p.m. Call 228-6523.

Faculty Club Kiddies Party.
A thrilling Halloween for Children. Dress up and come. Door prizes. Per child, $6 includes buffet. Main Dining Room open to parents. Reservations suggested. Faculty Club Ballroom at 5:30 p.m. Call 228-4693.

Geophysics/Astronomy Seminar
An Eclipsing Black Hole in the Large Magellanic Cloud. Dr. Anne Cowley, U of Arizona, Tempe. Geophysics/Astronomy 260 at 4 p.m. Coffee from 3:30. Phone 228-4134/2267.

See CALENDAR on Page 5

Calendar

October 22 - November 4

TUESDAY, OCT. 31

Oceanography Seminar
Acoustic Echo-sounding Observations of Internal Waves in the Rotterdam Waterway. Julie Pietrzak, Oceanography, UBC. BioSciences 1465 at 3:30 p.m. Call 228-2317.

Grad/Faculty Christian Forum
Lecture. Earthkeeping: Environmental Ethics for a Polluting Age. Dr. Loren Wilkinson, Regent College. Buchanan Penthouse at 4:30 p.m Call 228-3268.

Faculty Club Wine Session
Fifth session. Canada/Germany. Darren Berezowski, Wine Consultant from the Mark Anthony Group. Admission $15. Faculty Club Music Room from 7-9 p.m. Call 228-4693.

Statistics Seminar
Adaptive Importance Sampling in Monte Carlo Integration. Dr. Man-Suk Oh, Statistics, U of C, Berkeley. Ponderosa Annex C102 at 4 p.m. Phone 228-3167.

Geography Colloquium
Evaluating Benefit Between Wilderness and Forestry Land Use - the Stein Valley Case. Prof. Tom Gunton, SFU Resource Management Program. Geography 200 at 3:30 p.m. Phone 228-6959.

Botany Seminar
Genetic Consequences of Early Domestication of Forest Trees. Dr. Yousry El-Kassaby, CP Forest Products, Ltd., Saanichton. Bio Sciences 2000 at 12:30 p.m. Phone 228-2133.

~~Lectures in Modern~~ Chemistry Seminar
Organic Photochemistry. Dr. J. C. Sciano, National Research Council, Ottawa. Chemistry B250 at 1 p.m. Refreshments at 12:40 p.m. Phone 228-3266.

WEDNESDAY, NOV. 1

Music Noon Hour Series
Grace Edie, soprano; Richard Epp, piano. Tickets $2 at the door. Music Recital Hall at 12:30 p.m. Call 288-3113.

Anglican/Lutheran Worship Service
Ecumenical Eucharist. Followed by light lunch. Lutheran Campus Centre Chapel at 12:30 p.m. Call Rev. B. Raymond at 224-1410 or Rev. R. Schultz at 224-1614.

Orthopaedic Grand Rounds
Provincial Air-Evac. Dr. Paul Assad, Royal Columbian Emergency and Dr. Judith Vestrup, VGH. Chairman, Dr. H.S. Miller. Eye Care Centre Auditorium at 7:30 a.m. Call Orthopaedics academic office, VGH at 875-4646.

Applied Math Seminar
Nonlinear Wave Effects on Large Structures. Dr. M. Isaacson, Civil Eng., UBC. Math 229 at 3:45 p.m. Call 228-4584.

Geophysics/Geological Sciences Seminar
Lithoprobe - The Evolution of a Continent - Past accomplishments, future plans. Dr. Ron Clowes, Lithoprobe Director, UBC. Geophysics/Astronomy 260 at 4 p.m. Coffee from 3.45 p.m. Call Doug Oldenburg 228-5406/2267.

Pharmacology Seminar
Establishment of a Tissue Culture System for Epithelial Cells Derived from Human Pancreas: A Model for the Study of Cystic Fibrosis. Dr. Anne Harris, visiting Scientist, Canadian Cystic Fibrosis Foundation, Guys Hospital, London, Eng. IRC #3 from 11:30 - 12:30 p.m. Phone 228-2575.

Rehabilitation Medicine Film
Occupational Therapy Division. Psychotherapy - Dr. Hans Strupp demonstrates a psychodynamic approach to help a patient's interpersonal relationships. Free admission. All welcome. University Site Hospital, Koerner Pav.Lab.#8, 3rd floor from 12:30 - 1:30 p.m. Phone 228-7395.

Microbiology Seminar
Adhesion Molecules in the Immune System. Dr. Fumio Takei, Terry Fox Lab and Pathology, UBC. Wesbrook 201 at 12:30 p.m. Phone 228-6648.

THURSDAY, NOV. 2

Music Recital
UBC Contemporary Players. Stephen Chatman and Geoffrey Michaels, directors. Free admission. Music Recital Hall at 12:30 p.m. Call 228-3113.

FRIDAY, NOV. 3

Noon Chamber Music
University Chamber Singers. Cortland Hultberg, director. Free admission. Music Recital Hall at 12:30 p.m. Call 228-3113.

Evening Chamber Music
University Chamber Singers. Cortland Hultberg, director. Free Admission. Music Recital Hall at 8 p.m. Call 228-3113.

Faculty Club Seafood Festival
Delectable Seafood buffet. Reservations suggested. Faculty Club Main Dining Room from 5:30-8:30 p.m. Call 228-3803.

Pediatrics Grand Rounds
Pediatrics in Developing Countries. Dr. Ross Kennedy, Opthalmology; Dr. Don MacGregor, Clinical Fellow, Newborn Services and Dr. Paul Thiessen, Clin. Assoc. Prof., Pediatrics. G.F. Strong Rehabilitation Centre Auditorium at 9 a.m. Call 875-2117, local 7107 or 7118.

Asian Studies Early Afternoon Lecture
Bhutan - Its History and Culture. Illustrated with slides. Dr. Francoise Pommaret-Imaeda, Ecole des Hautes Etudes en Sciences Sociales, Paris; Royal Government of Bhutan. All welcome. Hennings 201 from 12:30 - 2 p.m. Phone 228-5728.

Asian Studies Late Afternoon Lecture
The Festivals of Bhutan. Illustrated with slides. Dr. Francoise Pommaret-Imaeda, Ecole des Hautes Etudes en Sciences Sociales, Paris; Royal Government of Bhutan. All welcome. Asian Centre 604 from 4 - 5:30 p.m. Phone 228-5728.

Chemical Engineering Seminar
Hot Gas Cleaning Using Fluidized Beds and Rigid Ceramic Filters. Dr. Jonathan Seville, Visiting Professor, U of Surrey, Eng. Chem Engineering 206 at 3:30 p.m. Phone 228-3238.

SATURDAY, NOV. 4

Music Concert
Faculty and Guest Artist Concert Series. Orford String Quartet. Adults $10. Students/seniors $5. Music Recital Hall at 8 p.m. Prelude, 7:15 p.m. Call 228-3113.

NOTICES

Fine Arts Gallery
Selected Works of Canadian Art from the Collections of UBC. Until Nov. 18. Main Library. Tues.-Fri., 10 a.m.- 5p.m. Saturday, noon - 5 p.m.

Institute of Asian Research
19th Annual Conference of CCSEAS - 2nd Annual Conf. of NWRCSEAS State, Society and Village in Southeast Asia. International Conference-speakers affiliated with NWRCSEAS and CCSEAS. All welcome. Nov. 3-5. Asian Centre Auditorium 509 from 9 a.m.-5p.m. Call 228-2746.

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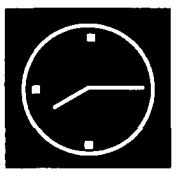

Sat. Oct. 28
Why Are Some People Healthy and Others Not? Prof. Robert Evans, Economics, UBC.

Sat. Nov. 4
Inside Bhutan

Dr. Francoise Pommaret-Imaeda, Author and Anthropologist, Thimphu, Bhutan.

All lectures at 8:15 p.m. in IRC #2.

Frederic Wood Theatre
Bloody Poetry by Howard Brenton under the direction of Gerald Vanderwoude. Until Sat. Oct. 28. No performance Sunday. Curtain time: 8:00 p.m. Reservations recommended. For information, call 228-2678 or Room 207, Frederic Wood Theatre Bldg.

Office for Women Students Mature Students Support Group
Drop in Tuesdays until Nov. 28. Free admission. Brock Hall, Room 223 (Women Students' Lounge), 12:30 - 1:30 p.m. Inquiries: 228-2415.

Office for Women Students Workshops
Stress Reduction. Designed to introduce participants to methods of using imagery dreams and journal writing for the purpose of reducing stress. Three sessions - Thursdays, Nov. 2, 9, 16. Free admission. Registration required. Brock Hall 106, 12:30-2:20 p.m. Call 228-2415.

Badminton Club
Faculty, Staff and Grad Student Badminton Club meets Thursdays, 8:30 - 10:30 p.m. and Fridays 6:30 - 8:30 p.m. in Gym A of the Robert Osborne Sports Centre. Fees $15.00 per year with valid UBC Library card. For information call Bernard at 731-9966.

Agricurl
Late afternoon curling at its best. Experienced curlers and those wishing to learn are welcome. At Thunderbird, Tuesdays, 5:15 - 7:15. Two terms, $80. For information call Paul Willing, 228-3560 or Alex Finlayson, 738-7698 (eve.)

Walter Gage Toastmasters
Wednesday. Public Speaking Club Meeting. Speeches and tabletopics. Guests are welcome. For information call Sulan at 597-8754, SUB 7:30 p.m.

Psychiatry Study
Subjects (adults age 30 and above) are needed for a personality questionnaire study being conducted at the UBC Dept. of Psychiatry. Participants will receive $15 and a personality assessment. For more information, or to volunteer, please call 228-7895.

Counselling Psychology Study
Directed towards helping people overcome shyness or social anxiety problems. Participants will listen to an audiotape for three sittings of approximately 45 minutes each. All enquiries will remain strictly confidential. Volunteers please telephone Tess Hodge at 926-5045.

Psychology Study
Opinions of teenage girls and their parents on important issues surfacing in family life. Volunteers needed: 13 - 19 year old girls and one or both of their parents for 1 to 1 1\2 hours. For information, please call Lori Taylor at 733-0711.

International House Language Exchange
Free service to match up people who want to exchange their language for another. At present, many Japanese and Mandarin speakers wish to exchange their languages for English. Call 228-5021, ask for Yukiko Yoshida.

International House Language Bank
Free translation/interpretation services offered by International students and community in general. For information call Teresa Uyeno at 228-5021.

Sexual Harassment Office
UBC's policy and procedures are now in place to deal with instances of sexual harassment. Two advisors are available to discuss questions and concerns on the subject. They are prepared to help any member of the UBC community who is being sexually harassed to find a satisfactory resolution. Phone Margaretha Hoek and Jon Shapiro at 228-6353.

Statistical Consulting and Research Laboratory
SCARL is operated by the Department of Statistics to provide statistical advice to faculty and graduate students working on research problems. For information call 228-4037. Forms for appointments available in Room 210, Ponderosa Annex C.

Volunteering
To find an interesting and challenging volunteer job, get in touch with volunteer connections, the on-campus information and referral service supported by the AMS. Student interviewers are trained to help UBC students, staff and faculty find volunteer jobs in their area of interest. For an appointment to explore the available volunteer options, contact: Volunteer Connections, Student Counselling and Resources Centre, Brock Hall 200 or call 228-3811.

Lung Disease Subjects Wanted
We are seeking interstitial lung disease subjects in order to study the effect of this disorder on response to submaximal exercise. For further information call Frank Chung at 228-7708, School of Rehab. Medicine.

Parenting Project
Couples with children between the ages of 5 and 12 are wanted for a project studying parenting. Participation involves the mother and father discussing common childrearing problems and completing questionnaires concerning several aspects of family life. Participation will take about one hour. Evening appointments can be arranged. Interpretation of the Questionnaires is available on request. For information please contact Dr. C. Johnston, Clinical Psychology, UBC at 228-6771.

Teaching Kids to Share
Mothers with 2 children between 2 1/2 and 6 years of age are invited to participate in a free parent-education program being evaluated in the Department of Psychology at UBC. The 5 session program offers child development information and positive parenting strategies designed to help parents guide their children in the development of sharing and cooperative play skills. For further information call Georgia Tiedemann at the Sharing Project 228-6771.

Fitness Appraisal
Physical Education and Recreation, through the John M. Buchanan Fitness and Research Centre, is administering a physical fitness assessment program to students, faculty, staff and the general public. Approximately 1 hour, students $25, all others $30. For information call 228-4356.

Surplus Equipment Recycling Facility
All surplus items. For information call 228-2813. Every Wednesday, noon-3 p.m. Task Force Bldg. 2352 Health Sciences Mall.

Neville Scarfe Children's Garden
Visit the Neville Scarfe Children's Garden located west of the Education Building. Open all year - free. Families interested in planting weeding and watering in the garden contact Jo-Anne Naslund at 434-1081 or 228-3767.

Botanical Garden
Open every day from 10 a.m. - 3 p.m. until mid-March. Admission is free.

Nitobe Garden
Open Monday to Friday, 10a.m. - 3 p.m. until mid-March. Admission is free.

UBC REPORTS ADVERTISING DEADLINES

EDITION	DEADLINE 4 p.m.
Nov. 2	Oct. 23
Nov. 16	Nov. 6
Nov. 30	Nov. 20
Dec. 14	Dec. 4
Jan. 11	Jan. 3 (noon)
Jan. 25	Jan. 15
Feb. 8	Jan. 29

For more information, or to place an ad phone 228-4775.

Research forest helps the learning disabled

By JO MOSS

Michael is 24 and learning disabled. He has limited reading skills and minimal social skills.

Before he joined the UBC/Malcolm Knapp Research Forest's silvicultural training program in Maple Ridge, he had been in and out of the courts for one petty crime after another.

Michael (not his real name) applied for the research forest's innovative program for young adults with learning disabilities because he heard it would offer him the chance to be employed.

He's now using his new-found skills as a service worker in a provincial park.

As many as one in 10 Canadians are believed to have moderate to severe learning disabilities--problems such as dyslexia, memory or spatial difficulties. Unlike Michael, many of them don't get a chance to address their problem because their disabilities are never identified.

The research forest program is the idea of Peter Sanders, resident silviculturalist. Begun in 1985, it trains learning disabled people as forest silviculture technicians.

"There is a lack of good, skilled silvicultural workers in forestry," Sanders said. "We're training people to do work that will make them useful to the industry and will not displace other workers." He's quick to point out that the program is not a make-work project. "There's a lot of work out there they are perfectly capable of doing," he said.

Many learning disabled people enter the program unable to read or write. Some have been through the court system. Unemployed, they often subsist on welfare or in group homes.

"Because of their disabilities, they are an incredibly frustrated group. Absolutely everything they try to do is difficult," Sanders explained. "We teach them the constraints their disabilities give them, and how to work around that."

Trainees learn procedures such as juvenile tree spacing, roadside brush control, and fire abatement--skills which make them employable year-round in a seasonal industry.

Project supervisor Sheila Renner works with up to six trainees at one time, adapting each task and breaking it down into elements they can understand. Because some trainees can't read, for example, Renner developed picture instructions for operating tools.

Trainees stay in the program until they are fully competent--anywhere from one to three years--then graduate to monitored work with local companies, such as Scott Paper Ltd.

A graduate of the UBC/Malcolm Knapp Research Forest's silviculture training program at work in the bush.

Because of the program's high success rate in placing program graduates, competition among applicants is stiff. Advertisement of an opening often brings more than 200 responses.

"We look for applicants who are willing to learn and take a little bit of a challenge to get out of the bind they are in," Renner said.

The program is popular because trainees learn life skills as well as marketable skills.- skills like self-discipline, punctuality, confidence, and pride in doing a job well.

"We teach them what's expected of an employee and put them on the right track," Renner said.

The program is slowly gaining acceptance in the forest industry, but Sanders says there is still some reluctance to take a chance on an untried workforce. Part of the problem is that trainees don't fit the traditional lumberjack image of someone who works in the woods.

"Their selling point is the high quality of their work and their safety record is excellent," he said. While trainees take longer to do some jobs, they work well at repetitive jobs, such as pruning, work that others quickly tire of.

In addition, Sanders calculates taxpayers save between $15,000 and $60,000 a year on each trainee, who would otherwise be supported by social programs. That amounts to about $250,000 over a working lifetime.

One difficulty program graduates have is in finding continuous work. When one seasonal job runs out they must find another--an onerous task for someone with learning disabilities.

To solve that problem, Sanders plans to set up small groups of program graduates under the supervision of a business manager to bid for work that's too small or uneconomical for mainline contractors. A major source of work could be maintenance of recreational areas such as B.C. Hydro lines.

"There's a whole range of potential employers," he said.

Early detection cures adrenal, thyroid cancer

BY CONNIE FILLETTI

The discovery of mutations in DNA responsible for hereditary adrenal and thyroid cancer may lead to improved treatment and possible prevention of the cancers.

Paul Goodfellow, assistant professor of Medical Genetics at UBC, in collaboration with researchers at Queen's University and Yale, has located the gene responsible for these hereditary cancers. This makes possible diagnosis of the cancers before symptoms occur.

As a result, doctors can predict "with greater than 98 per cent accuracy," whether or not an individual will develop thyroid or adrenal cancer, said Goodfellow.

"This availability of early detection and treatment effectively cures adrenal and thyroid cancer," he stated.

Individuals predisposed to these cancers can expect that 50 per cent of their offspring will develop the same disease, Goodfellow also noted.

The research makes it possible to determine if the cancers are present in an individual susceptible to them because of their family history.

However, the risk of the affected person's children developing the adrenal or thyroid cancer cannot be altered, he added.

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Across Canada

Ontario enrolment a record

Enrolment at Ontario universities hit an all-time high during 1988-89 academic year, reports the Ontario Confederation of University Faculty Associations. A record number of 181,097 fulltime undergraduate students were enroled, up from 173,954 in 1987, a previous record. Fulltime graduate students also reached a record 19,649 compared to 18,854 in 1987. The overall enrolment increase was just over four per cent.

$4 million given for disabled

Ontario's former Minister of Colleges and Universities, Lyn McLeod, recently announced a $4-million funding initiative to help make the province's universities more accessible to disabled people.

The money is to be shared by all Ontario universities in amounts that range from $30,000 to $800,000 depending on the size of the institution. It is to be used for establishing programs and support services for disabled students and for familiarizing university faculty and staff with the needs of disabled students.

Andre critical of private sector

The private sector has not been pulling its weight in Canada's research and development efforts, Harvie Andre, Minister of Industry, Science and Technology, told a group of business executives in Toronto recently.

"Only three per cent of Canadian firms invest in research and development." Andre told the York Technology Association, a group of 150 businesses involved in information technology. In contrast, Andre noted, the federal government has been pouring billions into research and development and is the largest single funder and performer of research in Canada.

However, said Andre, reliance on government to fund and conduct research is outdated.

Premiers pledge to support science

Canada's provincial premiers have endorsed the key recommendations of the "Halifax Declaration," a document adopted by participants at the National Conference of Science and Technology Councils held earlier this year in Halifax.

The Halifax conference had a "simple and direct" message, according to a statement released by the premiers following their August meeting in Quebec City. "Canada is slipping in the technology race", the premiers said. "The trend of all leading science indicators is in the wrong direction - slippage rather than progress despite a rather strong economy."

The recommendations endorsed are:

A public commitment to spend 2.5 per cent of GNP on science and technology by the beginning of the 21st century;

The adoption of a national data gathering system as well as a national public awareness campaign to help turn Canada into a "science culture;"

Reforms to enhance education at all levels and new efforts to increase literacy skills;

An attempt to increase the effectiveness of science and technology in industry and the manufacturing sector;

And the development of innovative ways to assist and encourage Canadian technology-based companies.

CLASSIFIED

Classified advertising can be purchased from Media Services. Phone 228-4775. Ads placed by faculty and staff cost $6 per insertion for 35 words. Others are charged $7. Monday, Oct. 23 at 4 p.m.is the deadline for the next issue of UBC Reports which appears on Thursday, Nov. 2. Deadline for the next edition on Nov. 16 is 4 p.m. Nov. 6. All ads must be paid in advance in cash, by cheque or internal requisition.

For Rent

FOR RENT: Three bedroom secluded Saltspring Island cottage on a private cove. New architect designed home has fully equipped kitchen, two bathrooms and sleeps 6 comfortably. Available by week or month. Phone 416-483-8175.

For Sale

FOR SALE: Cheap. Peripheral boards for PDP11 computer: MATROX graphics, A/D conversion, serial port, realtime clock boards. Also PDP11/23+ computer for sale. Contact Tracy at 228-7359.

FOR SALE: This space in UBC Reports classified section. This ad costs faculty and staff $6 per insertion. Others pay $7. Phone 228-4775 for more information or to place an ad.

Services

VICTORIA REAL ESTATE: Experienced, knowledgeable realtor with faculty references will answer all queries and send information on retirement or investment properties. No cost or obligation. Call collect (604) 595-3200. Lois Dutton, RE/MAX Ports West, Victoria, B.C.

BOOK AND RECORD COLLECTIONS bought. Especially interested in literature, art, music, and philosophy. We also love jazz record collectors. Call David at 662-3113, afternoons, or visit Albion Books, 523 Richards St., downtown Vancouver.

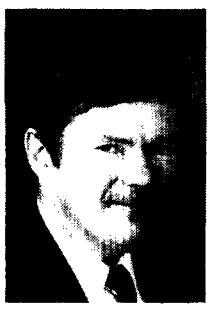
ENGINEER AVAILABLE: Engineer and manager with broad experience in design, fabrication, safety and operation of air and ground vehicles seeks employment in product development function. Contact Box 23826 Richmond B.C. V7B 1X9 or 261-2739

QUALITY PHOTO FINISHING AT DRUGSTORE PRICES: Now available at Media Services a full range of photo finishing services with a fast turn-around time and low, low prices. A 36 exposure 35mm color film developed and printed for just $12.99 or as supersize glossy prints $14.99. UBC Photography, Media Services, 3rd Floor, 2206 East Mall, Campus.

People

Just Desserts announced

The annual Just Desserts awards -- presented on behalf of students to honor individuals, faculty or staff who have made outstanding contributions of time and support – were recently announced at a ceremony at Cecil Greene Park House.


Gunderson

The winners were: **Grace Wong**, director of the placement office in the Faculty of Commerce; **Lee Gunderson,** assistant professor in Language Education; **Greg Smith**, a recent engineering graduate; **Lance Coombe**, instructional technician in the School of Family and Nutritional Sciences; **Jean Elder,** associate professor of History; **Wendy Hall**, a lecturer in the School of Nursing; **Joan Cosar**, a secretary in Pharmaceutical Sciences: **Cliff Kryzanowski**, formerly facility supervisor with the department of Physical Education and Recreation; **Maureen Douglas**, assistant to the Dean of Science; **Valerie Levens**, executive secretary, Student Administrative Commission; **Lornell Ridley**, program coordinator with the Alumni Assocation; **Kirsten Mawle**, Alma Mater Society program coordinator.

The awards were presented by **John Dennison**, of Administative, Adult and Higher Education.

The B.C. Ministry of Health has honored **Dr. Mort Low**, former UBC health sciences coordinator and newly appointed president of the University of Texas Health Sciences Center at Houston, Tex., with the Award of Excellence.

Dr. Low was praised by the ministry for his outstanding achievements in the health sciences over the past two decades. Special note was made of his work in health and scientific research, health education and health policy development.

Stan Dubas, deputy minister of health, said Dr. Low's contributions as a physician, scientist and educator have brought prestige and international recognition to UBC, its Faculty of Medicine, as well as to the province.

Dr. Low, 54, is a leading international expert on health-care policy and Canada's national health-care system. He joined UBC in 1968.

Plant Science Professor **Michael Pitt** has been elected trustee of the Northwest Scientific Association.

The academic association publishes the journal Northwest Science, which carries refereed articles on a variety of research in the basic and applied sciences and the social sciences.

Pitt, who teaches rangeland management and grassland ecology, will serve as trustee for a three-year term.

Alan Artibise, director of the School of Community and Regional Planning, has been invited to sit on the editorial board of Urban Affairs Quarterly.

Artibise

The journal is considered to be the premiere outlet for research by urban scholars in North America and publishes largely policy-oriented research.

The academic journal is published at the University of Missouri at St. Louis.

Carol Gibson has been named executive coordinator in the office of Student and Academic Services Vice-President **K.D. Srivastava.**

Previously, Gibson worked with Vice-President, Academic **Dan Birch** on the President's Task Force on Recruiting Liaison and Admission and as a senior analyst with the Department of Budget Planning and Systems Management.

She first joined UBC in 1969 in the Student Housing Department and since has been involved in teaching, research and administration both on and off campus.

Gibson is currently completing an EdD dissertation in the Department of Administrative, Adult and Higher Education.

Saving the university:

Advice from the experts

Two prominent political experts dished out advice on how to save universities, speaking in Guelph to members of the Canadian Council for the Advancement of Education at the council's summer conference.

Hershell Ezrin, former principal secretary to Ontario Premier David Peterson and Hugh Segal, former advisor to ex-premier Bill Davis, were both blunt about the future of higher learning.

They said that if the public does not get behind colleges and universities there is little hope of politicians giving additional money.

Ezrin, who left public service last year, defended government efforts in education support, saying Canada ranks second highest among Western nations in spending on post-secondary education as a percentage of gross national product.

He added that while spending has not kept up with recent soaring growth in enrolment, government has made a substantial financial commitment.

We have a national government in Canada which . . . has become the junior partner in financing a host of social expenditures.

"When university presidents, alumni associations, boards of directors come and bleat to government about how they haven't been given their fair share, you must understand that many people in government think you are abusing them for no good reason."

He also cited examples of alleged campus waste unearthed by the Ontario auditor to buttress a perception that "university administrators make better teachers than practitioners of management and budget science."

Combined with a lack of a "public support constituency," such instances of poor management do not improve the prospects of universities, Ezrin said.

He urged universities to develop a "character that stands out in the public mind," summing up what they hope to achieve for society.

Both Ezrin and Segal agreed that budget cuts by federal and provincial governments are here to stay at least for the next several years.

Segal noted that the provinces are assuming a greater role in funding social services, such as post-secondary education, while Ottawa is reducing its presence.

"We have a national government in Canada which over the years has become the junior partner in the financing of a host of social expenditures."

Given the tight budgets at both levels of government, Segal urged universities to attempt to change the current political agenda which is weighted against them.

One way would be to present politicians with choices that they cannot sweep under the carpet.

"If provinces are committed to reduced funding in real terms for universities and colleges, are they prepared to deregulate (tuition) fees so that institutions can make up the difference?" he asked.

"You can't have it both ways. You can't on the one hand say, 'manage on what we are passing on to you,' when it's not enough, and then, on the other, say, 'you don't have the right to raise revenues in your own way.'"

Segal also said the policy of universal access is a "pyrrhic victory" for students as overcrowded classes and old lab equipment result in a reduced quality of education.

Unless we change the public mind-set . . . universities will become interesting remnants of a society that used to care about first-class education.

Universities must grab the attention of both the public and politicians, he said, or else see more public money siphoned off into health care.

"Every time there are negotiations with physicians that produce a higher cost for delivery of medical services, every time there is a new allocation for a chronic care bed, universities and colleges are being diminished without even being at the table where the dilution and dismemberment is taking place".

The only way to turn the table is for universities to get across their collective message to the public.

"In the business of competing for public resources, you either create massive risks and significant political negatives for those who would ignore you, or you are in turn ignored," Segal said.

"It's a very simple equation: you either create the agenda which forces government to respond because your concerns are legitimate and your constituency is real, or you are consistently held hostage to other people's agenda."

Two pointers from the man who advised a successful former premier: develop strong ties with politicians willing to speak out in favor of post-secondary education, and line up support of the businesses that supply university goods and services.

Also, he said universities must spell out the sanctions to be imposed on society if their concerns aren't addressed.

Segal said that with the aging population, medical costs will continue to grab a larger slice of Ontario's public spending.

"The government has chosen health care, as many have across this country, over post-secondary education . . . rather than investing in the institutions that will create the people who can make our society worth while," he said.

"Unless we can change the public mind-set and level of apathy . . . colleges and universities will become interesting remnants of a society that used to care about first-class education."

It is up to advocates of higher education, Segal said, to ask whether society can afford to do without creativity, academic discourse, excellence, research, tolerance and understanding.

If future generations are denied the educational opportunities of the past three decades, "we seed the clouds of a downpour, even a torrent of massive social dislocation that will threaten the legitimacy of social and political structures."

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Photo by Steve Chan

Robert Osborne speaks at the Great Trekker Award banquet

Great Trekker Award the crowning glory for Osborne

BY CONNIE FILLETTI

Robert Osborne, founder of UBC's School of Physical Education and Recreation, was honored recently at the Great Trekker Dinner which featured 74 years of sports on campus as its theme.

Recipient of this year's Great Trekker Award, Osborne graduated from UBC with a BA in 1933 and served as a professor and director of the School of Physical Education and Recreation which he founded in 1946.

The Great Trekker Award is given annually to a UBC graduate who has achieved eminence in his or her field of activity; made a worthy or special contribution to the community; shown a keen intetrest in UBC; and has been of particular service to undergraduate students.

In addition to his academic and administrative contributions to sports, Osborne was a great athlete. Active in athletics since his early UBC days, he was a member of Canada's 1936 Olympic Basketball team. He later coached the team in 1948 and managed the 1956 Olympic Track and Field Team. He has since prepared hundreds of UBC graduates for their own athletic careers and devoted many hours to developing amateur sports in Vancouver.

Receiving the Great Trekker Award was the crowning glory to a long association with sports on campus for Osborne.

"I'm deeply honored and very humble to be receiving this award. I realize that I am here tonight representing everyone who has ever been involved in sports at UBC. This award goes to all of them," he said at the dinner.

Osborne's other honors include the Order of Canada and the Olympic order of merit.

The Great Trekker Dinner also featured letters of tribute to Osborne and testimonials delivered by UBC officials.

Director of Athletic and Sport Services Bob Hindmarch noted in his remarks that the Great Trekker Award was a way of saying "thank you" to the recipient for his contribution to, pride in, and love of UBC.

"Like the people who started this university, Bob Osborne has never stopped loving it," said Hindmarch.

Two reasons for giving to United Way campaign

BY CONNIE FILLETTI

Pledge cards asking for contributions to this year's campus United Way campaign are now in circulation. Here are just two reasons for giving.

ELEANOR'S STORY

Eleanor Black has cancer. You may have talked to her on the phone, walked by her on West Mall or eaten lunch next to her at the SUB. She is one of us.

An administrator in the Geography Department since 1985, Eleanor was diagnosed in January. One month later she found HOPE.

Helping Ourselves Psychologically Everyday is the only patient self-help group in Canada. It exists to support all cancer patients who choose to fight and hope for life. Ongoing individual and group support assist the cancer patient and the family to deal effectively with the devastating physical and emotional effects of cancer and its treatments.

"HOPE has confirmed the fact that I can help myself, and that's what I'm trying to do. They've taught me that it's okay to fight for your life and achieve wellness. HOPE also provides the atmosphere and support necessary to do that," said Eleanor.

She finds that although the health-care professionals at Vancouver's Cancer Clinic are dedicated to their work, they only deal with the clinical aspects of her illness. They don't know how to address Eleanor's day-to-day reality of living with cancer.

"I drop in at HOPE a lot because I immediately get this feeling of being in charge. It's my lifeline," said Eleanor.

HOPE was started in 1980 by seven terminally ill cancer patients. They believed that what they did personally could make a difference between life and death. They turned to the community for support, but none was available. They have been meeting in private homes ever since. This year, they were finally able to afford office space. Two members of the original group survive today.

"We're interested in people who have cancer now," said Moyra White, one of the founding members. "We're totally dedicated to what we do. If cancer can't stop us, lack of money won't either."

HOPE does not receive funding from any level of government or financial support from the Canadian Cancer Society. It depends on private donations and revenue from fundraising efforts. But you can support HOPE by designating your United Way contribution to the organization.

Although the number of agencies the United Way can support is limited by its resources, it responds to donors' wishes through the designation process. It just takes a note on the pledge card.

"It's our belief that there are many charitable organizations outside the United Way that are meeting important community needs. HOPE is a fine example of that," said Gary McCarthy, executive director of the United Way of the Lower Mainland.

HOPE currently assists over 1,000 cancer patients from across Canada. There are an estimated 50,000 cancer patients in B.C. and another 5,000 are diagnosed in the province each year.

"There is tremendous need and that's why we've survived so long. We look forward to establishing a training centre one day where we can give hope to more cancer patients and also help the health-care professionals who treat them," said White.

SONJA'S STORY

One week before her first year at school, 5-year-old Sonja Nedd fell and hurt her knee. It happens to most kids. But Sonja's knee wouldn't get better. The swelling persisted throughout that year and the next. She missed most of Grade 3 and Grade 4 and was finally diagnosed at age nine as having rheumatoid arthritis. Sonja had to learn how to walk all over again. By the time she turned 10, her health was improving. But at 13, Sonja couldn't dress herself.

The flare-ups continued until Sonja was 20. Already enroled in an undergraduate program at UBC, she began working with rheumatologists and physiotherapists at the Arthritis Centre, a United Way agency.

The Arthritis Centre specialists started Sonja on a program of simple exercises and drug therapy.

"Without the Arthritis Centre it would have been impossible for me to attend UBC because of the size of the campus. I could only walk short distances. Every step was torture," Sonja said.

One of Sonja's big dreams is to enter graduate school at UBC next Fall. Her other is to replace the motorcycle she sold to finance her trip to Europe last year. Somehow, she also manages to fit in a few games of ice hockey when she's not attending classes, travelling and riding motorcycles.

You have to keep active and tell yourself you can do things, she says.

Australian Chief Justice to give Ladner lecture

Anthony Mason, Chief Justice of the High Court of Australia, will deliver the annual Leon Ladner lecture tonight in the downtown law courts.

The Vancouver law firm of Ladner Downs established the lecture series in 1977 to honor the firm's founder, the late Leon Ladner.

The lecture is delivered in Vancouver and in Victoria and the speaker also takes part in the academic programs of both the Faculties of Law at UBC and the University of Victoria.

The lecture takes place Thursday, Oct. 19 at 5:30 p.m. at the Great Hall of the Law Courts, 800 Smithe Street.

Mason's lecture, titled "Judicial independence and the separation of powers -- some problems old and new," will look at some critical aspects of the courts' relationship with the legislative and executive branches of government in light of the growth of executive power and criticism of the high cost and inefficiency of legal services and adversary litigation.

Mason will also discuss current issues facing the judiciary including court funding and administration.

Open house set for TRIUMF

Science and Technology Week in British Columbia will be marked at UBC with an open house at TRIUMF, Canada's national particle accelerator and home of the world's largest cyclotron.

TRIUMF will open its doors to the public Sunday, Oct. 22, between 11 a.m. and 5 p.m.

A 15-minute video presentation will introduce the facility to visitors, who can then take self-guided tours throughout the complex.

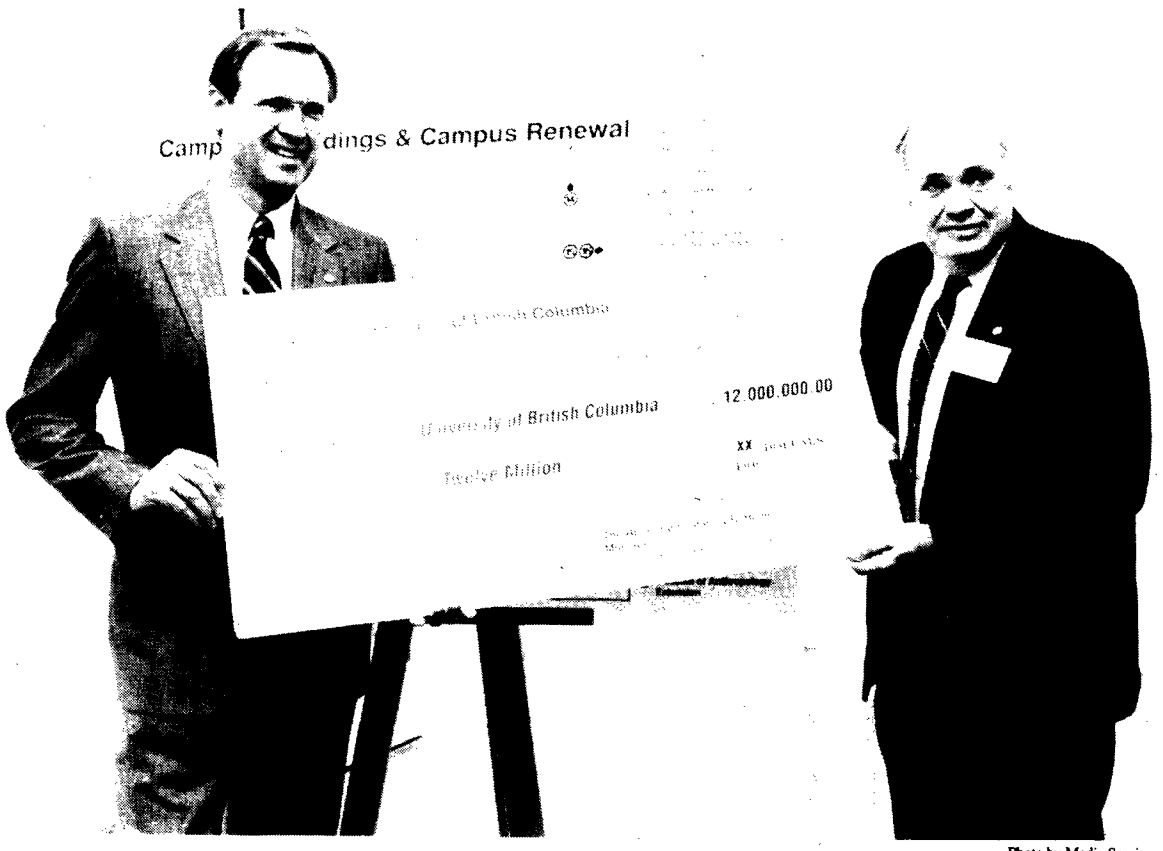

Photo by Media Services

Gary Mullins (left), deputy minister of Advanced Education, presented a cheque for $12-million to President David Strangway for UBC's fundraising campaign during Campus Campaign Awareness Day on Oct. 6. The provincial government has agreed to match all funds raised by UBC in the campaign.