UBC

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Program promotes teaching skills

By CONNIE FILLETTI

UBC's Faculty Development Program has launched a new project designed to provide individualized assistance to faculty members and teaching assistants who wish to develop or improve their instructional skills.

"A goal of the Faculty Development Program is to provide access to non-threatening and useful feedback, and the Peer Consultation Project does so on a one-to-one basis," said Gail Riddell, co-ordinator of the Faculty Development Program.

Available for the first time this fall, the project will provide assistance on several aspects of teaching, including course design, testing and grading practices, classroom behavior and the use of instructional media.

"This is an important project in which UBC recognizes that we must be as open and as intentional about our mission to share knowledge as we are about our mission to create knowledge," said Murray Elliot, associate dean for Teacher Education in the Faculty of Education.

"Over the years, many teachers at UBC, as in the public schools, have improved their teaching as a result of the support and advice of sympathetic and respected colleagues. The Peer Consultation Project provides a means whereby all of us — whether a beginning teaching assistant or a senior professor — can find support from a mentor-colleague."

Riddell said that support will be provided to faculty and teaching assistants at all skill and experience levels.

"Assistance is given by other academics who see themselves, not as experts, but as enthusiastic teachers who have learned through experience and wish to help their peers so that teaching becomes more enjoyable for them and more rewarding to students," she said.

Riddell explained that the program will focus on the strengths of the faculty member being advised, and on the process of teaching, rather than the content of teaching.

Six peer consultants — each one a recipient of last year's University Teaching Prizes which recognize outstanding teachers on campus —have been trained for the program.

Moura Quayle, an associate professor of Plant Science and a peer consultant, also stressed the supportive nature of peer consultation as a major strength of the program.

"During training, we often talked about the lack of support for teachers," Quayle said. "Peer consultants offer an unbiased and non-judgemental party to talk to and seek support from. That support could come in the form of new ideas, suggestions or good listening."

Recent funding for the Peer Consultation Program was received from the $675,000 Teaching and Learning Enhancement fund, a new initiative introduced earlier this year.

The services offered by the program are free to all UBC faculty and teaching assistants. Call 822-9164 for more information.

Photo by Media Services

In the pumpkin patch

They may not be the Great Pumpkin, but even the smaller variety evokes the season as Halloween approaches. Education assistant Judy Newton displays the produce of the Botanical Garden.

Psychopathy checklist sets standard

By CHARLES KER

When asked what defines a psychopath, Robert Hare doesn't hesitate.

"Glib, manipulative, impulsive, egocentric, deceitful, sensation-seeking, selfish, irresponsible, lacking empathy, guilt and remorse," he says.

"That's generally the type of person we're talking about."

One of the world's leading experts in psychopathic behavior, the UBC psychologist is author of The Hare Psychopathy Checklist-Revised (PCL-R).

What started out in 1978 as a simple mimeographed handout for research purposes at UBC, is heralded today as the best available method for assessing the mental disorder.

A decade of research by investigators in North America and Europe, involving thousands of prison inmates and criminal psychiatric patients, has shown the PCL-R to be a highly reliable and valid measure of psychopathy.

Prisoners diagnosed as psychopaths by the checklist have shown to be between two and four times more likely to commit an offence after release than those diagnosed as non-psychopaths.

Since decisions about sentencing, treatment and parole are influenced by a prisoner's clinical diagnosis, the PCL-R is increasingly being used to make predictions about which prisoners are most

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Third UBC prof wins Science Council medal

By GAVIN WILSON

A third UBC faculty member has won a gold medal from the Science Council of British Columbia.

Biochemistry professor Pieter Cullis is the winner of the 1991 B.C. Science and Engineering Award for Health Sciences. He receives a gold medal at this year's awards dinner on Oct. 22, where Martha Salcudean, head of Mechanical Engineering, and Douglas Hayward, Chemistry, will also receive their awards.

Cullis is internationally recognized for his breakthrough research into the development of fatty microbubbles, called liposomes, which have the structural potential to deliver drugs to specific sites in the body.

His work has been hailed as an important advance in the use of anticancer drugs, because it offers the possibility of delivering the drugs more precisely to where they are needed in the body, and with reduced side effects.

This research has resulted in the creation of two companies; the Canadian Liposome Company, to carry out the work on the drug delivery systems, and Lipex Biomembranes Inc., to manufacture the equipment used in preparing liposomes. The former is now based in the U.S. with its New Jersey parent company.

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AN APPLE A DAY: All the varieties featured in the upcoming apple festival could keep the doctor away for a long time. ***Page 8***

UBC Commerce tops country in SSHRC grants

By ABE HEFTER

For the third straight year, the Faculty of Commerce at UBC is ranked number one among Canadian business schools in Social Science and Humanities Research Council (SSHRC) grants for Administrative Studies and Industrial Relations.

Figures released following the March 1991 competition show the faculty on top with nine projects funded for a total of just over $325,000. Concordia and Laval universities had four funded projects each, while Laval received the second-highest dollar value at just under $200,000. Concordia received just over $110,000. They were followed by Toronto and Queen's with three projects each.

The grants cover a three-year period, from 1991-92 to 1993-94.

The SSHRC grants in Administrative Studies cover most areas of business studies, said Professor Izak Benbasat, director of research for the Faculty of Commerce and Business Administration.

Members of the Commerce Faculty also receive funding from the Natural Sciences and Engineering Research Council of Canada (NSERC). The Industrial Engineering Committee of NSERC funds, among other areas, projects in management science/operations research and transportation studies. In the 1991 competition, UBC led Canadian business schools in the number of NSERC projects awarded.

"Taken together, with the strong publication record of the faculty, this evidence indicates that UBC leads Canadian business schools in academic research," said Benbasat.

Research funding is especially crucial in today's competitive market, he added. "These grants enable us to continue to attract and retain first-class faculty and outstanding doctoral students."

SSHRC operating grants are generally awarded on an individual level. Benbasat said the faculty now hopes to target strategic grants as well, which can involve an entire division, or faculty members across divisional specialties. The funding for strategic grants tends to be more substantial.

"The dean's office will provide encouragement by offering seed money to groups of faculty members working co-operatively on research projects so that they might apply for these larger grants," said Benbasat.

"It's our way of helping researchers focus their efforts on strategic grants."

Not too late for Fraser River say researchers

By GAVIN WILSON

Pollution of the Fraser River may not be as serious as many people believe, but there is an urgent need for a new approach to the management of the river's resources.

That is the opinion of a team of UBC researchers who have recently concluded a two-year research project on the river basin.

One of Canada's largest rivers, the 1,370-kilometre-long Fraser and its tributaries drain one quarter of B.C.'s total land area. It is also the greatest salmon stream in the world and is visited by major populations of migratory waterfowl.

Spearheaded by the Westwater Research Centre, 34 scientists and professionals from different disciplines took part in the project, preparing two books and an educational documentary video on the river that will be shown on cable television and distributed to schools.

Westwater Research, which celebrates its 20th anniversary this year, conducts interdisciplinary research on problems concerning water resources and their associated lands.

Project director Anthony Dorcey said the waters of the Fraser and the natural resources of the surrounding basin face increasing demands, and this has led to growing controversy and conflict.

But compared with other major rivers in the world, pollution of the Fraser is not yet at crisis levels, thanks to the enormous flow of water that dilutes pollutants and, except in the Lower Mainland, the relative lack of population and industry on the river's banks.

> "The crucial question is whether we act in time before too many options are gone."

The major sources of pollution on the upper reaches of the river are pulp and paper mills and in the heavily populated Lower Mainland, industrial effluent and sewage.

However, the researchers caution there are unknown factors in the river's pollution that should be looked at more closely. These include chlorinated organics, such as dioxins, from pulp mills, and runoff from urban lands that contains lead, chromium and mercury.

Herbicides, pesticides and fertilizers from farmland in the Fraser Valley have contaminated groundwater and could also have a significant impact on the river's health, Dorcey said.

As well, population growth in the region will put increasing pressure on the river. In the next 25 years, the number of people in the basin is expected to increase by an average of 50 per cent, up to 200 per cent in parts of the Lower Fraser Valley.

The Westwater study concluded that serious water resource problems caused by development can be remedied and avoided in the future if action is taken now and management strategies are changed, Dorcey said.

"The crucial question is whether we act in time before too many options are gone," he said.

The study also concludes that a major transformation in the water resources governance system — now a web of overlapping and fragmented jurisdictions — is essential both to capitalize on opportunities and to escape the threats to sustainable development of the basin.

The study also recommends substantial increases in prices for the use of water and other resources to create incentives for conservation and to generate revenues to finance more intensive resource management.

Some of the questions the project team addressed were how the basin should be developed in the future, how conflicts over resource use and the environment can be resolved and how polluted the river is.

The researchers looked at water quality and quantity, fisheries, land and water use, the economy, management policies, citizen involvement, institutional arrangements for governance and First Nations land claims.

Scholarship enables Hungarian students to study at UBC

By ABE HEFTER

Next September, a new generation of students from the Forest Engineering University of Sopron, Hungary, is scheduled to begin arriving at UBC.

These PhD and Master's students will be able to complete their studies at UBC through a scholarship established by the President's Fund in the World of Opportunity fundraising campaign.

The money raised for the scholarship has come from Sopron University students who continued their studies at UBC after fleeing the Russian tanks that invaded Hungary 35 years ago.

The 141 students who graduated from what became known as the Sopron division of the UBC Faculty of Forestry include Antal Kozak, now associate dean of the faculty, and Laszlo Paszner, a professor in Forest Harvesting and Wood Sciences.

"The establishment of this scholarship is our way of giving something back to Sopron University and UBC," said Kozak.

"The students who complete their studies here will return to Hungary with a clearer picture of the global issues that affect forestry and sustainable development and the free enterprise establishment."

Paszner said it's crucial that the knowledge that these students gain at UBC be taken back with them to Hungary.

"This is at the heart of the scholarship," said Paszner. "These students must be committed to returning to Sopron so that the knowledge they've gained may be shared with the rest of the university."

The scholarship has been in the works for about a year. It was formally put in place when University of Sopron President Andras Winkler visited UBC last month.

"This is truly an historical occasion," said Winkler during his visit. "It's the first time a Sopron University official has visited Canada. I am tremendously impressed by the work being done by the Faculty of Forestry at UBC and the knowledge that will be acquired by my colleagues through this scholarship."

Photo by Media Services

Forestry Professor Laszlo Paszner, University of Sopron President Andras Winkler and Forestry Associate Dean Antal Kozak (left to right) in front of Sopron House.

The establishment of the scholarship is the latest link that ties these two institutions. One of the housing units built by UBC to help attract newly recruited faculty, librarians and management and professional staff has been named Sopron House. And at International House, there hangs a plaque that was presented to UBC by the exiled students in 1961.

It reads: "UBC Adopted Sopron, 1956-61."

The Sopron Scholarship is one example of faculty and staff initiatives that are part of the current Faculty and Staff Development Campaign at UBC. As part of this campaign, President David Strangway has provided the opportunity for donors to support a particular campus unit.

Donations can be channelled into a discretionary endowment fund for unit projects such as library acquisitions, scholarships, research projects and other initiatives. Unit heads and deans will determine the priorities with final approval from Dan Birch, vice president, academic.

Proposed projects should be sent to Dennis Pavlich, chair of the Faculty and Staff Development Campaign, as soon as possible.

"By providing flexibility at the faculty and department level, the President's Fund Faculty and Staff Endowment will strengthen UBC's ability to respond to change and pursue innovation," said Pavlich.

Sustainable development topic of seminar series

By ABE HEFTER

Sustainable development is threatening to become a catch-all phrase that is in danger of losing its true meaning and global importance, according to visiting UBC Law Professor Ivan Head.

"The term sustainable development is becoming commercialized to a certain extent," said Head. "We must be on guard to avoid this reckless use of language."

Head, president of the International Development Research Institute in Ottawa for 13 years before joining UBC this fall, will deliver the first in a continuing series of seminars at the Woodward Instructional Resource Centre today.

The series is being sponsored by the Sustainable Development Research Institute, recently established by UBC to address the problems associated with environmental degradation and other issues.

Part of the problem, according to Head, is that of semantics.

"There has been a tendency by some people to try to interchange the words sustainable development with sustained development," said Head. "These two phrases may sound similar, but they are at opposite ends of the spectrum."

"Sustained development seeks the continuation of present growth, which is simply not possible if the industrial needs of developing countries are to be addressed in an environmentally responsible manner," he said.

"Sustainable development, on the other hand, ensures that the earth's life support systems will not be disturbed to the point where they will not be capable of supporting human activity."

"It's that basic an issue," Head added.

He said seminars like these can help change people's attitudes and behavior towards sustainable development.

"Changing people's attitudes is perhaps the most pressing issue that faces the world today. It's part of the education process."

For more information on the Sustainable Development Research Institute seminar series, please phone 822-8198.

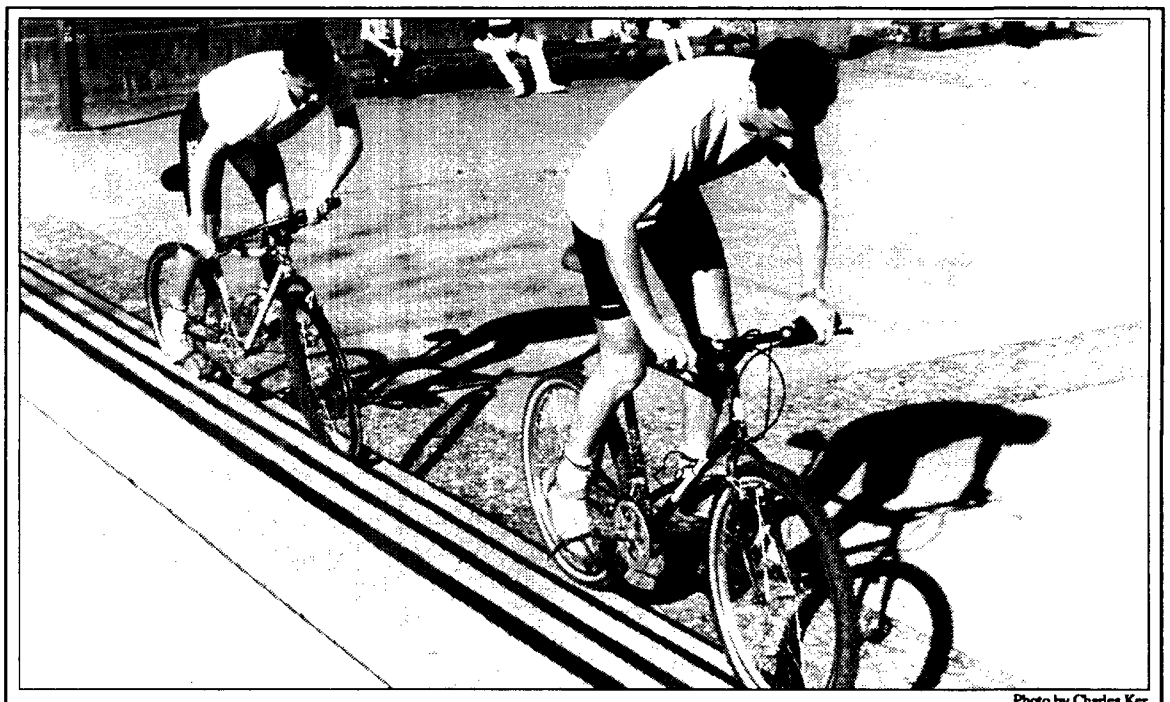


Photo by Charles Ker

Fall has been slow in coming to the UBC campus, as the city has been basking in unseasonably warm weather. Enjoying the balmy weather are a couple of cycling acrobats, step-climbing in front of SUB.

'Roe popping' strain on hands, wrists

Workers develop muscle condition in fish plants

By CONNIE FILLETTI

Fish processing workers engaged in manually removing roe from herring, commonly known as roe popping, are more susceptible to developing the muscle condition, carpal tunnel syndrome (CTS), concludes a study by UBC researchers.

More than one hundred female workers employed at three B.C. fish processing plants were examined in the pre-roe popping season under normal conditions, and then during the industry's peak season between February and May last year.

Most of the control group were housewives, students or employees, with minimal exposure to forceful and repetitive hand-wrist activity.

The study indicates that the prevelance of CTS among roe poppers during for the peak season was 39 per cent — more than quadruple pre-season levels of eight per cent.

Carpal tunnel syndrome is soreness, tenderness and weakness of the thumb muscles caused by pressure on the median nerve at the point at which it goes through the wrist joint.

Symptoms range from mild tingling, numbing and burning to gradual loss of muscle power in the thumb. This decreases the person's ability to use their hand, disabling them in work, self-maintenance and leisure activities.

"Manually removing roe is a high stress technique," said Robert Brubaker, principal investigator of the study.

"We found some evidence to suggest that high manual stress techniques of roe popping were more hazardous than lower stress."

In addition to hand and wrist symptoms, workers reported an increased incidence of pain in the elbow and shoulder, as well as neck pain or stiffness, during the peak roe popping season, the study reports.

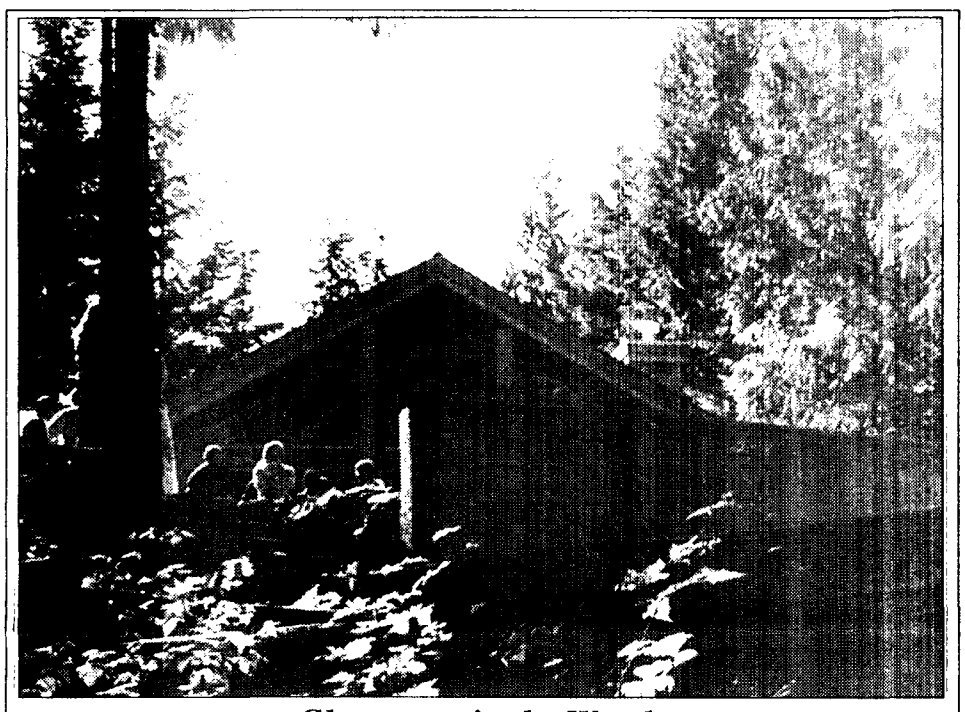
Brubaker added that inexperienced workers may be at greater risk to develop CTS, compared to employees with previous roe popping experience.

"With the possible exception of current use of birth control pills, no other competing explanations such as leisure time activities or a history of other medical conditions explained the reports of hand and wrist pain at the peak periods," Brubaker said.

"Due to the small number of subjects using birth control pills in comparison to the large number of subjects with the onset of new symptoms, roe popping was the likely cause of increased symptoms."

Brubaker explained that nerve abnormality among many roe poppers may reverse after a rest period of three to four months, corresponding to the pre-season period in the fish industry when most workers are unemployed.

He cautions, however, that this should not lessen the need for primary prevention since a progression of symptoms among those already afflicted is possible, as well as reoccurence among those previously affected.



Classroom in the Woods

A view from Loon Lake of the new Monsanto Classroom, which was officially opened October 4 at the Malcolm Knapp Research Forest. Managed by the Faculty of Forestry, the new classroom will be used by many faculties and departments on campus.

Appeal off to a lively start

United Way

By CONNIE FILLETTI

Pledges totalling more than $115,000 have been received from almost 700 UBC faculty and staff — less than midway through the annual campus United Way appeal.

"That's 41 per cent of this year's $280,000 target," said Dr. William Webber, chair of the 1991 campaign. "I'm delighted that the campaign is going so well at this early stage. It reflects great credit on both the volunteers and donors. It is important that everyone keep up the good work."

An Oktoberfest held by the Plant Operations Department on Oct. 4 raised $1,200 for the campaign.

A Fun Fundraiser — karaoke performances featuring faculty members offering renditions of their all-time favorite tunes — is scheduled for 12:30 p.m. to 2:30 p.m. today in IRC lecture Hall 2.

Entertainers include Dr. David Hardwick, associate dean of the Faculty of Medicine, John McNeill, dean of Pharmaceutical Sciences, Dr. Charles Slonecker, head of Anatomy and director of Ceremonies, and Norm Watt, director of Extra Sessional Studies.

"We hope to increase awareness of the United Way campaign throughout the campus community," said Joan Cosar, who organized the event. "We would also like everyone to have fun, enjoy the entertainment and think about becoming a contributor to UBC's United Way campaign."

A $1 donation gets you into the festivities.

The United Way is a volunteer-led, registered charitable organization committed to caring for people through funding for its agencies and other non-member organizations.

UBC's fundraising drive continues through to the end of October.

Around & About

The Art and Science of Coaching

By RON BURKE

Have you been to a UBC athletic event lately? You might be surprised at the speed, power and technical skills of the athletes the university produces. Just as impressive, though perhaps less noticeable, are the coaches UBC produces.

Talk to coaches around campus about their training methods and these are some of the words you'll hear: goal-setting, motivation, growth, biomechanics, ethics, decision-making and drug education.

"Today's players are bigger, faster, stronger, tougher and meaner," says Misty Thomas, coach of the women's basketball team. "Coaches have had to catch up to utilize the increased potential these athletes have."

Coaching has evolved in various ways.

"Ten years ago, I was concerned about what I knew technically," says women's volleyball coach Donna Baydock. "Having played on the national team, it turned out that I had the technical knowledge. What I came to realize was that I wan't specifically coaching my players about the psychological aspects of the game. I've had to learn to cover that."

Baydock supplemented her on-court learning with a master's of physical education degree in motor learning and psychology at UBC. Like many of today's coaches, she has taken advantage of an ever-growing range of programs on campus.

Casey Smith, assistant head coach of the football team, will complete a master's of physical education degree in exercise physiology and coaching sciences at UBC this fall. He is also a certified strength and conditioning specialist and a certified drug education co-ordinator. And he is the son of Frank Smith, the head coach.

"I'm lucky," he says. "I've been able to learn from my dad, as well as take a lot of courses that weren't around 20 or 30 years ago, courses with a scientific approach. In the old days, if a team had a strength coach at all, it was probably somebody who had lifted a lot of weights. He likely didn't know much about nutrition or physiology or training methods."

One might guess that, with all of this training, Casey Smith's favorite part of coaching would be some highly technical, science-based performance evaluation of his players.

Nope.

"It's winning," Smith grins. But it's not just winning.

"It's great to devise something, explain it to the team in practice and then have them successfully execute it during the game," he says. He also talks about the satisfaction of "seeing some skinny, insecure kid you recruited come in, develop into a good athlete, complete his education and then go out into the world and get a job."

> "I've found different ways to deal with winning, but losing doesn't get any easier."

Like Smith, Thomas thrives on the challenge of analysing the game, of preparing her players and devising strategies that will produce winning efforts.

"Sometimes we lose because the strategy was right but the players didn't execute," she says. "Other times we may win, but I know I didn't coach well — the players won in spite of me. The greatest satisfaction is when the coaching strategy combines with the players' execution to produce a win."

Thomas' counterpart on the men's basketball team, Bruce Enns, has been honored by the CIAU as coach of the year for the last two years. He coaches his players to keep winning in perspective.

"The team and I understand that winning games is only one measure of success," he says. "Growth is very important."

This is not to suggest that Enns is a happy loser. "After 34 years of coaching," he says, "I've found different ways to deal with winning, but losing doesn't get any easier."

Enns offers this analysis of why he loves to coach.

"Basketball, along with many other sports, is as much a creative and performing art as theatre or music, and I want the players to approach it in that fashion" he says.

"It's a game for the mind. The players who are the most creative and spontaneous, yet disciplined, will be the most successful."

October 20 – November 2

THURSDAY, OCT. 17

Sustainable Development Research Seminar Series

Is Sustainable Development An Appropriate Paradigm For Society? Dr. Ivan Head, visiting professor, Law. Introduction to series: President D. W. Strangway. IRC #6, 12:30 to 1:30 p.m. Discussion follows. Call 822-8198.

SUNDAY, OCT. 20

School of Music

Voice Masterclass: Diction And Style. Nico Castel. Recital Hall at 10am. Call 822-5574.

MONDAY, OCT. 21

Applied Mathematics Colloquium

Individual Based Models In Ecology. Dr. Carl Walters, Fisheries Centre. Math 104 at 3:45pm. Call 822-4584.

Mechanical Engineering Seminar

Recent Developments In Computer Graphics At UBC. Alain Fournier, assoc. professor, Computer Science. Civil/Mech. Eng. 1202 from 3:30-4:30pm. Call 822-6200/4350.

Biochemistry/Molecular Biology Seminar

Discussion Group. Mapping And Sequencing The Genome Of C. elegans. J. Sulston, MRC Lab/Molecular Biology, Cambridge, England. IRC #1 at 3:45pm. Call Dr. Michael Smith at 822-4838.

Paediatric Research Seminar Series

Anti-Viral Therapy: Where Are We In 1991? Professor Charles G. Prober, Peds/Medicine and Chief of Staff, Lucille Packard Children's Hospital, both of Stanford U. BC Children's Hosp. 3D16-ABC at 12pm. Refreshments 11:45am. Call 875-2492.

Astronomy Seminar

Observational Signatures Of Active And Passive Magnetic Fields In ExtraGalactic Radio Sources. Dr. D. Clarke, U. of Illinois. Geophysics/Astronomy 260 at 4pm. Refreshments 3:45pm. Call 822-6706/2267.

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Please recycle

CALENDAR DEADLINES

For events in the period November 3 to November 16, notices must be submitted by UBC faculty or staff on proper Calendar forms no later than noon on Tuesday October 22 to the Community Relations Office, Room 207, 6328 Memorial Rd., Old Administration Building. For more information call 822-3131. The next edition of UBC Reports wil be published October 31. Notices exceeding 35 words may be edited.

TUESDAY, OCT. 22

Museum of Anthropology Seminar

Tresses, Locks, And Plaited Strands. Rabbi Itzhak Marmorstein, Kuldip Gill, Martine Reid. Free admission. MOA Theatre Gallery from 7:30-9:30pm. Call 822-5087.

Modern Chemistry Lectures

TBA. Dr. Paul Hopkins, U. of Texas, Austin. Chem 250 South Block at 1pm. Call 822-3266.

Medical Genetics Seminar

Reader In Developmental Genetics. Dr. Mary Sellers, Guys Hospital, London, Eng. IRC #1 from 4:30-5:30pm. Refreshments 4:15pm. Call 822-5312.

Botany Seminar

The Isotopic Composition Of Global Free Oxygen And Interface Between Biogeochem/Plant Physiology. Dr. Robert Guy. BioSciences 2000 from 12:30-1:30pm. Call 822-2133.

Oceanography Seminar

Some Aspects Of Global Climate Modelling In Australia. Chris Reason. BioSciences 1465 at 3:30pm. Call 822-2828.

Statistics Seminar

Designing Long Term Environmental Monitoring Networks. Professor J. Zidek, Statistics. Angus 223 at 4pm. Call 822-2234/4997.

Psychiatry Seminar

The Present Crisis In The Canadian Health Care System: What Has Gone Wrong And What Can Be Done? Drs. Lois Fuller, asst. professor, Psychiatry; John Anderson, B.C. Royal Commission on Health Care; Terry Anderson, prof. Social Ethics; Jon Willms, prof. Social Work. Moderator: Dr. Shaila Misri. Comox Building, St. Paul's Hospital at 7:30pm. Call 875-2025.

Centre for Research in Women's Studies/Gender Relations

Social Construction Of Race And Gender. Family/Nutritional Sciences 320 from 12:30-1:30pm. Call 822-9173.

International Resource Management Seminar

Int'l. Development At The Turning Point: Swiss/Canadian Approaches To Development In Nepal. Ben Dolf, former director, Helvetas, Swiss Tech. Assistance, Nepal, and H. Schreier, Soil Science. Library Processing Seminar room from 12:30-2pm. Call 822-4401/4898.

Asian Research Institute Seminar

Co-sponsors: Community/Regional Planning and the Centre for Human Settlements. Urbanization in Vietnam: The Planning Challenge. Four visiting academics from Vietnam. Asian Centre 604 from 12:30-2pm. Call 822-4688/5254.

Classics/Architecture Illustrated Lecture

Computer-Assisted Drafting And Design For Archaeologists/Architectural Historians. Dr. Harrison Eiteljorg II, Bryn Mawr. Lasserre 202 from 3:30-5pm. Call 822-2889/2779.

Classics Illustrated Lecture

Gateway: The Entrance To The Athenian Acropolis From 490-437 BC. Dr. H. Eiteljorg II, Bryn Mawr. Hellenic Community Centre, 4500 Arbutus at 8pm. Call 822-2889.

Pulp/Paper Centre Seminar

Some Actual Environmental Issues In Scandinavia. Professor Rolf Brannland, Royal Inst. of Technology, Cellulose Tech., Stockholm. Pulp/Paper Centre 101 at 11:30am. Call 822-8560.

Faculty Development Seminar

Kolb's Learning Styles. Linda Coyle, instructional skills facilitator. Angus 104 from 3:30-5pm. Registration required. Call 822-9149.

President's Committee on Lectures

La Diffiusion Manuscrite De La Pensee Au SVIIIe Siecle: Les Textes Clandestins. Professor Francois H. Moureau, U. de Bourgogne en Dijon. Buchanan D244 at 12:30pm. Call 822-3131.

WEDNESDAY, OCT. 23

Geography Colloquium

Landscapes Remembered: Landscapes Today: The Changing Southeast Asian Urban World. Professor Terence G. McGee, Geography/director, Asian Research Institute. Geography 201 at 3:30pm. Refreshments at 3:25pm. Call 822-2985/2663.

Forestry Seminar

Not Sleeping Beauties: Physiological Changes Associated With Extended Cold Storage Of Coniferous Seedlings For Reforestation. Dr. Edith Camm, Botany/Forest Sciences. MacMillan 166 from 12:30-1:30pm. Call 822-3553.

Orthopaedic Grand Rounds

TBA. Eye Care Centre Auditorium, 10th/Willow at 7:30am. Call 875-4646.

Microbiology Seminar Series

Cancelled. Call 822-6648.

Mechanical Engineering Lunchtime Discussion

Fire Protection Engineering. Dr. Jack Odgers, National Research Council. Civil/Mech. Eng. 1212 from 12:30-1:30pm. Call 822-5562.

Library/Archival/Information Studies Public Lecture

Co-sponsor: Alcuin Society for the Book. The Hand Printed Books Of Shirley Jones, Welsh poet/printer with Shirley Jones, Red Hen Press. Main Libr. 835N from 7:30-8:30pm. Call Dr. Richard Hopkins at 822-3184.

Health Promotion Research Seminar

Sponsored by the Institute. The Healthy Cities Network In The Netherlands: Open-Ended Megamarketing. Dr. Evelyn de Leeuw, School of Health Sciences, U. of Limburg. IRC #4 from 4-5:30pm. Call 822-2258.

President's Committee on Lectures

Motesquieu, Voyageur. Prof. Francois H. Moureau, U. de Bourgogne en Dijon. Buchanan Tower 826 at 11:30am.

Church/Native Issues Lecture

Arch Deacon Ian Mackenzie. Buchanan B224 from 4:30-6:30pm. Call 224-1410.

THURSDAY, OCT. 24

Spotlight On Safety Show

Safety related services/equipment suppliers. Sponsor: the University Health and Safety Committee as part of Health/Safety Awareness Week. IRC Concourse, main level from 9am-5pm. Call 822-5779.

Constitutional Lecture

Renewed Federalism Or Two Nations? Robin Elliot, LLM, Law. Curtis 101/102 from 12:30-1:30pm. Question period follows. Call 222-5238.

Pharmacology Seminar

Biotransformation Of Aromatic Compounds By Fungi. Dr. Margo Moore, BioSciences, SFU. IRC #2 from 11:30am-12pm. Call 822-2575.

Psychiatry Academic Lecture

Treatment Resistant Depression. Dr. Craig Risch, Emory School of Medicine, Atlanta, GA. Detwiller Pavilion Lecture Theatre, University Hospital, UBC Site from 12-1pm. Call 822-7325.

Physics Colloquium

Laser Guide Star Adaptive Optics. Robert Fugate, Star Fire Optical Range, US Airforce. Hennings 201 at 4pm. Call 822-3853.

Philosophy Colloquium

Scepticism, Interpretation And The Omniscient Red-Herring: How Critics Mislocate Davidson's Problem Of Error. Victoria McGeer, Dalhousie U. Buchanan D344 at 4pm. Call 822-3292.

Plant Science Hort Club Lecture

Seeds Of Survival: Ethiopia And Malki. Marie De Lude, program officer, U. of Southern California. Plant Sci. Greenhouse from 1:30-2:20pm. Call 822-3283.

Policy Studies in Education Seminar

Sponsored by the Centre. White Supremacy, The Chinese/State Formation in BC: Historical Perspectives/Implications For Contemporary Educational Policy. Ponderosa Annex H-123 from 12-1pm. Call 822-5295/2593.

FRIDAY, OCT. 25

Obstetrics/Gynaecology Grand Rounds

Hysteroscopic Surgery: Evolving Indications/Local Experience. Dr. Barry Sanders. University Hospital, Shaughnessy Site D308 at 8am. Call 875-2171.

Paediatrics Grand Rounds

Management Of The Creative Environment For Rehabilitation Research. Dr. Matt Liang, director, Arthritis Research Day. GF Strong Auditorium at 9am. Call 875-2118.

Biotechnology Seminar

Combustion Of Lignogel In Pilot Lime Kiln. Nualpan Thammachote, graduate student. ChemEngineering 206 at 3:30pm. Call 822-3238.

Social Work Day Conference

Beyond Stereotypes: Escaping The Effects Of Definition. Dr. Carole Christensen, director, Social Work. Vancouver School of Theology Chapel from 8:30am-4:30pm. Students $15, others $25. Call 822-5035.

SATURDAY, OCT. 26

Museum of Anthropology

Children's Story Hour for age 6 and older. The Transformer Legend. Ted Seward, Elder of the Raven Clan, Coast Salish. MOA Rotunda from 11:15am to 12:15pm. Free with museum admission. Call 822-5087.

Vancouver Institute Saturday Night Lecture

Vancouver: North America's First Pacific Rim City. Dean Michael A. Goldberg, Commerce/Business Administration. IRC #2 at 8:15pm. Call 822-3131.

SUNDAY, OCT. 27

Museum of Anthropology Performance

Beth Tikvah Mixed Adult Choir. Jewish music including works of Canadian Jewish composers. MOA Great Hall at 2:30pm. Free with museum admission. Call 822-5087.

MONDAY, OCT. 28

Astronomy Seminar

Are Luminous Blue Variables, And WR Stars Related? Dr. A.B. Underhill, Geophysics/Astronomy. Geophysics/Astronomy 260 at 4pm. Refreshments at 3:45pm. Call 822-6706/2267.

October 20 – November 2

Mechanical Engineering Seminar

Environmental Challenges For Engineers In The Pulp/Paper Industry. Jim Wearing, assoc. director, PAPRICAN, Vancouver Laboratory. Civil/Mech. Eng. 1202 from 3:30-4:30pm. Call 822-6200/4350.

TUESDAY, OCT. 29

Medical Genetics Seminar

Isolation/Mapping Of DNA Fragments From Human Chromosome 5. Lynn Bernard, BSc, graduate student. IRC #1 from 4:30-5:30pm. Call 822-5312.

Statistics Seminar

Transect Design For Estimating The Functional Of A Surface. Professor Nancy Heckman, Statistics. Angus 223 at 4pm. Call 822-4997/2234.

Biological Sciences Seminar

TBA. Varina Tunnicliff, U. of Victoria. BioSciences 1465 at 2:30pm. Call 822-2828.

Economics Seminar

TBA. Ben Bernanke, Princeton U. Buchanan D225 from 4-5:30pm. Call 822-2876.

Botany Seminar

Molecular Insights On The Origin And Adaptive Radiation Of The Hawaiian Silversword Alliance. Dr. Bruce Baldwin, Ecology/Evolutionary Biology, U. of Arizona. BioSciences 2000 from 12:30-1:30pm. Call 822-2133.

Lecture in Modern Chemistry

TBA. Dr. Barry M. Trost, Stanford U. Chem 250-S. at 1pm. Call 822-3266.

WEDNESDAY, OCT. 30

Forestry Seminar

Twenty Years Of Experimental Fish Research In The Malcolm Knapp Experimental Forest. Professor Thomas Northcote, Zoology/Forest Sciences. MacMillan 166 from 12:30-1:30pm. Call 822-3553.

Microbiology Seminar Series

Signal Transduction Between Invasive Bacteria And Their Host Cells. Dr. Ilan Rosenshein, Biotechnology Laboratory. Wesbrook 201 from 12:30-1:30pm. Call 822-6648.

Economics Seminar

Welfare Worsening Information Revelation In Credit Markets. James Vercammen, Agricultural Economics. Buchanan D225 from 4-5:30pm. Call 822-2876.

Classics Illustrated Lecture

The Mysteries Of Easter Island. Dr. Georgia Lee, UCLA. Museum of Anthropology Theatre Gallery at 8pm. Call 822-2889.

Constitution Lecture

Deconstruction Of The Nation: Christianity And The Constitution. Dr. R.C.G. Johnson, Anglican Community. Buchanan Penthouse from 4:30-6:30pm. Call 224-1410.

THURSDAY, OCT. 31

Pharmacology Seminar

The Role Of Protein Kinase C In The Contraction Of Respiratory Smooth Muscles. Dr. John M. Langlands, Pharmaceutical Sciences. IRC #2 from 11:30am-12:30pm. Call 822-2575.

Obstetrics/Gynaecology Research Seminar

Transgenic Models Of Gene Function And Human Disease. Dr. Jamey Marth, asst. professor, Biomedical Research Centre; Medical Genetics/Biochemistry. Grace Hospital 2N35 from 1-2pm. Call 875-2334.

Physics Colloquium

Weak Baryon Number Violation. Larry McClerran, U. of Minnesota. Hennings 201 at 4pm. Call 822-3853.

Philosophy Colloquium

A Reconsideration Of The Harsanyi-Sen Debate On Utilitarianism. John Weymark, Economics. Buchanan D344 at 4pm. Call 822-3292.

Political Science Lecture

The Process of Constitutional Change. Dr. Avigail Eisenberg, Political Science. Chair: Dean Lynn Smith. Curtis 101/102 from 12:30-1:30pm. Question period 1:30-2pm. Call 222-5238.

FRIDAY, NOV. 1

Mechanical Engineering Lunchtime Discussion

Informal discussion. Subhasis Chowdhury, graduate student. Civil/Mech. Eng. 1212 from 12:30-1:30pm. Call 822-5562.

Paediatrics Grand Rounds

What Happens To The Smallest Babies And Their Families. Dr. M. Whitfield, assoc. professor, Neonatology. GF Strong Auditorium at 9am. Call 875-2118.

Chemical Engineering Seminar

Design Of Electrochemical Reactors. Isaac Hodgson, graduate student. ChemEngineering 206 at 3:30pm. Call 822-3238.

Economics Seminar

TBA. Mick Devereux, Queen's U. Buchanan D225 from 4-5:30pm. Call 822-2876.

SATURDAY, NOV. 2

Vancouver Institute Saturday Night Lecture

The Mega Cities Of Eastern Asia: A New Phase In Global Urbanization. Professor Terence G. McGee, Geography/director, Institute of Asian Research. IRC #2 at 8:15pm. Call 822-3131.

NOTICES

Health And Safety

Health And Safety Awareness Week. October 21-25. IRC Concourse, main level from 9am-5pm. Call 822-5779.

UBC Speakers Bureau

Would your group like to know more about topics ranging from Northwest Coast Native Architecture to Hypertension in Pregnancy? More than 500 topics to choose from. Call 822-6167 (24-hr. ans. machine).

Museum of Anthropology Ceramics Symposium

The Turning Point. Twenty speakers from Canada and Europe. Wed-Sat, evenings Oct. 30-Nov 2. Adults $150, members/students $125. Call 822-5087.

Graduate Student Centre

Live entertainment every Friday in the Fireside Lounge from 8-11pm. No cover. Call 822-3203.

Carpool Matching

A service for faculty, staff and students. Call Karen Pope, Dean's Office, Applied Science at 822-3701 and find your area match.

Call For Former UBC Athletes

Athletics is updating its mailing list of former athletic team players: originators/contributors to programs in place today. If you qualify or are knowledgeable in the location of any other past player, call 822-8921 after 4:30pm.

Fine Arts Gallery

Open Tues.-Fri. from 10am-5pm. Saturdays 12pm-5pm on. Free admission. Main Library. Call 822-2759.

Health Sciences Bookshop Open Saturday

The Bookshop is open Mon.-Sat. from 9:30am-5pm in the Medical Student/Alumni Centre at Heather and 12th Ave. Call 879-8547.

Executive Programmes

One/two day business seminars. Oct. 20-Nov. 2 series includes: Networking PC's, $895. Project Management Process, $950. Custodial Staffing/Standards, $825. Dealing With Troubled Employees, $495. Training Managers To Train, $675. E.D. MacPhee Executive Conference Centre. Call 822-8400.

Centre for Continuing Education Programmes

Professional Development Series: Oct/Nov Workshops for Practising Language Teachers: Teaching for English in Japan, Videotaping in the Language Class. Stimulating Student Talk/Public Speaking/Debating. Tues. evenings from 7-9pm. Call 222-5208.

Reading, Writing/Study Skills Centre: Non-credit courses in grammar, composition, study skills, reading for speed/comprehension/business writing/reports/proposals. Call 222-5245.

Language Programs/Services: Continuing: Non-credit courses in beginner, intermediate or advanced levels of conversational French, Spanish, Japanese, Mandarin and Cantonese. Tuesday/Thursday evenings and Saturday mornings for 10 weeks. Call 222-5227.

Statistical Consulting/Research Laboratory

SCARL is operated by the Department of Statistics to provide statistical advice to faculty and graduate students working on research problems. Forms for appointments available in Ponderosa Annex C-210. Call 822-4037.

Muscle Soreness Study

Volunteers, ages 20-45 yrs. required for research study. If you primarily walk as a form of exercise, call Donna at Rehab Medicine. Call 822-7571.

High Blood Pressure Clinic

Volunteers (over 18 years) needed, treated or not, to participate in clinical drug trials. Call Dr. J. Wright or Mrs. Nancy Ruedy in Medicine at 822-7134.

Seniors Hypertension Study

Volunteers aged 60-80 years with mild to moderate hypertension, treated or not, needed to participate in a high blood pressure study. Call Dr. Wright or Nancy Ruedy in Medicine at 822-7134.

Herpes Research Study

Participants needed for treatment studies of shingles (herpes zoster) and first herpes simplex infections, with new antiviral agents. Also ongoing study for males 18-45 years with recurrent herpes simplex. Dr. Stephen Sacks, Medicine, sponsoring physician. Call 822-7565 or leave your name/number at 687-7711, pager 2887.

Heart/Lung Response Study

At rest and during exercise. Volunteers age 45-75 years, all fitness levels, required. No maximal testing. Scheduled at your convenience. Call Fiona Manning, School of Rehab. Medicine, 822-7708.

Lung Disease Study

Subjects with emphysema or fibrosis needed to investigate means of improving lung function without drugs. Call Fiona Manning, School of Rehab Medicine, 822-7708.

Bereavement Study

Participants needed for a study investigating the long-term effects of adolescent bereavement. Must have lost either parent at least five years ago, and have been between 13 and 17 years at the time of the loss. Two one-hour interviews required. Please call Ann McKintuck in Nursing at 224-3921/3999.

Retirement Study

Women concerned about retirement planning needed for an 8-week Retirement Preparation seminar. Call Sara Comish Counselling Psychology at 931-5052.

Personality Study

Volunteers aged 30 or more needed to complete a personality questionnaire. Required, 2 visits, about 3 hours total. Participants receive a free personality assessment and a $20 stipend. Call Janice in Dr. Livesley's office, Psychiatry, Detwiller 2N2, 822-7895.

PMS Research Study

Volunteers needed for a study of an investigational medication to treat PMS. Call Doug Keller, Psychiatry, University Hospital, Shaughnessy site at 822-7318.

Hair Loss Research

Women aged 19-49 years experiencing moderate hair loss, crown area only, are needed for study. Must be able to attend 1-2 times weekly for 9 months. Honorarium paid. Call Sherry in Dermatology at 874-8138.

Dermatology Acne Study

Volunteers between 14-35 years with moderate facial acne needed for 4 visits during a three month period. Honorarium paid. Call Sherry at 874-8138.

Stress/Blood Pressure Study

Learn how your body responds to stress. Call Dr. Wolfgang Linden in Psychology at 822-3800.

Surplus Equipment Recycling Facility

All surplus items. Every Wednesday, 12-3pm. Task Force Bldg., 2352 Health Sciences Mall. Call 822-2813.

Student Volunteers

Find an interesting and challenging volunteer job with Volunteer Connections, UBC Placement Services, Brock 307. Call 822-3811.

Narcotics Anonymous Meetings

Every Tuesday (including holidays) from 12:30-2pm, University Hospital, UBC Site, Room M311 (through Lab Medicine from Main Entrance). Call 873-1018 (24-hour Help Line).

Fitness Appraisal

Administered by Physical Education and Recreation through the John M. Buchanan Fitness and Research Centre. Students $25, others $30. Call 822-4356.

Faculty/Staff Badminton Club

Fridays from 6:30-10pm in Gym A of the Robert Osborne Centre. Cost is $15 plus library card. Call Bernard at 822-6809 or 731-9966.

Botanical Garden

Open from 10am-5pm daily. Free admission Call 822-4208.

Nitobe Garden

Beginning Oct. 15 open from 10am-3pm Mon-Fri. Call 822-6038.

NOTICE

CALENDAR POLICY

Due to the popularity of the Calendar, the number of submissions is constantly increasing. Because of space limitations, It is not always possible to include every item. In order to be as fair as possible, for future issues, the number of items for each faculty or department will be limited to four per issue.

Film department students heading for the big time

By CHARLES KER

They couldn't have asked for a better debut.

UBC film students Fred Thorsen, Joshua Gross and Cathy Garneau recently launched their careers by winning first prizes in national and provincial film festivals.

Thorsen's film Wake Linda and Gross's Learning to Dance tied for first place in the fiction division of the Montreal Student Film Festival. Garneau (alias Katalina Von Garnowski) won a first in last year's B.C. Student Film Festival for her 10-minute theatrical short, Amelia Earhart Found Alive.

Gross, who wrote, produced, directed, edited and acted in Learning to Dance, attributes much of their success to the film division's five full-time faculty.

"Our profs have all worked in the business themselves, know the industry and know how to get things done," said Gross.

When it began in the late '60s, the film program was an offshoot of the Theatre Department. Since then, its course offering has expanded from an undergraduate degree and a diploma in film studies, to include an MA in film theory and an MFA in film production.

In 1986, a Centres of Excellence grant of $300,000 led to the purchase of state-of-the-art cameras and editing equipment which permitted more ambitious graduate thesis projects. Enrolment in film has since doubled, from 36 to about 70 students, with the discipline now getting equal billing in the renamed Department of Theatre and Film.

Photo by Media Services

Film student Shaun Cathcart edits the film Command Performance, a collaboration between the Departments of Creative Writing, Music and Theatre and Film.

Associate Professor Ray Hall, who has worked in film and television production for more than thirty years, said UBC graduated close to 400 film students during the 1980s. Most of these graduates are now employed in the industry as producers, directors, writers, cinematographers or technicians.

Among the notable developments at UBC has been the creation of the university's student film festival, Persistence of Vision. The winning Montreal entries by Garneau, Gross and Thorsen were all screened at the third annual POV '91 Festival held at Robson Square.

This year, a collaborative effort among the Theatre and Film, Creative Writing and Music departments has resulted in the short feature, Command Performance.

The 25-minute, made-for-TV movie was written by Creative Writing student Jaan Kolk, directed by Film's Assistant Professor John Newton and scored by UBC Music Department graduate Ari Wise, using a UBC orchestra.

George McWhirter, head of Creative Writing, said Command Performance will be the first of many such collaborative works.

"This is the model we envisaged from day one," he said. "Our scripts would be picked up by a director in film, cast in theatre and scored in music much like any professional production."

Creative Writing also has its ties to the film industry with Hart Hanson and Assistant Professor Linda Svendsen.

Hanson, formerly in charge of script development for CBC in western Canada, now writes popular TV series for CBC, CTV and CBS as well as scripts for local production companies. Svendsen is currently adapting Margaret Laurence's The Diviners for television with Atlantis Films.

Still rooted in the basement of Brock Hall Annex, the film division will need more space if it is to attract more students.

In the meantime, Hall says students and faculty will continue making movies together.

"The goal is to give the students an idea of what a professional film shoot is like and also to give them something they can use as a credit when they go out looking for work for themselves."

Photo by Media Services

Learning the not-so-gentle art of self defence, women are taught to protect themselves by Wenlido instructor Jennifer Kirkey during a recent class sponsored by UBC's Sexual Harassment Office.

Hair-loss patients respond to drug treatment in study

By CONNIE FILLETTI

Most things are not worth losing your hair over. But for one per cent of Canadians, extreme stress may cause alopecia areata, a type of hair loss commonly affecting the scalp.

But help may be on the way for an estimated 40 per cent of the men and women who suffer from alopecia areata across Canada and the U.S.

Results of a recent study by Dr. Jerry Shapiro, a UBC clinical assistant professor of Dermatology, showed a 40 per cent success rate in regrowing hair on patients with chronic, severe alopecia areata.

In the first study of its kind in North America, Shapiro treated ten patients with a new drug, diphencyprone (DPCP).

Each patient had greater than 50 per cent hair loss of the scalp for more than one year's duration. The average amount of time that had elapsed with no hair growth among the study group was 12 years. Only half the scalp was treated, once a week over a six month period.

"With DPCP, there was cosmetically acceptable hair growth, with a noticeable improvement in the coarseness, color and thickness of hair, in 40 per cent of the men and women who completed the study," Shapiro said.

Shapiro explained that alopecia areata usually starts with one or more small, round, smooth patches. Normally, the hair follicles on the scalp are producing 35 metres of hair each day.

In alopecia areata, the affected hair follicles slow down production drastically, become very small and grow no hair that is visible above the surface for months or years.

Shapiro added that while they are in this hibernation-like state, the hair follicles remain alive below the surface, ready to resume normal hair production whenever they receive the appropriate signal.

Mild side effects observed in patients participating in the study included cervical swelling, eczema and increased pigmentation of the skin.

Although DPCP has been used successfully in treating alopecia areata in Europe since 1983, and is allowed for use in Canada, the drug is not available in the United States.

The American Food and Drug Administration has questioned the purity and safety of DPCP, citing the possibility of toxic substances being contained in the drug.

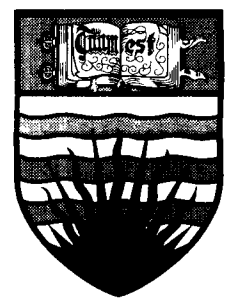
Shapiro said that DPCP has been endorsed as being safe by the European scientific community, and by the department of pharmaceutical chemistry at UBC.

He hopes that his study will widen the availability of DPCP for general use throughout North America.

Treatments with DPCP, which is rubbed directly onto the scalp, cost $100 for six months of therapy.

Shapiro is currently continuing to treat the study group with DPCP to determine the length of treatment required for a full head of hair.

Ceramics experts gather at UBC for symposium



It's not the oldest university in Canada, but UBC does have the oldest, registered university coat-of-arms in the country.

"It beat a lot of older institutions to the punch, I guess," said Robert Watt, Chief Herald of Canada.

But it's ceramics, not crests, which brings Canada's chief overseer of badges, flags and banners to the Museum of Anthropology later this month.

Watt, along with many of the world's leading pottery experts, will turn his critical eye on the Koerner Ceramics Gallery during a four-day ceramics symposium.

From Oct. 30 to Nov. 2, speakers from Czechoslovakia, Switzerland, the U.K. and the U.S. examine ceramics from a variety of disciplines including medicine, archeology, fine arts and anthropology.

Watt, who is responsible for registering and recording all new and old heraldic symbols in Canada, will focus on a few of the Koerner collection pieces that feature heraldry.

"I'll be talking about the backgrounds of the owners and their history, pure and simple," he said.

According to UBC curator Carol Mayer, the symposium is the first of its kind.

"Usually people dealing with ceramics are discipline-bound and look at it either one way or another," said Mayer. "This will be of interest to all people because it deals with art, history, archeology, anthropology... you name it."

Also included among the speakers is the man who assembled Koerner's 16th-century tiled stove, the centerpiece of the 600-piece collection donated to the museum. The stove, which arrived in 100 pieces, was put together by Ottawa conservator Carl Schlichting.

For more information about the symposium, call 822-5087.

Oktoberfest Raffle Winning Tickets

Prizes

1st	-	Stuffed Teddy Bear	Ticket no. 670239
2nd	-	Pair of Canucks Hockey Tickets	Ticket no. 670418
3rd	-	Talking Alarm Clock	Ticket no. 670158
4th	-	Case Garbage Bags	Ticket no. 670127

Phone Paul Cooke at 822-3013

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People

Two profs win high tech institute fellowships

Two UBC professors have been awarded distinguished fellowships from the Advanced Systems Institute of British Columbia.

Clarence de Silva, of the Department of Mechanical Engineering, holds the NSERC Research Chair of Industrial Automation. With the fellowship, he will receive $210,000 to establish a research program in Intelligent Control of Industrial Processes, research that will complement the ongoing activities of the Industrial Automation Laboratory, which he directs.

Tim Salcudean, of the Department of Electrical Engineering, will receive $250,000 to continue his research. He came to UBC in 1990 after three years at IBM, where he contributed to the development of the world's first magnetically-levitated robotic wrist. At UBC he is continuing his research in robotics, telerobotics and systems control areas.

The institute also announced that the original six fellows, first appointed in 1988, will now be known as fellows emeriti. They include Dale Cherchas and Ian Yellowley, both of Mechanical Engineering, David Kirkpatrick, Computer Science, and Peter Lawrence, Electrical Engineering.

The Advanced Systems Institute is a non-profit foundation that works in partnership with industry, universities and government to help develop B.C.'s high technology industry.

Dr. Ravindra Shah, an associate professor of Oral Biology, has been appointed chair of UBC's Committee on Animal Care.

Shah

The committee ensures that all animals used in teaching and research at UBC are treated with dignity and optimal care.

Shah has served as a member of the Committee on Animal Care for the past decade. In 1988, he was appointed to the Canadian Council of Animal Care and was recently named to Agriculture Canada's Committee on Animal Biotechnology.

The committee is also charged with inspecting and approving facilities for the housing, care and maintenance of animals, as well as implementing and reviewing procedures for securing the health and comfort of all animals and personnel working with them.

He currently chairs a committee concerned with the ethics of dental research in animals and humans for the International Association for Dental Research.

Dr. Marlene Hunter, clinical assistant professor of family practice, has been appointed president of the American Society of Clinical Hypnosis (ASCH).

Hunter, who joined UBC's Family Practice Department in 1981, also specializes in psychosomatic and behavioral medicine.

The ASCH is an international organization of over 3,500 members of the health professions, who share scientific and clinical interests in hypnosis. The society aims to provide and encourage education programs to further the knowledge and understanding of hypnosis, and to stimulate research and scientific publication in the field.

Hunter is past president of the Canadian Society of Clinical Hypnosis (B.C. division). She is also a member of the International Society of Clinical Hypnosis and the Swedish Society of Clinical and Experimental Hypnosis.

Peter Ufford, UBC's vice-president of External Affairs, has been appointed to the 14-member board of Rick Hansen's Man in Motion World Tour Society.

The society was created to administer the $23-million legacy fund created by Hansen's around-the-world wheelchair odyssey.

Apart from the Man in Motion Legacy Fund, more than $80 million has been raised for research and rehabilitation projects since Hansen returned to Vancouver in 1987.

Fifty per cent of the interest accumulating on the legacy fund is disbursed to support spinal cord injury research. The remaining 50 per cent goes toward rehabilitation, wheelchair sports and broad-based awareness programs.

Ufford, appointed vice-president on January 1, 1991, is a founding director of the Financial Development Association of British Columbia and the Canadian Centre for Philanthropy. He is also a member of the National Advisory Committee of Imagine, an initiative of the centre aimed at increasing the amount of time and money Canadians give to programs and causes they care about.

UBC graduate **Katherine Thompson** is the first recipient of the newly created Nordic Research Inc. Postdoctoral Fellowship Award.

The $25,000 award was established to encourage and promote research in the health sciences.

Thompson, who recently completed her PhD in Human Nutrition, will pursue studies in endocrinology, with an emphasis on diabetes, under the supervision of John McNeill, dean of Pharmaceutical Sciences.

Nordic Research Inc. is a major Canadian pharmaceutical company headquartered in Montreal.

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Project shows that survival of deer possible in second-growth forests

By ABE HEFTER

Forestry Professor Fred Bunnell's success in finding a suitable winter home for black-tailed deer could help save more than 600 other wildlife species that live in British Columbia.

Throughout much of B.C., old-growth forests have been reserved to protect deer populations. Bunnell has completed a three-year research project designed to develop silvicultural practices that create winter ranges for black-tailed deer in second-growth forests.

Bunnell said the structural attributes associated with age and old-growth forests have been created without the age. "With the proper spacing, second-growth forests can produce both black-tail deer winter ranges and wood fibre for harvest."

Bunnell said the creation of second-growth winter ranges protects deer populations in watersheds which have little or no old growth remaining. Where significant amounts of old growth still exist, the ability to create second-growth winter ranges allows forest and wildlife managers the flexibility to best meet the resource management needs of wildlife and forestry, he added.

The project was funded by the Natural Sciences and Engineering Research Council, MacMillan Bloedel Ltd., Canadian Forest Products Ltd. and the provincial ministries of Environment and Forests.

Bunnell's challenge now is to move ahead following the success of this project and develop a master plan that meets the needs of more than 630 other terrestrial vertebrates in B.C.

"British Columbia is incredibly diverse," said Bunnell. "You've got all these large prey species running around, like stone sheep, bison, caribou, and white-tailed deer. If complex predator-prey systems are going to survive anywhere, it's in B.C., where the ecological systems are still intact."

Bunnell said if these systems are to remain in place while resources continue to be extracted, then efforts will have to be made to work with nature, as was the case with the deer. However, he added, the solutions to these problems must be found quickly.

"Overall, it took more than 20 years at a cost of about $6 million to demonstrate that second-growth forests could be suitable for black-tailed deer. We don't have time to look at each species."

Bunnell feels the key is to design an approach to research that moves along quickly, while maintaining credibility with the people who must ultimately buy into these proposed solutions. He admits this may be easier said than done.

"People thought we were crazy when we told them that black-tailed deer didn't need old-growth forests to survive. Although we've been able to understand how the pieces fit together, there is still a lot of work to be done if these principles are to be applied on a larger scale."

Classified

Classified advertising can be purchased from Community Relations. Phone 822-6163. Ads placed by faculty, staff and students cost $12.84 for 7 lines/issue ($.81 for each additional word). Off-campus advertisers are charged $14.98 for 7 lines/issue ($.86 for each additional word). (All prices include G.S.T.) Tuesday, October 22 at noon is the deadline for the next issue of UBC Reports which appears on Thursday, October 31. Deadline for the following edition on November 14 is noon Monday, November 4. All ads must be paid in advance in cash, by cheque or internal requisition.

For Sale

OCTOBER SALE: of mailable (meaning lightweight) gifts at whsle. prices. B.C. designs; on silk ties, composer t's, kitchen linens, scarves and small pottery pieces. Jewellery by Edibaubles. FESTIVE FABRICS, 3210 Dunbar at 16th. 11-3 Tel. 736-1016

Services

NEW DAYCARE: UBC has a new daycare centre opening October 1, 1991. If you need quality licenced care for your child aged three to five please come to 5590 Osoyoos Cres. to apply or call 822-5343 for further information.

Miscellaneous

DO IT RIGHT! Statistical and methodological consultation; data analysis; data base management; sampling techniques; questionnaire design, development, and administration. Over 15 years of research and consulting experience in the social sciences and related fields. 689-7164.

FOR RENT: Sabbatical? Building? Long Term? View home just off campus, 3 min. walk to beach. Ideal family +/or entertainment home - wonderful kitchen, decks, 3 br. up, garden level accom. down. Avail. mid-Nov/Dec. 1. For more details, leave message for Andrea at 263-2521.

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Test probes personality of criminals

Continued from Page 1

likely to return to crime after being released.

"It's not good enough for clinicians to say it's their gut feeling that so-and-so is a psychopath," said Hare, whose research in the field spans 25 years. "The criteria for diagnosis and procedures followed in making it should be explicit and available for others to evaluate."

The diagnostic "bibles" currently used by many clinicians are the third edition of the Diagnostic and Statistical Manual of Mental Disorders (DSM-III), published in 1980, and its recent revision (DSM-III-R), published in 1987. The American Psychiatric Association is presently considering incorporating Hare's checklist into the DSM-IV, which is due out in 1993.

Prior to the DSM-III, Hare said psychopathy was diagnosed in terms of a specific cluster of personality traits and behaviors. However, the DSM-III radically changed the diagnostic criteria; personality traits were all but eliminated and psychopathy was labelled antisocial personality disorder (APD).

But according to Hare, APD and psychopathy are not the same.

"A person who kills as the result of intense emotional upheaval or extreme provocation is quite different from a cold-blooded killer," he said. "Psychopaths don't have emotional hang-ups. They're basically predators who view other people as objects to be used and manipulated."

Hare said APD has limited relevance to psychopathy because by focusing on a person's history of social deviance and criminality, it ignores the underlying interpersonal features central to the illness.

A survey done last year by the Correctional Service of Canada found that as many as 80 per cent of criminals in Canadian jails meet the criteria for APD. However, most of these individuals are not psychopaths in the traditional sense.

A PCL-R assessment, taking between two and four hours, consists of a semi-structured interview and painstaking cross-check of personal and criminal histories. The clinician or researcher then rates the individual on 20 items describing personality traits and behaviors relevant to psychopathy.

> "Psychopaths don't have emotional hang-ups. They're basically predators who view other people as objects to be used and manipulated."

The result is a score representing the extent to which a subject matches the "prototypical" psychopath. A categorical diagnosis can also be given using a cutoff score provided in the PCL-R manual.

Hare said about 20 per cent of prison inmates would rate a psychopathic diagnosis using PCL-R criteria, less than one-third of the percentage who would receive a diagnosis of APD.

The success of the PCL-R, and problems with the APD, have led the American Psychiatric Association to set up one-year field trials comparing four sets of diagnostic criteria. One set consists of 10 items derived from the PCL-R. Hare directs one of the trials in B.C. and hopes these items, which measure both personality and deviant behaviors, will be incorporated into the DSM-IV.

Psychiatric hospitals for criminals in California haven't waited for the APA's official endorsement. Following the murder of a hospital employee by a psychopathic patient last year, the PCL-R is now routinely used in making decisions regarding a patient's security clearance. A PCL-R diagnosis of psychopathy, plus evidence of past violent behavior, triggers an administrative review before a patient can be moved to a lower security level.

Some jurisdictions use the checklist to decide whether an inmate should be in prison or a forensic psychiatric hospital.

"The rationale is that psychopaths are legally and psychiatrically sane," said Hare. "They see nothing wrong with themselves, they manipulate everyone and will eventually take over and run a hospital if given the chance."

Hare's checklist may also have implications for death sentencing.

California courts have determined that a diagnosis of psychopathy is an aggravating, as opposed to mitigating, factor in determining whether a convicted murderer gets the death penalty. Therefore, those diagnosed with a psychopathy/antisocial personality disorder are more likely to be sentenced to death for first-degree murder than are those without the diagnosis.

There is now debate on whether some of the more than 300 prisoners on death row in California, previously assessed as APD, should be re-assessed using the PCL, a more valid measure of psychopathy.

Hare

Hare himself is not in favor of life and death decisions being based on clinical diagnoses. "If they are to be used, then at the very least we must ensure these diagnoses are scientifically sound," he said.

Clinicians and researchers routinely call Hare's office to discuss potential new uses for the PCL-R.

One caller asked if the professor would complete an assessment of a defendant in a recent Wall Street insider-trading scandal. The caller thought that if the individual was diagnosed as a psychopath, it might help to discredit his testimony about another defendant in the case.

Another case involved five people who faced the death penalty in a mid-western state for killing a man. Hare was asked to do a posthumous PCL-R assessment on the victim. The inquiring lawyer believed the defendants might be spared the death penalty if it could be determined the victim had been a violent psychopath.

Despite its reliability and predictive value, Hare has mixed feelings about what might happen if the PCL-R is incorporated into the DSM-IV. His biggest concern is not knowing whether clinicians stick to the criteria outlined in the PCL-R manual, or cut corners to save time.

As yet, there is no known treatment for psychopathy. Part of the problem is that psychopaths don't suffer from the sort of personal or subjective distress that prompts others to seek treatment.

Recent evidence has actually shown that many psychopaths who have undergone group therapy programs in prison have simply become better psychopaths. Rather than learning more about themselves, they learn more about how to exploit the weakness of others.

Nonetheless, Hare has been commissioned by the federal government to examine the possibility of setting up an experimental program for high-risk violent offenders, including psychopaths.

Hare's report, drafted with the help of five prominent Canadian researchers and 15 international experts, should be completed by the end of the year.

The PCL-R is being released this week by Multi-Health Systems in Toronto. Hare's book, A Deadly Charm, is due out next summer.

Correction

The October 3 issue of UBC Reports contained an erroneous headline. The headline which read "Undergrad enrolment up 11 per cent" should have read "Undergrad applications up 11 per cent."

Faculty, students grow together during study program in France

By ABE HEFTER

Mike Tretheway looks at his students in a different way these days.

Tretheway returned from a six-week study abroad program on the French Riviera this summer with a new perspective on teaching.

"It was an experience quite unlike any available in the traditional classroom setting," said Tretheway, an associate professor in the Faculty of Commerce and Business Administration.

Tretheway and French Professor Nancy Frelick joined 28 Commerce students for a unique study abroad program that, for the first time, combined UBC faculty and students. Tretheway said the experience was an eye-opener that has had an impact on the way he approaches teaching.

"During those six weeks, I had an opportunity to get to know these students as individuals — not simply as commerce students," said Tretheway. "I found living and working with our students to be fascinating and rewarding."

During that time, Tretheway and his students ate together, studied together and just hung around together.

"While in France, we were all equals. The breakdown of traditional teacher-student barriers has resulted in a more enriching classroom dialogue."

There have been tangible academic benefits to the program as well, said Tretheway. Students were given a numerical grade that counted toward their grade point average because UBC students were being taught by UBC faculty.

"Traditional study abroad programs can only offer pass or fail grades," said Tretheway.

A total of 40 students took part in the program, which also featured faculty and students from the University of Toronto. Tretheway hopes to see the program repeated next year, with a beefed-up course offering and space for perhaps another 30 UBC students.

Tretheway admits he's had a difficult time returning to the usual classroom setting. He finds himself thinking a lot about his experience in France.

"The other day, I rented the movie To Catch a Thief, on video, just because it was filmed in Nice," he said.

"The French Riviera is an awesome spectacle, but it's the relationships that I developed which made this such a rewarding experience. I'll remember these individuals for the rest of my life."

Apples celebrated at festival

By GAVIN WILSON

Cox's Orange Pippin, Belle de Boskoop and Howgate Wonder.

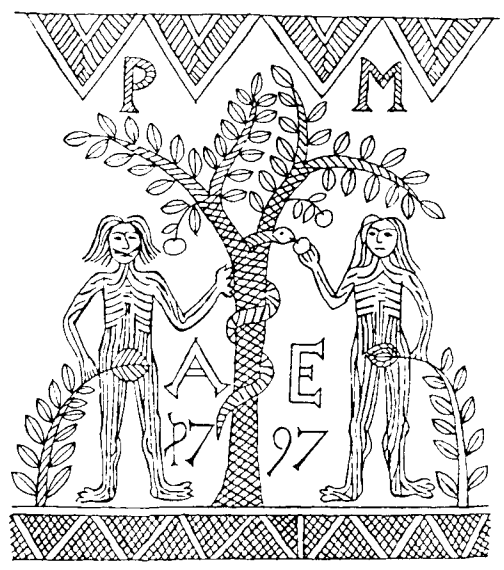
What are they?

Apples, but not the kind you'd find at your local supermarket. To sample these and about 50 other varieties, you'll have to go to the UBC Botanical Garden's Apple Festival, Saturday and Sunday, Oct. 19 and 20.

Although today's consumers, who see perhaps a half dozen different types of apples on the shelves, might find it hard to believe, once there were hundreds of varieties.

But as apple-growing became big business, farmers stuck to varieties that produced the most fruit and could be easily transported. Taste sometimes took a back seat to economics.

"Their flavor is so much better," Margaret Charleton, a volunteer member of the Friends of the Garden and one of the festival organizers, says of the exotic varieties.



A carving from a magistrate's stick, 1797, showing Adam and Eve and the apple tree.

"They're like wine. They each have a distinctive flavor and such beautiful colors."

Some apples have distinguished histories, such as the Gravenstein, which was known to growers in Denmark as early as 1669. Others are as new as the Shamrock, the bright green cross between a Golden Delicious and a McIntosh, recently developed at the Agriculture Canada research station at Summerland.

The rare breeds are making a comeback, however. Speciality growers, especially those who farm organically, are cultivating them, and consumers can buy the apples at places such as Granville Island market.

At the festival, apples grown at the Botanical Garden and by several specialty growers will be on display, along with their histories and samples for tasting. Some will be for sale, as will apple products such as juice, bread and cake. Orders will be taken for those who want to grow dwarf varieties at home.

The Apple Festival will held in the Botanical Garden Reception Centre both days from 11 a.m. to 4:30 p.m.