

INSIDE

3 Pressure point

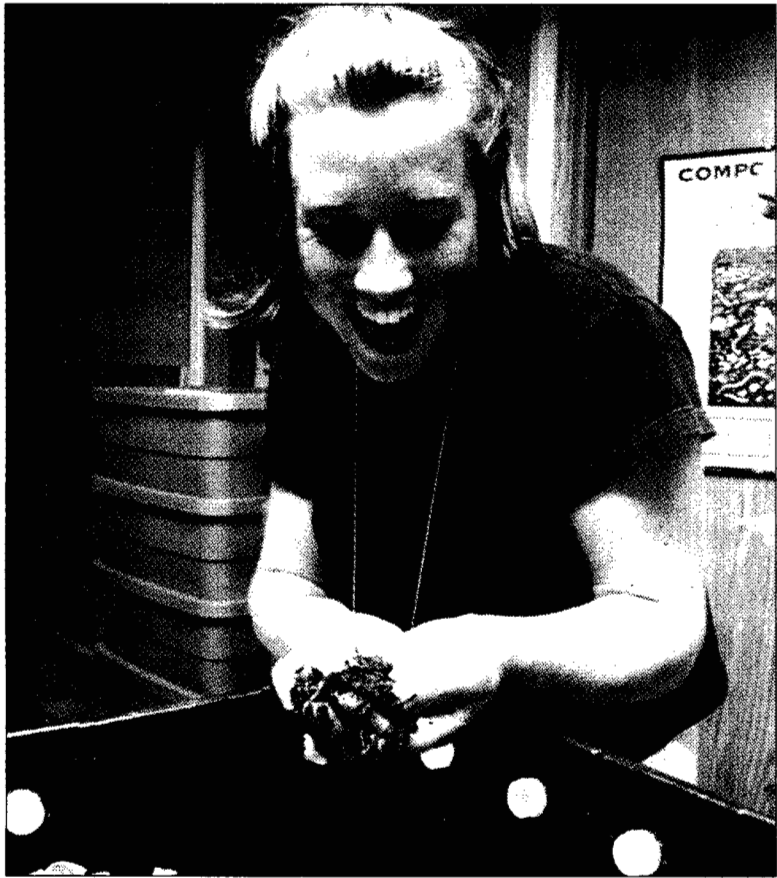
Normal blood pressure may be anything but, says study

8 Justice judgement

B.C. Grade 12 students have words to say on justice

ubc reports

THE UNIVERSITY OF BRITISH COLUMBIA



AS THE WORMS TURN Ondrea Rogers displays a handful of red wigglers during a recent worm composting workshop sponsored by UBC Waste Management. Rogers, a student member of UBC's Natural Food Co-op, helps to lead the popular education and awareness workshops in which participants learn how to build and maintain a worm composting bin. About 500 worms are needed to compost food waste at home or in the office. The next workshop will be held Aug. 17. Call Gillian Allan at (604) 822-9456 for more information. *Martin Dee photo*

\$68 million bonanza sets research record

Leading edge innovation the key to university's funding success, says vice-president, Research

UBC AND ITS AFFILIATED teaching hospitals have gained more than \$68 million in research infrastructure funding—the largest amount awarded to any Canadian institution—from the Canada Foundation for Innovation (CFI) in a recent competition.

"This incredible level of investment by the federal government is an explicit recognition that innovative and interdisciplinary research is the cornerstone of the economic, social and cultural well-being of all Canadians," says UBC President Martha Piper.

UBC and its research partners received funding for 20 projects ranging from the restoration of global fisheries to the working relationship between humans and computers.

Six of the projects, including a new cancer research centre that received \$27.8 million—the largest individual grant given in Canada—are centred at UBC's affiliated hospitals. The facility will be part of the Centre for Integrated Genomics, a joint project of UBC and the B.C. Cancer Agency.

McGill University, with 23 projects funded, was the only institution in Canada to receive a higher number of grants than UBC and its affiliated hospitals. The University of Toronto gained funding for 11 projects.

Attracting increased funding from all sources and enhancing research infrastructure is a key strategy in UBC's goal to be the leading research university in Canada, as outlined in *Trek 2000*, the university's vision statement.

"We worked with all our researchers to ensure that proposals were co-ordinated and met with CFI's top priority of supporting leading edge innovative projects," says Indira Samarasekera, vice-president, Research.

The Institute for Computing, Information and Cognitive Systems earned \$8.85 million—the largest grant given to a project on the Point Grey campus.

Principal investigator Rabab Ward says the proposed institute will expand the Centre for Integrated Computer Systems Research, which she directs, to a more inclusive interdisciplinary research facility.

"We want to ensure that as technology evolves, it is human-centred," says Ward. "That means we need to better understand the human experience so that technology communicates knowledge in the context of how we live."

A three-dimensional computer model for speech synthesis and therapy is an example of research at the newly funded institute.

Researchers from areas such as psychology, education, medicine, pharmacology and forestry will be part of the proposed institute. There were 120 investigators named as co-applicants to the CFI grant.

The UBC Network Project which aims to provide research networking communications across campus gained more than \$3 million in funding. Led by Ted Dodds, associate vice-president of Information Technology, the project will also provide high-speed links to research facilities on the hospital campuses.

Other funded UBC projects cover areas such as genetics and bioinformatics, engineering and environment. *See Bonanza, page 2*

Science 101 opens doors

Students and faculty offer university science classes to Downtown Eastside community

by Andy Poon staff writer

FOR MANY STUDENTS and teachers, the summer months mean a well-deserved break away from the classroom.

But 10 UBC graduate students and more than a dozen faculty members have chosen to remain in the classroom as volunteer instructors in Science 101. The pilot program teaches first-year level Science courses to individuals from Vancouver's Downtown Eastside community.

"The goal is to offer people who have traditionally not had access to post-secondary education, barrier-free access to a university-level Science course," says recent UBC Science graduate Jesse Guscott, the Science 101 course co-ordinator.

Modeled after the highly successful Humanities 101 initiative started three years ago by a pair of UBC Arts students, Science 101

provides 19 students with transportation to and from campus, a meal before each class and instruction in disciplines such as geology, physics and chemistry. The pro-

gram, which started May 2 and ends Aug. 13, is the brainchild of Guscott and Science graduate student Tara Ivanochko.

See Science, page 2

UBC now home to 151 members of premier society

A CHEMIST WHO AIMS to develop drugs from marine organisms, an educator who studies the educational value of computers in schools and a philosopher who specializes in the relationships between science and philosophical theory are among the eight UBC faculty members recently elected to the Royal Society of Canada.

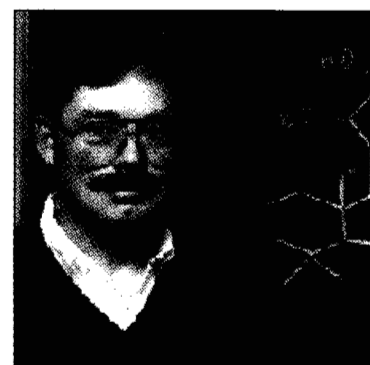
"We are very pleased at this recognition of UBC scholarship," says Indira Samarasekera, vice-president, Research, and a Royal Society fellow.

"The contributions of our faculty continue to build Canada's intel-

lectual strength in both the sciences and humanities."

Chemistry Prof. Raymond Andersen looks at marine and land natural products chemistry. The chemical extracts of marine invertebrates and bacteria are screened for elements that may be used for new anti-cancer drugs or as a source of new antibiotics to combat diseases that have become resistant to existing antibiotic drugs.

John Willinsky, a professor of Education, is interested in the socio-cultural aspects of language, literacy and literature and the use of technology, particularly com-



Chemistry Prof. Raymond Andersen



Philosophy Prof. Catherine Wilson

puters, in teaching. The Pacific Press Professor of Literacy and Technology, Willinsky recently published *Technologies of Knowledge: A Proposal for the Human Sciences*.

The interaction between our interest in creating systems and our knowledge of nature is the focus for Philosophy Prof. Catherine Wilson.

See Royal, page 2

Bonanza

Continued from page 1

ronmental sciences, humanities and education, nutrition, fisheries and advanced materials.

A total of 31 B.C. research projects at universities, hospitals, industry and the Vancouver Aquarium received CFI funding of more than \$74 million—about 20 per cent of the total funds distributed across Canada.

The Technical University of B.C. and the University of Victoria were given funding for four projects and Simon Fraser University earned three grants.

The CFI support represents 40

per cent of required funding. UBC researchers will apply to the provincial government for a matching 40 per cent. The remaining support will come from private sources and industry including the \$50-million donation designated for UBC research in 1998 by alumnus Stewart Blusson.

CFI, an independent corporation established by the federal government in 1997, made a total investment of \$363 million to support 214 infrastructure projects in 59 Canadian universities, colleges, hospitals and not-for-profit research institutions.

A complete listing of projects can be found at the CFI Web site at www.innovation.ca.

Royal

Continued from page 1

She has studied 17th-century metaphysical physics and the early history of the microscope. She is now interested in understanding the implications of sociobiology, or the biological aspects of social behaviour, and psychology for moral theory.

New fellows also include Anthony Barrett, a professor of Classical, Near Eastern and Religious Studies.

In addition to teaching Roman history, Barrett supervises the excavation of a Roman fort near Coventry, England and has written bi-

ographies of Rome's imperial families.

Health-care economist Robert Evans is a faculty member at the UBC Centre for Health Services and Policy Research.

A professor of Economics, he is widely regarded as the single most influential academic in shaping Canadian health-care policy.

Pharmaceutical Sciences Prof. John McNeill studies drugs used to treat cardiovascular disease and diabetes.

He is particularly interested in vanadium, a metal used to strengthen steel, which could be useful in increasing cells' response to insulin.

Physics and Astronomy Prof. Gordon Semenoff's research interests include the superstring theory, quantum field theory, statistical mechanics and elementary particle physics.

Mathematician Gordon Slade studies probabilities which are the theoretical basis for statistics.

Slade's research has applications in areas such as finance, theoretical computer science and telecommunications.

A total of 60 new fellows from across Canada were elected to the society, an honour regarded as the country's premier academic achievement.

UBC now has 151 Royal Society fellows.

The society, which was founded 118 years ago, promotes and develops learning and research in the arts and sciences.

It will welcome this year's new fellows at a ceremony to take place in Ottawa Nov. 17.

ubc reports

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Science 101

Continued from page 1

"Tara got the ball rolling in the spring and secured the funding while I have been mostly hands-on this summer," says Guscott, a former student representative on the UBC Board of Governors.

Funding for the program came from the Alma Mater Society's Innovative Projects Fund, the President's Office and the Society for Canadian Women in Science and Technology.

Ivanochko started soliciting volunteer instructors for the program in March by e-mailing professors and graduate students in the Faculty of Science.

That's how volunteer instructor Charlie Bank became involved. Bank, a PhD candidate in the Dept. of Earth and Ocean Sciences, was impressed by the pair's proposed multi-disciplinary approach to teaching science to disadvantaged students. He volunteered to help by teaching two of the 30 classes.

He has found it a rewarding and highly interactive teaching experience.

"What you notice is that the students have more experience," he says. "It is not a lecture so much as a guided discussion that I give based on the students' questions."

Fellow instructor Jaymie Matthews, an assistant professor of Physics and Astronomy, agrees.

"For a group of students that are

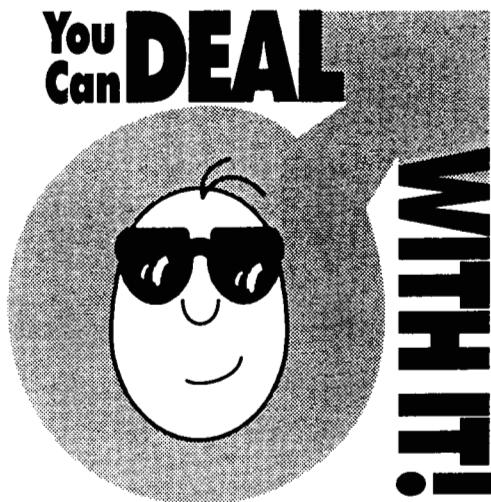
basically getting their academic sea legs back, they are the type of students that we look for—people who are not afraid to ask questions and that have a real thirst for knowledge."

Guscott says that the majority of students in the current class are in their late-30s to late-40s and that the level of enthusiasm for the material taught in class has been very high.

"The topics that the students learn in the classes are the same topics that we covered in my first year of university science," he says. "The major difference is that they don't have exams."

While Science 101 is student-administered, Guscott says they often rely on the advice of the Humanities 101 steering committee, most notably Clint Burnham, Humanities 101's academic co-ordinator.

Questions About Prostate Cancer?



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From herbal medicines to medications for brittle bones, pharmacists Annie Dufour (left) and Rola Khalil-Priatel answer the public's questions about what's in their medicine cabinet. The pair are part of a popular information service operated from the Faculty of Pharmaceutical Sciences which fields more than 4,000 enquiries annually. *Hilary Thomson photo*

Service dispenses drug answers with a SMILE

Service responds to public's need to know

by Hilary Thomson staff writer

PILLS, PATCHES, CAPSULES, sprays, herbs, ointments, syrups and vitamins —drugstore shelves are full of medications that promise health improvements but how do we know what is effective and what is not?

Rola Khalil-Priatel says the answer is often just a phone call away.

The UBC Pharmaceutical Sciences alumna co-ordinates BC SMILE, the Service for Medication Information Learning and Education in B.C. It is a medication information program staffed by three part-time and three casual licensed pharmacists and operated from UBC's Faculty of Pharmaceutical Sciences.

The service supplements consultation with community pharmacists who may not have time to research and answer complicated queries.

"Most of our callers are interested in getting credible unbiased information about the latest therapies for the most common chronic illnesses," says Khalil-Priatel. "We also get many calls about new natural products that are either in the news or being telemarketed right now."

Questions about herbal medicines, hormone replacement therapy and medications for osteoporosis, a bone-thinning disease,

form the majority of the approximately 4,000 enquiries received annually. Other issues include side effects of medications, interactions between medications and information on herbs and vitamins.

Callers range from nursing mothers to elderly persons asking about herbs for memory loss to people wondering about the safety of everything from Ritalin to aspartame.

"Our callers are very interested in taking care of their own health," says Khalil-Priatel. "They are looking for best evidence data, even for herbal treatments."

Staff keep up with the volume of drug information by taking 20 credits of Continuing Pharmacy education annually, maintaining their own current practices and reading weekly updates in pharmaceutical journals. All responses and references are documented on confidential forms.

Formerly focused on the needs of seniors, BC SMILE officially changed its mandate this spring to better reflect the range of service and projects within the program.

In addition to answering telephone queries from the public, disease prevention and support groups, law enforcement officers and the media, the service also offers weekly presentations to the

public and to professional societies. Last year BC SMILE pharmacists spoke to approximately 2,000 people in the Lower Mainland and other areas.

Community pharmacy residents complete practicums at BC SMILE and staff—all but one of whom are UBC Pharmaceutical Sciences graduates—also supervise directed studies students. Five UBC student volunteers and one student employee work with the service doing research, retrieving articles, designing Web information and promotional materials and attending community health fairs.

The BC SMILE office has also developed a fourth-year Pharmaceutical Sciences elective course and practicum to help students develop the competencies necessary to provide comprehensive drug information to the general public and other health professionals.

Begun in 1995, BC SMILE is supported by the Faculty of Pharmaceutical Sciences, the B.C. College of Pharmacists, the B.C. Ministry of Health, pharmaceutical manufacturers and others.

MORE INFORMATION

Visit the Web site at www.ubcpharmacy.org/SMILE. Call (604) 822-1330 or toll-free in B.C. at 1-800-668-6233 (Monday to Friday, 10 a.m. to 4 p.m. or leave a voice mail message).

Test shakes house to its foundations

Prof. Carlos Ventura warns most B.C. houses are unlikely to fare well

THERE WAS A "WHOLE LOTTA shakin' goin' on" recently as UBC earthquake experts subjected a full-scale, two-storey house to a 6.7-magnitude quake.

The engineered home sustained relatively little visible damage during the 80-second earthquake simulation, which took place on the largest shake table in North America, located in the Civil Engineering Dept.'s Structural Engineering Laboratory.

The test was modeled on the same shaking that was experienced at locations in the Los Angeles area during the 1994 Northridge quake. It marked the first time that anyone has conducted earthquake simulation studies on a full-scale house in Canada.

"The ability to use a full-scale house is important because it provides us with a better idea of how a residential home will behave under severe shaking. It takes us beyond what we can learn through a computer simulation," says Civil Engineering Prof. Carlos Ventura, principal researcher for the project.

"The results will help us improve the design of wood construction homes," he says.

Ventura, who is also director of UBC's Earthquake Engineering Research Facility, is concerned that current building codes in Canada exempt small buildings from any seismic design requirements. He warns that a large number of homes in the Lower Mainland and the province would likely fare poorly in the event of a major quake.

Through the shake tests on full-scale houses, Ventura hopes to highlight how a typical B.C.-construction home would underperform an engineered home in an earthquake.

Unlike homes typically constructed in B.C., an engineered home is designed by a structural engineer or architect to ensure that all loads are properly and safely transferred to the foundation.

The test will be repeated on a house of typical B.C. construction later this fall. Ventura and his research team will compare the results to make recommendations to improve earthquake safety for engineered homes in B.C.

The shake tests are part of a larger research project involving TBG Seismic Consultants of Victoria, B.C., and Simpson Strong-Tie of California, as well as Forest Renewal B.C. and the Natural Sciences and Engineering Research Council of Canada.

"Normal" blood pressure suspect, researcher finds

Psychology Prof. Wolfgang Linden warns of risk

by Bruce Mason staff writer

BETWEEN ONE-THIRD and one-half of all blood pressure diagnoses made in physicians' offices may be incorrect, according to a study by UBC Psychology Prof. Wolfgang Linden and university colleagues.

It is well known that some people experience a rise in blood pressure in their doctor's office and may be incorrectly diagnosed with hypertension. However, the UBC study also suggests that some patients with high blood pressure appear to have normal blood pressure at a medical office.

The phenomenon, called "white coat normotension," or seemingly normal blood pressure, poses a significant risk to patients, says Linden.

"Many people who think they have normal blood pressure may actually have hypertension," he says.

Patients with false normal blood pressure are very difficult to identify in the physician's office, he adds. Linden and his team found

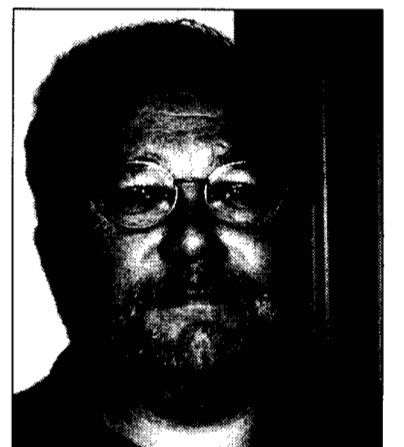
that such patients were more likely to be male, older, former smokers and consume more alcohol.

For the study, the blood pressure of 319 apparently healthy people was measured five times in the office. The subjects also wore a device to measure blood pressure every 20 minutes at home and at work for eight to 12 hours.

For both systolic and diastolic blood pressures—the first and second number in a blood pressure reading—wide disparities were often found. Based on systolic pressure, 23 per cent showed normal pressure in the office but high blood pressure outside the office.

"Diagnoses falling in the borderline range are particularly inaccurate," Linden reports.

The findings suggest that office blood pressure readings were only accurate at diagnosing hypertension, or its absence, if the readings were at least 20 points above or below the recommended cut-off point.



Researcher Wolfgang Linden

The findings are alarming because even borderline high blood pressure can be dangerous.

Linden suggests that patients could arrive early for a medical appointment and be hooked up to an automatic blood pressure-taking device. Another approach would have patients take their own blood pressure at home.

"If the exclusive use of office blood pressure measurement continues, critical diagnostic errors will be unavoidable," he concludes.

SUNDAY, AUG. 13

Piano Recital

Libby Yu. Green College Graham House at 8pm. Call 822-8660.

MONDAY, AUG. 14

Theatre

Sunday Dinner. Julie Lees. Frederic Wood Theatre at 7pm. Continues to Aug. 16. \$8. Call 822-9099.

Theatre

Grace. Michael MacLennan. Frederic Wood Theatre at 8:30pm. Continues to Aug. 16. \$8. Call 822-9099.

THURSDAY, AUG. 17

Theatre

On Track. Rishi Trikha. Frederic Wood Theatre at 7pm. \$8. Continues to Aug. 19. Call 822-9099.

Theatre

In Their Nightgowns Dancing. Michael Armstrong. Frederic Wood Theatre at 8:30pm. Continues to Aug. 19. \$8. Call 822-9099.

New Faculty Orientation

Walking Tour And Reception. David Lam basement seminar room from 11:30am-5:30pm. To register, visit www.cstudies.ubc.ca/facdev/. Call 822-6827.

THURSDAY, SEPT. 7

Peter Wall Institute Lecture Series

Exposing The Sunda Shelf: Climatic Consequences Of Eustatic Sea Level Changes. Andrew Bush, Earth and Ocean Sciences, U of Alberta. University Centre 307 at 3:30pm. Call 822-4782.

FRIDAY, SEPT. 8

Medical Lecture

Air Pollution And Health. Dr. David Bates, professor emeritus, Health Care and Epidemiology, Mather 253 from 9-10am. Call 822-2772.

Peter Wall Institute Weekly Colloquium

The Architecture Of Reasoning About Factual Issues In Legal Proceedings. Peter Tillers, Yeshiva U. University Centre 307 at 12noon. Call 822-4394.

Food Services Summer Hours

Summer hours continue to Aug. 28. Visit www.foodserv.ubc.ca or call 822-3663 (UBC-FOOD).

UBC Campus Tours

Summer walking tours of the campus are available Monday to Friday from 8:30am-4:30pm. For large groups or special request tours, you may also book ahead by calling between 8:30am-4:30pm 822-8687 (UBC TOUR).

Cognition And Emotion Study

Seeking participants to explore the cognitive effects of emotion. Earn \$5 by completing a questionnaire. Some participants will be invited to earn \$25 more in two 60-90 minute sessions. Call 822-2022.

Garden Hours Of Operation

The Nitobe Memorial Garden, UBC Botanical Garden, and the Shop in the Garden are open to Oct. from 10am-6pm daily (including weekends). Inquiries for the gardens call 822-9666 and for the Shop in the Garden 822-4529.

you have ever had sex with someone when you didn't want to, because the other person continued the event when you said no, forced or threatened to force you, or because you were given alcohol or drugs, and you would be interested in helping us with our research, please call 822-9028. Confidentiality and privacy protected.

Museum Of**Anthropology Exhibition**

The Art of Norval Morrisseau. Continues to Sept. 30. Attributed To Edenshaw: Identifying The Hand Of The Artist. Continues to December. Three Case Studies Northwest Coast Art. Continues to Sept. 10. Raven's Reprise: Contemporary Works by First Nations Artists. Continues to Jan. 31 2001. Conversations: The Tecson Philippine Collection. Continues to Feb. 2001. Web site: www.moa.ubc.ca or call 822-5087 or 822-5950.

Child Behaviour Research

How do parents see challenging child behaviours? We are asking parents of 7-14 year olds to tell us by completing an anonymous, 30-minute questionnaire. You can receive the results. Please call Assoc. Prof. Johnston's lab, 822-9037.

Traumatic Stress Clinic

Psychologists conducting research at the Traumatic Stress Clinic at UBC Psychiatry are offering free treatment to people suffering from Post-Traumatic Stress Disorder (PTSD). PTSD is caused by events such as physical or sexual assault, and motor vehicle accidents. Call the Traumatic Stress Clinic at 822-8040.

Research Study

We are seeking healthy eight- to 12-year-olds and their mothers to take part in a psychology study to find out more about how children learn about hurts and pains. For more information, call Prof. Craig's lab 822-5280.

AMS Rentsline

Helping students find housing since 1993, the AMS Rentsline is UBC's off-campus housing registry. This service gives students access to hundreds of rental listings, and landlords access to thousands of students looking for housing. You can call the Rentsline from any touchtone phone 24 hours a day, 365 days a year. Call 714-4848.

Faculty Women's Club

The Faculty Women's Club brings together women connected to the university either through their work or that of their spouses, for social activities and lectures. The main purpose of the Faculty Women's Club is to raise funds for student scholarships. There are 19 different interest groups within the club, ranging from art appreciation and bridge to hiking. Do come and join us! Call Barbara Tait, president 224-0938; Gwyneth Westwick, membership 263-6612.

Twin Research

Are you, or do you know a female adult twin? We are studying the relationship types of fraternal and identical female twins. If you can help by

completing some questionnaires and being interviewed about relationships, please e-mail: tmacbeth@cortex.psych.ubc.ca or call Tannis MacBeth, Psychology 822-4826.

Research Study

Hard-of-hearing university students are invited to discuss their post-secondary experiences for a PhD study. Involves interviews and the option of jotting down thoughts twice weekly over a three-week period. Honorarium to be provided. Contact Ruth Warick, graduate student, in the Dept. of Educational Services, phone/fax 224-4198 or e-mail rwarick@interchange.ubc.ca.

UBC Utilities Advisory Notice

UBC Utilities regularly performs maintenance work on underground piping and electrical systems. Work sites are always blocked off with appropriate signs and barriers, however sometimes unauthorized individuals remove these signs and barriers. Please approach work sites cautiously and respect signs and/or work crew instructions to avoid potential harm. If you have any questions concerning a UBC Utilities work site, please call 822-9445.

Parents With Babies

Have you ever wondered how babies learn to talk? Help us find out! We are looking for parents with babies between four to 21 months of age, including babies raised in a bilingual home, to participate in language development studies. If you are interested in bringing your baby for a one-hour visit, please call Prof. Janet Werker's Infant Studies Centre, Psychology, 822-6408 (ask for Kate).

Parents With Toddlers

Did you know your child is a word-learning expert? Help us learn how children come to be so skilled at learning new words. We are looking for children (two- to four-year-olds) and their parent(s) to participate in language studies. If you are interested in bringing your child for a 45-minute visit, please call Asst. Prof. Geoffrey Hall's Language Development Centre, Psychology, 822-9294 (ask for Kelley).

Statistical Consulting And Research Lab (SCARL)

SCARL offers statistical advice and long or short-term assistance to researchers. Resources include expertise in many areas of statistical methodology and a variety of statistical software. Web site: www.stat.ubc.ca/scarl, e-mail: scarl@stat.ubc.ca or call 822-4037.

UBC Fencing Club

UBC Fencing Club meets every Monday and Thursday from 7-9pm in the Osborne Gym. Learn decision-making, poise and control. Newcomers welcome. Drop-in fee. Leave message at 878-7060.

Chan Centre Tours

Free tours are held every Thursday. Participants are asked to meet in the Chan Centre main lobby at 1pm. Special group tours can be booked through www.chancentre.com or at 822-1815.

calendar

AUGUST 13 THROUGH SEPTEMBER 9

Chan Centre Concert

Vancouver Symphony Orchestra. Chan Centre at 8pm. Tickets at Ticketmaster, www.ticketmaster.ca. Call 280-3311.

SATURDAY, AUG. 19

Alternative Bagpipe Seminar

Northumbrian Small Pipes And Scottish Lowland Pipes. Dick Hensold, Alan Walters and Phil White. Music Recital Hall at 9am. Continues Aug. 20. E-mail athra@interchange.ubc.ca. Call Rob 617-9575.

Concert

Northumbrian, Scottish Lowland and Irish Uilleann Pipes. Music Recital Hall at 8pm. \$10. E-mail athra@interchange.ubc.ca. Call Rob 617-9575.

MONDAY, AUG. 21

Seminar

The Health Impact Of The Collapse of the Soviet Union. Dr. Martin McKee, European Centre on Health of Societies in Transition. IRC 414 at 12 noon. Call 822-4969.

TUESDAY, AUG. 22

New Faculty Information Exchange

David Lam basement seminar room from 11am-2:30pm. Lunch. To register, visit www.cstudies.ubc.ca/facdev/. Call 822-6827.

SATURDAY, AUG. 26

Chan Centre Concert

Gagaku Performance. Chan Centre at 8pm. Tickets at Ticketmaster, www.ticketmaster.ca. Call 280-3311.

THURSDAY, AUG. 31

Graduate Student Orientation

Various speakers. Graduate Student Centre Ballroom 9am-1pm. Lunch provided. Call 822-2848.

NOTICES

Participants Needed

Problems with remembering or smelling? Men and women 45-plus years old are required for a UBC study on age-related hormone changes and their impact on sensory and cognitive abilities. Earn \$50. Call Kevin at 822-2140.

Obsessive Compulsive Disorder

Psychologists conducting research at the Traumatic Stress Clinic at UBC Psychiatry are offering free treatment by telephone to people suffering from Obsessive Compulsive Disorder (OCD). OCD is a disorder involving recurrent obsessions or compulsions that cause the individual significant distress. Call Angela Yeh, Traumatic Stress Clinic, at 822-8040.

Speak Your Mind

CUPE 2950 is seeking UBC employees to participate in a two-hour focus group in Sept./Oct. You must be willing to speak your mind openly. Confidentiality ensured. An honorarium will be paid. If you are interested, please call 822-1494 or fax 822-1481.

Belkin Art Gallery Exhibition

Contemporary Art Exhibition: The Wilfred and Sheila Watson Collection; Twenty Questions: Recent Acquisitions to the Drawing and Painting Collections. Morris and Helen Belkin Art Gallery from Tues.-Fri. 10am-5pm; Sat.-Sun. 12noon-5pm. Closed Mon. and statutory holidays. Continues to Sept. 3. Web site: www.belkin-gallery.ubc.ca, e-mail nsawada@interchange.ubc.ca or call Naomi Sawada, 822-2759.

UBC Birdwalks

Anyone who is interested can meet at the flagpole on Thursdays at 12:30pm. Bring books and binoculars if you have them. E-mail: abbott@mail.cstudies.ubc.ca or call 822-9149.

Sage Bistro

To the faculty, students, administration and admirers of the University of British Columbia we present Sage Bistro at the University Centre. Truly food for thought...Sage is open Monday through Friday from 11am-2pm. Tapas will be served on the patio to Oct. 15 from the hours of 3:30-8pm. Our luncheon menu changes weekly and features a wide selection of wines by the quarter litre and glass. For reservations please call 822-1500.

Premenstrual Asthma Study

UBC/St. Paul's Hospital researchers are seeking females with asthma and regular menstrual cycles for a study of estrogen's effects on asthma symptoms and lung function. Must be 18-50 years of age and NOT taking birth control pills. Honorarium and free peak flow meter provided. If interested, please call 875-2886.

Parkinson's Research

A research team from UBC is asking for the assistance of people with Parkinson's to participate in research. This research is aimed at understanding how Parkinson's may affect complex activities such as managing multiple tasks. Participation involves performing fairly simple tasks, some of which involve responding verbally to computer screen displays. The general goal of this work is to develop effective methods of coping with Parkinson's. If you are a healthy person 50 years or older, we are also in need of several people to participate in this study as part of a non-Parkinson's comparison group. If you would like to participate or require more information, please contact Todd Woodward, Psychology 822-3227.

Sexual Assault Research

The Anxiety and Fear Laboratory in the Dept. of Psychology requires female volunteers who have experienced unwanted sexual activity, to participate in a research project. If

CALENDAR POLICY AND DEADLINES

The *UBC Reports* Calendar lists university-related or university-sponsored events on campus and off campus within the Lower Mainland. Calendar items must be submitted on forms available from the UBC Public Affairs Office, 310 - 6251 Cecil Green Park Road, Vancouver BC, V6T 1Z1. Phone: UBC-info (822-4636). Fax: 822-2684. An electronic form is available at www.publicaffairs.ubc.ca. Please limit to 35 words. Submissions for the Calendar's Notices section may be limited due to space. Deadline for the Sept. 7 issue of *UBC Reports*—which covers the period Sept. 10 to Sept. 23—is noon, Aug. 28.



THE UNIVERSITY OF BRITISH COLUMBIA

Public Affairs Office

Annual Communications Report 1999/2000

Highlights Summary

Over the past year, UBC's Public Affairs office has expanded and enhanced its roster of communications initiatives aimed at specific audiences. A major emphasis has also been placed on improving the university's Web presence, which is reflected in the following communications highlights:

- Statistics show an increase in the use of the Public Affairs Web site, where all communications vehicles are housed for the public. The total number of files transmitted from April 1999 to March 2000 was 857,152, an increase of 72,076 from the previous year.
- The UBC home page was redesigned and restructured last fall by Public Affairs and IT Services to make the site easier to navigate for all users. It now profiles a photograph and key message on the home page, and is structured into six categories: welcome to UBC, prospective students, current students, UBC alumni, faculty and staff, and news and events.
- January 2000 marked the launch of a new redesigned version of *UBC Reports*. The design of the publication was updated to give it a more modern image and it is now printed on a crisp white paper stock. The changes implemented reflected the feedback obtained from a readership survey conducted in 1999.
- In February 2000, Public Affairs was awarded a bronze medal from the Council for Advancement and Support of Education for UBC's *Annual Report 1998/99*. The publication highlighted the achievements of UBC's students, faculty, staff and alumni, as well as future goals.
- In April 2000 a Web strategist was hired to manage UBC's top-level Web presence (www.ubc.ca) and to develop a strategic plan and supporting creative direction. This important communications vehicle will now be housed in Public Affairs, and the Web strategist will work to create consistency and synergy throughout the UBC Web site by developing guidelines and templates for other university departments and faculties and providing consultation as needed.
- In June 2000, UBC's *Annual Report* received the Prix d'Excellence Gold Medal from the Canadian Council for the Advancement of Education for Best Institutional Annual Report, as well as an Award of Merit from the International Association of Business Communicators BC Chapter Blue Wave Awards.
- The Public Affairs Office provided direction and assistance in revamping the Congregation ceremonies booklet into a memento for graduates. A graphic designer was hired to update the publication cover and develop a template that will be used for years to come. The new memento booklet now includes photographs and a number of student-oriented articles.

This annual communications report will be disseminated to the campus community for comment and feedback through publication in *UBC Reports*. The third campus annual general meeting will be held later this fall and an on-line and printed annual report will report our activities to the wider community.

Public Affairs Office overview

UBC's Public Affairs Office, housed within the External Affairs Division, is responsible for communicating UBC's mission, key messages, and values to both its internal community of students, faculty, and staff, and to the broader external community which comprises multiple and diverse audiences.

Public Affairs co-ordinates programs and messages in concert with other units of the External Affairs Division, UBC administration, faculties and departments, and service units.

Programs are built on a layer of communications policies and practices, including the *Policy on Communications*, approved by the Board of Governors in May 1994, which formally acknowledges UBC's responsibility to keep its many communities informed and ensure two-way dialogue.

Programs are also built on the *UBC Communications Plan* that was developed with widespread campus input and designed to respond to the ever-changing environment in which UBC operates.

The plan's five emphases are: *critical issues management, public information centre, internal communication, two-way communication and external communication*. These emphases form the basis of Public Affairs' workplans. The communications plan will be revisited and revised in 1999/2000.

This office provides a comprehensive communications program directed toward the campus community, the general public, government, the business community and the media. The primary goals of the office are:

- to keep the campus community informed about developments in university policies, its people, research, teaching, and events;

- to increase public understanding and support for UBC;
- to provide avenues for the on- and off-campus communities to communicate with the university;
- to encourage public use of campus facilities and attractions; and
- to promote interaction between the university and the private and public sectors.

The office provides the news media with accurate and timely information about research activities and other matters of public interest, placing hundreds of stories each year, and produces a wide range of communications vehicles, including the campus newspaper *UBC Reports*, media releases, media monitoring service, an Annual General Meeting, *Annual Report, Report to the Community, Facts and Figures*, specialized brochures, World Wide Web materials and fund-raising communications materials.

Staff also provide public and media relations counselling and other communications services to UBC academic and administrative units, as well as advice and strategic direction for critical issues management.

Looking ahead to 2000/2001

UBC Public Affairs Office will continue to build on the university's relationships with the community. The following initiatives are planned for the upcoming year:

- Complete the next phase of the redesign of UBC's university-wide Web site and develop a series of templates for faculties and departments.
- Hire a new Director of Public Affairs.
- Organize a series of initiatives and speaking opportunities aimed at specific audiences in place of holding an Annual General Meeting downtown. This will include organizing a luncheon at the Vancouver Board of Trade.
- Organize a campus Annual General Meeting that is customized and geared for an internal audience.
- Expand the distribution of the annual report by including it as an insertion in *The Vancouver Sun*, *The Alumni Chronicle* and possibly other community newspapers.
- Develop an on-line version of the annual report that is designed specifically for the Internet that will serve as a companion piece to the printed annual report.
- Develop a multimedia presentation that tells the story of UBC by combining key messages, photographs, video clips, and sound. It will be possible to customize this Powerpoint presentation so that it can be shown to a range of audiences, including alumni, prospective students, donors and government representatives.
- Deliver media releases by e-mail to key service subscribers. At the same time media releases are posted on the Web, they will be e-mailed to subscribers.

Communications services

The Public Affairs Office offers a range of communications services to campus, including:

- *UBC Reports* — tabloid newspaper published 20 times annually; circulation 12,000
- Phone contact—1,300 calls per month to UBC-INFO
- Placement of UBC's people and stories — hundreds annually in TV, radio and print media, both in the Lower Mainland and across Canada
- News conferences
- Media monitoring service — 200 packages annually, more than 1,000 items
- *Facts and Figures* university brochure
- World Wide Web site
- Public reportation/public process
- *Annual Report*, Annual General Meeting, *Report to the Community*
- President's tours
- Contributions to faculty/departmental newsletters
- Speakers Bureau
- *Alumni Chronicle* contributions
- Media training services and communications consultation
- UBC experts contact service
- Brochures and other publications
- Editing services
- Donor publications
- Personal contact/one-on-one meetings
- Video productions

DIGEST

Future policy makers offered opportunity

Students studying and researching Canadian policy issues and development are encouraged to apply for the newly created Canadian Policy Research Awards Graduate Prizes.

Up to 10 winners will participate in a national policy seminar in Ottawa with some of this country's most distinguished researchers and leading policy-makers Nov. 24-29. Prize recipients will also be sponsored to attend the third annual National Policy Research Conference, "Canada in a Global Society," to be held in Ottawa Nov. 30-Dec. 1.

Prize winners will have their travel, accommodation and living expenses covered for the seminar and conference.

Deadline for nominations is Sept. 15.

For more information and to apply for the prizes, visit www.policyresearch.gc.ca or call (613) 947-1956.

The prizes are sponsored by the Government of Canada's Policy Research Secretariat, the Social Sci-

ences and Humanities Research Council, the Canadian Institute of Health Research and the Natural Sciences and Engineering Research Council.

Continuing Studies is top of the class

UBC's Continuing Studies was honoured with two awards at a recent meeting of the Canadian Association of University Continuing Education (CAUCE).

Marketing Services was presented with a CAUCE Marketing Award of Excellence for a highly successful calendar promoting computer and technology programs.

The Multimedia Program for Chilean Educators earned a CAUCE Program Award of Excellence.

Taught through interpreters, the intensive eight-week program prepares 25 non-English-speaking educators with the knowledge and skills to integrate new technology.

For more information about UBC Continuing Studies programs, call (604) 822-1444 or visit www.cstudies.ubc.ca.

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Private rooms, located on campus, avail. for visitors attending UBC on academic business. Private bath, double beds, telephone, TV, fridge, and meals five days per week. Competitive rates. Call for information and availability 822-8788.

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Affordable accommodation or meeting space near the Chan Centre and MOA. 17 modestly furnished rooms with hall bath are avail. Daily rates starting at \$36. Meals or meal plans are avail. in the school cafeteria. For more information call 822-9031; 822-9490.

FURNISHED CONDO

1 BR and den in the Bristol at Hampton Place, UBC. Six appliances, spa and exercise facility. U/G parking. Ideal for mature individual. N/P, N/S. Avail. Sept. 15-Dec. 31. Call 228-0920.

BRIGHT FURNISHED

quiet one BR basement suite in quaint Point Grey house. Near 10th Ave., bus, UBC and shops. N/P, N/S. \$600/mo. incl. util. Separate entrance. Avail. Aug. 15. Suit UBC grad student. Call 222-1354.

SALT SPRING ISLAND

Architecturally-designed two BR, two bath, loft, vaulted ceilings, three decks, hot tub, peek-a-boo view. Five min. walk to beach. Furnished, self-contained. Avail. Aug. or Sept. 1. One year min. \$1300/mo. E-mail: joanney@kwantlen.bc.ca Call (250) 537-0717.

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Delightful two BR garden condo, furnished, private garden, quiet, in Kits, First and Cypress, 10 min. from UBC, walk to beach, Granville Market, shops. \$1650/mo. Incl. util., cable, phone, newspaper. Avail. Sept. 1. Call 734-7414.

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unfurnished house, 4 BR, 2 in the bsmt. New kitchen, floors, carpets. Close to schools, buses, UBC. Avail. Oct. 1 (possibly sooner). Family only. N/S. References and lease. \$2300/mo. Call 224-0725.

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APT. FOR SALE Kerrisdale, one block from UBC bus. Concrete building, fifth floor. One BR. 780 S.F. H/W floors. View, balcony, outdoor pool. \$135,000. Nice place. Avail. Aug. 15. Call 261-7370.

Services**TRAVEL-TEACH ENGLISH**

5 day/40 hr. (Oct. 25-29). TESOL teacher certification course (or by correspondence). 1,000s of jobs avail. NOW. FREE information package, toll free (888) 270-2941 or (780) 438-5704.

RETIRING

in the next three years? As a specialist who has assisted many UBC faculty and staff members through the retirement process I can help sort out the options and provide you with free retirement projections. Call for a complimentary meeting at my office or yours! Don Proteau, BCOMM, CFP, RFP. E-mail: dproteau@hlp.fpc.ca or call 687-7526.

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Deadline: for the Sept. 7 issue: 12 noon, Aug. 28.

Enquiries: UBC-INFO (822-4636) · Rate: \$16.50 for 35 words or less.

Additional words: 50 cents each. Rate includes GST.

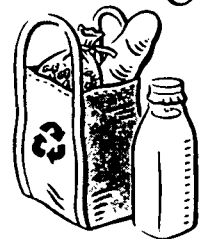
Submission guidelines: Ads must be submitted in writing 10 days before

publication date to: UBC Public Affairs Office, 310 - 6251 Cecil Green Park

Road, Vancouver BC, V6T 1Z1. Ads must be accompanied by payment

in cash, cheque (made out to UBC Reports) or journal voucher.

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Third-year Arts student Jennifer Lau introduces prospective students and their families to the university at one of UBC's spectacular viewpoints, the Rose Garden, as part of orientation tours offered by the Student Recruitment, Information and Advising Office. The 90-minute tours focus on academic buildings and student residences and facilities. The tours, which are offered every Tuesday afternoon and Friday morning year-round, proved popular with more than 2,700 people last year. UBC will welcome more than 4,000 new first-year students in September. Tours can be customized to fit individual or group needs. For more information call (604) 822-9836 or 1-877-272-1422. *Martin Dee photo*

Student paper prompts politicians and planners

Kamloops officials express interest in proposals made by Arts student for Economics class paper

A UBC UNDERGRADUATE Economics paper on funding for a downtown convention centre in Kamloops has drawn the attention of that city's politicians and planners.

Ted Noakes, a UBC Arts student, concluded in his report that although Kamloops would greatly benefit from a proposed 1,000-person capacity convention centre, funding for the structure would be best collected from selected businesses and parties that would benefit most from the project.

He says that the city could coordinate the collection of the estimated \$3.5 million required to build the centre through a hotel tax, restaurant increases, a downtown business improvement tax or user taxes.

His ideas have Kamloops politicians and convention planners interested in reviewing his report.

Russ Cundari, chair of the city's convention centre review committee, indicated that the committee

will be taking a look at Noakes' document.

Noakes, who will be returning to campus this fall to complete his studies, wrote the 35-page paper for his Applied Economics class.

"I was initially interested in looking at either a public transportation project or a convention centre," says the 24-year-old.

He sent inquiries to Kamloops mayoral candidates last fall to solicit their thoughts on the key issues in the municipal election.

Then-candidate and now mayor, Mel Rothendurger, wrote back with a number of issues including the convention centre funding dilemma. That sealed Noakes' decision to pursue the topic.

"I knew that the Kamloops convention centre was a controversial issue and that someone needed to objectively look at it," says Noakes.

The Kamloops native says that the paper has been the most challenging thing he has tackled during his university career to date. He



Arts student Ted Noakes

credits his Economics professor, Ken White, with helping to guide him through a thorough examination of the situation.

"Prof. White was really good at asking questions and playing devil's advocate to make sure that I covered all the issues," he says.

Noakes, who is thinking about either becoming a high school teacher or working in Third World development after he graduates from UBC, says the six months he spent researching, analysing and writing the paper will serve him well in his future endeavours.

"It has really taught me how to approach problems from an economic perspective and that can be taken into the Third World or commercial projects."

Honour Roll

Two School of Rehabilitation Sciences faculty members have been honoured by the Canadian Association of Occupational Therapists (CAOT).

Virginia Fearing, a clinical professor of Occupational Therapy was awarded the Muriel Driver Memorial Lectureship Award.

The association's highest honour, the award is given to an individual who has made a significant contribution to the profession through research, education and the practice of occupational therapy.

Sue Forwell, a senior instructor in the Division of Occupational Therapy, was awarded the Dr. Helen P. Levesconte Award.

The award is made to an individual occupational therapist who has made significant contributions to the profession through the practical application of occu-



Award-winner Sue Forwell

Medicine Prof. **Patricia Baird** is among the latest recipients of the Order of Canada.

"One of the ways in which Canadians can contribute is through research which expands knowledge and improves life," says Baird, a University Killam Distinguished Professor in Medical Genetics.

"I am pleased and honoured to be included in a group of people I admire and who have been recognized for making a difference."

Baird's internationally renowned work has focused on the distribution of genetic disorders and birth defects in populations and ethical and social policy implications of genetic knowledge.

As chair of the Royal Commission on New Reproductive Technologies, she provided a forum for debate on myriad medical, scientific and legal issues.

She is vice-president of the Canadian Institute for Advanced Research.



Award-winner Virginia Fearing

pational therapy and representation of the profession at any or all local, provincial, national and international levels.

CAOT represents more than 8,500 practicing occupational therapists in Canada.

Tony Bates, director of Distance Education and Technology in Continuing Studies, has been awarded honorary membership in the Canadian Association of Distance Education (CADE). The honour recognizes his notable contributions to the field of distance education.

An award-winning author and expert in the field of innovative programming using technology delivery, Bates is recognized internationally for his work with educational institutions in more than 30 countries.

Catherine Vertesi, director of Continuing Studies External Relations, has been re-elected to NAFSA: Association of International Educators.

Vertesi is co-chair of the Special Interest Group on Canada in NAFSA.

The association is the leading professional organization for faculty and staff involved in international mobility in the post-secondary system with more than 8,000 institutional and private members from 88 countries.

Zoology Prof. Emeritus **John Phillips** has been awarded the Fry Medal by the Canadian Society of Zoologists.

The medal is the society's top award. It recognizes Phillips' lifetime achievement in research and contributions to zoology.

Phillips is a past president of the society and a fellow of the Royal Society of Canada.

He is a past recipient of a Killam Research Prize and continues to conduct research at UBC.

Prof. **James Zidek** has been awarded the Statistical Society of Canada's 2000 Gold Medal for outstanding contributions to the theory and applications of statistics in Canada.

Zidek, who is head of the Statistics Dept., was honoured for his work in the areas of estimation theory, decision analysis and environmental health statistics.

The gold medal—the society's most prestigious prize—also recognizes his leadership in the promotion of statistical science.

AIR QUALITY TIPS...

Let's clear the air

Instead of using your car, walk to the store. Do an errand on your bicycle. Take the bus to work, or carpool it.



Greater Vancouver Regional District

Cross-country tag team tackles breast cancer

Researchers hope collaboration will help solve complex puzzle

by Hilary Thomson staff writer

TWO UBC INVESTIGATORS have joined a trans-Canada research relay of more than 20 researchers which will receive \$3 million over three years to develop new knowledge to combat breast cancer.

Joanne Emerman, associate dean, Research, in the Faculty of Medicine and Anatomy Asst. Prof. Calvin Roskelley are part of a team studying a family of hormones called insulin-like growth factors (IGFs) which have been implicated in causing the disease.

It is one of two projects in the new Streams of Excellence Program organized by the Canadian Breast Cancer Research Initiative (CBCRI).

In a structured approach similar to a sports relay team, basic researchers from different disciplines will collaborate on investigations and pass their findings to translational researchers who will develop clinical therapies for patient trials.

"It's time for researchers to increase their collaborations," says Emerman. "We have worked so long in isolation but now realize we can't ignore the multitude of determinants that factor into breast cancer."

"Our part in the project is to isolate the different cell types in the breast and determine which are involved in responding to or making IGFs," says Emerman.

"Once we've done that, we can concentrate our attention on those cells only. We suspect the stem cells—the ones that create all other cell types—may be the ones responding to IGFs which then influence the transformation of normal stem cells to malignant ones."

Roskelley, a cell biologist, will investigate how signals from outside the cell get transmitted into the nucleus to change its characteristics.

"This is a landmark multidisciplinary project," says Roskelley, who has been a faculty member since 1995. "It's an exciting opportunity for us to take basic research findings from the lab bench to the bedside."

Emerman credits UBC professor of Medical Genetics and leukemia researcher Connie Eaves for providing expertise on stem cells that helped develop the assays to study breast stem cells.

To study the effects of IGFs, Emerman and Roskelley will look at about 300 samples of breast tissue. That's where Emerman's primary culture system comes in.

Since 1980, Emerman has developed a culture system—now used worldwide—for studying cells from breast tissue obtained from surgery.

The system uses donated tissue removed during biopsies, mastectomies and breast reduction surgeries, thanks to the co-operation of three Vancouver hospitals: St. Vincent's, Mount St. Joseph's and the UBC site of Vancouver Hospital and Health Sciences Centre. Emerman will provide cells to other researchers who are part of the relay team.

Information from the study could assist with early diagnosis

and prognosis and improve therapeutic methods.

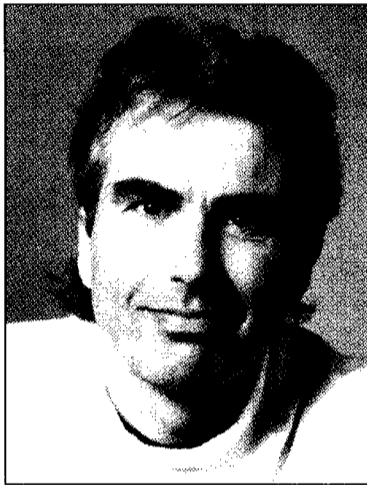
The second project in the relay aims to discover new molecular targets for development of therapies for breast cancer.

Breast cancer is currently the leading cause of death among women between the ages of 35 and 55.

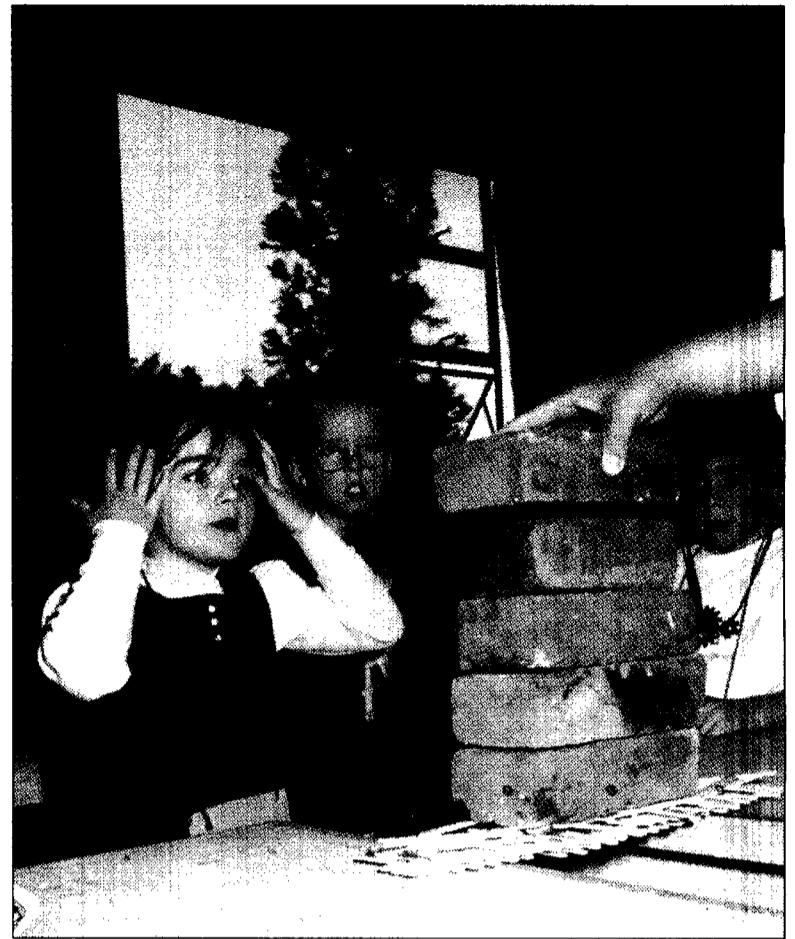
CBCRI is the primary funder of breast cancer research in Canada. It has granted \$61.5 million to 210 breast cancer research projects.



Anatomy Prof. Joanne Emerman



Anatomy Asst. Prof. Calvin Roskelley



WEIGHTY MATTERS Young engineering campers watch anxiously as their bridges of popsicle sticks and white glue are put to the test of holding six kilograms of bricks. The exercise is just one of the highlights of this summer's GEERING UP! UBC Engineering for Kids program. Some 350 local youth have enrolled in the non-profit camps which run until Aug. 25. Designed, organized, and operated by university engineering students, the program also includes more than 200 elementary school workshops in which 5,000 students learn hands-on about engineering and science. For more information, visit the Web site at www.geeringup.apsc.ubc.ca/, e-mail geeringup@apsc.ubc.ca or call (604) 822-2858. *Martin Dee photo*

Justice: What every man deserves

An essay competition draws thoughtful young writers province-wide

by Alayna van Leeuwen
Prince George Secondary School

FOR GRADE 12 WRITERS, the prize with the most prestige in the province may be the \$1,500 first place award in UBC's Faculty of Arts essay contest.

This year 2,600 entries on the subject of "Justice" were judged by 10 UBC instructors, four professors emeriti and a final committee of five. Prince George Secondary School's Alayna van Leeuwen won the top honour for her essay, which is reprinted here.

"We want young writers in the province to know UBC faculty are interested in their writing," says English Assoc. Prof. Ronald Hatch, chair of the competition.

The contest also included a category for Grade 11 students and one in French for Grade 12 native speakers and immersion students, adds English Prof. Margery Fee, associate dean of Arts, Students, whose office funds the competition and handles the massive amount of paper work.

For Grade 12 students there is a \$1,000 second prize, \$500 third prize, 25 distinguished performance certificates with a \$50 UBC Bookstore voucher and 30 honourable mentions.

More than 600 Grade 11 students competed for prizes ranging from \$750 to \$250.

A list of all winners and their essays can be viewed at www.arts.ubc.ca/essay/2000results.htm.

ACCORDING TO FRANCIS BACON, "Justice consists in giving every man what he deserves."

This simple, succinct quote reflects the essence of what most people's sense of justice is. Ultimately, justice seeks to give each man a fair, well-deserved reward or punishment. This quote, however, also contains a major problem that seems to be inherent in the application of justice—deciding what every man "deserves."

Justice can be such a subjective concept that fairness can often not be achieved to everyone's satisfaction. Dispensing justice in Canada's legal system consists of punishing criminal offenders, which leads to the problem of our corrections system.

The goal of punishment is to deter a criminal from committing any more crimes, and judging by the state of Canadian prisons and the recidivism rate, our justice and corrections systems obviously must have some flaws.

There are some problems inherent in the way that justice, or perhaps more accurately, punishment, works in our courts.

It is hard to determine whether these are unavoidable flaws for which there is no remedy, or if they are symptoms of an overburdened legal system.

Most likely it is a combination of both because the courts would not be so overburdened if justice had no flaws; if the courts weren't

FORUM

so congested, the flaws might be less problematic. An example is that because justice deals with human beings, human error and human nature can cause problems.

A young man I know was sentenced to three and a half years for a series of thefts. Days later he read of the same judge, on the same day, immediately after his sentencing, punishing a convicted pedophile to less than one year for the molestation of a young girl.

Hopefully there are some valid reasons for the judge's decision; however, this seems fundamentally wrong, in effect, to place a higher value on property than on a young girl's innocence.

This is likely a very extreme example, but the very fact that this example exists is symptomatic of the problems in serving justice that occur in our justice system.

Our corrections system, too, is full of problems.

In general, the climate of prisons seems to serve not to correct, but to worsen behaviour. The same young man mentioned above entered federal prison having no drug problem and, three and a half years later, left with a heroin addiction which landed him back in prison less than a year later.

A system designed to "correct" behaviour in which heroin is perhaps even easier to find than on the street is undeniably a flawed one.

Our astronomically high recidivism rate is another telling symp-

tom of a poor method of dealing with criminals.

Statistics show that most inmates are from bad family backgrounds and are often poorly educated; combining this with a jail term in which education and skills training can sometimes be difficult to access is almost an assurance that a former inmate will recidivate.

The transition from prison to the street can sometimes be difficult. An inmate who can live in a halfway house may have a better chance than one who is released with little or no money, support, or resources, as sometimes occurs.

Perhaps harsher punishment would help alleviate the strain on the justice system by being a more serious deterrent. Perhaps more effort should be made to rehabilitate rather than gain revenge.

Trying to implement more education programs might help. Certainly trying to lessen the flow of drugs into prisons would help. Alternative sentencing that seeks to hold the criminal accountable by ways other than simply locking him up or to create in the criminal sympathy for victims may help in some cases.

Canada should choose either to punish or rehabilitate rather than sending mixed messages.

There is no perfect justice system, and Canada's is certainly not the worst example, but improvement is necessary.

Bacon's ideal of justice, "giving every man what he deserves," is a worthy one and we should work towards having our justice system reflect that.