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ubc reports

THE UNIVERSITY OF BRITISH COLUMBIA

Funds build new research lab space

Expansion of facilities responds to growing demand for leading biotechnology research

TWO RESEARCH CENTRES ON campus have received more than \$13 million in funding from the B.C. Knowledge Development Fund.

A \$10.1-million contribution will help fund a 7,400-square-metre research facility for the Biotechnology Laboratory. More than \$3.4 million in knowledge development support goes to the Brain Research Centre.

"This provincial contribution is an endorsement of the world-class research taking place at UBC," says UBC President Martha Piper. "It allows us to build our research partnerships, attract top scientists, move toward important innovations and pass on new knowledge to our students."

Strengthening UBC's research infrastructure to support the academic plan is a key part of Trek 2000, the university's vision statement.

UBC's Biotechnology Laboratory was established in 1987 by founding director and Nobel laureate Michael Smith, for whom the new building will be named. The Michael Smith Building will be constructed adjacent to the Earth and Ocean Sciences Annex at the south end of the UBC Bookstore.

"This expansion is vitally needed because of the explosion in biotechnology research that's going on right now," says Doug Kilburn, director of the Biotechnology Laboratory. "And it couldn't be more fitting that our new building will be named for the man who brought so many of our top young scientists on board."

The Biotechnology Laboratory is the UBC component of the Centre for Integrated Genomics (CIG), a collaborative venture of UBC and the BC Cancer Agency (BCCA).

Construction of the new lab is phase one of CIG development. Other facilities of the multi-site centre are the Genome Sequence Centre and the proposed new Cancer Research Centre at the BCCA, recently submitted to the Canada Foundation for Innovation (CFI) for funding consideration.

When completed, the CIG will comprise almost 30,000 square metres of new laboratory facilities

that will accommodate close to 1,000 researchers, including clinical researchers at the BCCA.

CFI has contributed \$9.35 million to the Biotechnology Laboratory component of CIG. Almost \$8 million has been provided by the university thanks to a donation made in 1998 by alumnus Stewart Blusson. The building's total cost is more than \$27 million.

A joint project of UBC and Vancouver Hospital and Health Sciences Centre (VHSC), the Brain Research Centre is directed by Ophthalmology Prof. Max Cynader. It will use its funding to renovate two floors of the Koerner Pavilion at the UBC Hospital.

"We are at a critical moment in our understanding of the brain," says Cynader. "By concentrating our neuroscience expertise we can accelerate advances and translate them quickly into new therapies."

Research in the 5,700-square-metre facility will focus on the development of new diagnostics and therapeutics for vision diseases and for brain diseases such as Alzheimer's, schizophrenia, multiple sclerosis and Parkinson's disease. Other investigations will look at how the brain learns and the effects of aging on the brain.

Additional support from CFI matching funds, UBC and VHSC and private donations will fund the centre's total cost of \$33 million.

See Facility to honour leading scientist, page 2



HAT TRICK Exchanging the traditional mortarboard for headgear made famous by Dr. Seuss's *Cat in the Hat*, Commerce and Business Administration graduate Irfhan Rawji reminds his classmates of the value of humour as he gives his valedictory address. More than 450 students graduated from the faculty during a Congregation week that saw some 5,600 graduates cross the stage at the Chan Centre for the Performing Arts. *John Chong photo*

UBC to host top Pacific Rim university presidents

Agenda to focus on science, technology, research, and educating future leaders

THE PRESIDENTS OF THE LEADING research universities in the Pacific Rim will gather at the University of British Columbia June 23-25 to accelerate a global research agenda designed to help inform government policy.

"Global Science and Technology in the 21st Century" is the focus of

the fourth meeting of the Association of Pacific Rim Universities (APRU).

The association was created in 1997 to more effectively influence economic, scientific and cultural policy in order to contribute to the development of an integrated Pacific Rim community. It comprises 34 leading research universities in the United States, China, Japan, Australia and other Pacific Rim countries.

"This is an historic opportunity for major universities to have a

collective impact far beyond what they could achieve individually," says UBC President Martha Piper. "Through collaboration among the APRU research institutions we will further progress on global issues including the education of the next generation of world leaders."

The APRU meeting will include a high-level joint session between the leaders of these top research institutions and the Canadian *See Pacific Rim page 2*

Youth explore science careers in program

University researchers give high school students an opportunity to experience investigations firsthand

by Hilary Thomson staff writer

SEVEN GRADE 11 Kitsilano Secondary School (KSS) science students will be firing up the bunsen burners this summer as they get to work in UBC research labs as part of a science and technology career orientation program.

"The program provides students with a unique hands-on experi-

ence in a working research lab," says Helen Burt, professor of Pharmaceutical Sciences who is co-ordinating the supervised placement of students at campus labs. "They'll get to see what interdisciplinary collaborative investigations look like."

The students will be on campus in the first three weeks of July. Six students will work in Faculty of

Pharmaceutical Sciences labs and one will assist Assoc. Prof. David Kitts in the Faculty of Agricultural Sciences.

Students will be part of research teams that include senior and post-doctoral researchers, graduate and undergraduate students. They will participate in the same lab safety and other information sessions provided to the UBC undergraduate researchers who are part of the Faculty of Pharmaceutical Sciences' Summer Student Research Program.

After volunteering for the high school elective course called Career Preparation and Planning, students must complete a practical placement of 100 hours in addition to their course work.

KSS career preparation co-ordinator, Liz Neil, has run the program for some time but had no science placements until last summer when Burt suggested stints in UBC labs.

"Students get insight into lab tasks and access to resources," says *See Youth, page 2*

Youth

Continued from page 1

Al Slapsys, the KSS teacher who organizes science student placements. "There's no better preparation for their career planning."

Burt, who is the Angiotech Professor of Drug Delivery, has been involved in bringing students from Lower Mainland schools to campus for several years. She will have two of the students in her own lab, learning how to manufacture drug delivery products such as films and pastes. Students will also analyse drugs in samples of product using sophisticated lab equipment.

Other students will work in the Pharmaceutical Sciences labs of senior instructor Simon Albon,

Prof. Keith McLane and Assoc. Prof. Kish Wasan.

Pacific Rim

Continued from page 1

Prime Minister's Advisory Council on Science and Technology on June 24.

This session will allow Canada's senior science policy advisers to interact with the Pacific Rim university presidents in an open exchange of views on science and technology and human resource development issues at the national and regional policy level.

Dr. Steven Sample, president of the University of Southern California, is the conference chair.

Edwin Jackson B.Sc., CFP

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Facility to honour leading scientist

NOBEL PRIZEWINNER and UBC Prof. Emeritus Michael Smith will be honoured with a new research facility on campus that will bear his name.

The Michael Smith Building will house UBC's Biotechnology Laboratory.

"We are delighted to recognize Michael's extraordinary achievements and contribution to this university and the scientific community as a whole," says UBC President Martha Piper. "His vision for the Biotechnology Lab has brought together a remarkable group of award-winning young scientists who are making contributions in many disciplines."

Smith won the Nobel Prize for Chemistry in 1993 for his work in reprogramming segments of DNA, the genetic building blocks that he has been studying for 40 years.

Awarded the Order of Canada for his contributions to science, Smith is the founding director of the BC Cancer Agency's Genome Sequence Centre in Vancouver, the first genome sequence centre in Canada to be directly linked to a cancer treatment and research organization.

"I am honoured by this decision, especially since I really believe that I was doing the job I was paid to do," says Smith. "As founding director, I am enormously happy to see the faculty, post-doc students, and scientists getting the facility they desperately need and have earned."

The Biotechnology Laboratory provides research space for 17 full-time and associate faculty members and almost 100 post-doctoral fellows, research associates and graduate students. Its scientists have been recognized with numerous prestigious awards for research.

ubc reports

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An Invitation to Faculty

Breakfast with the President

UBC Faculty members are invited for an opportunity to have breakfast and a general discussion with President Martha Piper on Wednesday, **June 28**, 2000 from **7:30 - 9 a.m.**

Interested persons should contact the Ceremonies Office (by e-mail to mpicher@exchange.ubc.ca or by phone 822-0949) and leave their name, department, position/title, contact phone number and e-mail address.

Twenty-six names will be randomly drawn on Wednesday, June 21st at 5 p.m. Only those selected will be contacted. Names which have not been selected will be re-entered for selection at subsequent breakfasts. Please note that participation is limited to one breakfast event per person.

french

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italian

japanese

mandarin

LANGUAGES

Conversational daytime immersion programs start July 10

822-0800

Language Programs and Services
UBC Continuing Studies
www.cstudies.ubc.ca/languages



A-MAZE-ING UBC may seem like a bewildering maze to campus visitors, but thanks to fourth-year students and tour guides Kristina Osborne and Kevin Neilson, groups and individuals can get better acquainted with the university. The two offer free walking tours, which take about 1-1/2 hours, Monday to Friday from 8:30 a.m. to 4:30 p.m. until Aug. 25. Tours can be tailored to specific needs or interests. The guided walks, which are also open to staff and faculty, are very popular so it's advisable to call ahead to (604) 822-TOUR or drop by the office in the Student Union Building main concourse to make arrangements. The tours are a service of the Ceremonies Office. *Hilary Thomson photo*

Students snap up research experience in pharmacy

Undergraduates get grounding from faculty and industry

by Hilary Thomson staff writer

WHAT HAPPENS WHEN you invite undergraduates to participate in research?

An explosion of enthusiastic interest, as the Faculty of Pharmaceutical Sciences has discovered with its Summer Student Research Program (SSRP).

Only a handful of positions were offered when the program started in 1989 with the aim of familiarizing students with the variety of careers available to them.

The program got a boost in 1997 when it was formalized under the direction of Assoc. Prof. Kish Wasan and offered 11 positions.

This year 50 students are in the program, a full 10 per cent of all eligible students. More than 85 students applied for positions, including students from outside the faculty eager for interdisciplinary experience.

"We've had an amazing response and it's the quality of the students that accounts for it," says Wasan.

"They're getting hooked on research and they're being sought after for repeat placements."

The faculty is making an increased commitment to keep pace with the program's popularity, he adds.

Undergraduate students in their first, second and third years are matched to faculty researchers and companies such as Vancouver biotech company Forbes Medi-Tech, Montreal pharmaceutical manufacturer Merck Frosst Canada Inc., North Vancouver's Stanley Pharmaceuticals and British Columbia's Children's Hospital.

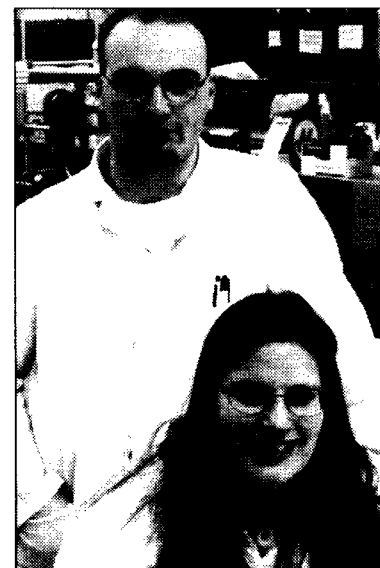
Students are given orientation that includes sessions on lab safety and seminars by faculty researchers. Projects range from community pharmacy education to basic science investigations.

Second-year student James Rosso is working in Dean Frank Abbott's lab to create chemical variants of a drug used to treat epilepsy and bipolar disorder.

"I wanted to evaluate where to go next in my career—research in academia or industry or a career in public pharmacy," says Rosso, who also has an undergraduate degree in Chemistry and had completed a year in an analytical laboratory before enrolling in pharmacy.

It is likely the new compounds, aimed to be more effective with fewer side effects, will be ready for testing by the end of the summer.

Elisa-Marie Babor, a third-year student, works in the lab of Prof. Kathleen MacLeod who specializes in cardiovascular pharmacology. She is helping to investigate how vascular systems react to various chemicals. The results may be useful in research that looks at cardiovascular disease in diabetes.



Students Rosso (left) and Babor

Babor's primary goal in participating in the SSRP was to get a better idea of career opportunities.

"The most challenging part of this program for me is immersing myself in the newness of the environment," says Babor. "I'm gradually getting more confident in the lab setting."

The SSRP can be a gateway to industrial residencies, says Wasan.

Also, many alumni of the summer program pursue academic careers which may help the faculty address its imminent need for professors. About one-third of the Pharmaceutical Sciences faculty will retire by 2004, a reflection of the university's overall human resources needs.

Wasan wants to secure an endowment for the program which has received funding from a variety of sources, including the Medical Research Council of Canada and federal and provincial government student placement programs. He would also like to integrate undergraduate research into the curriculum so that all students get research experience.

UBC lures top U.S. computer scientist

Professor aims to attract 'great young minds'

by Andy Poon staff writer

A LEADING U.S. SOFTWARE researcher has been recruited to UBC to work in a breakthrough area of programming languages and software engineering thanks to a newly created \$1.75-million research chair.

Prof. Gregor Kiczales has been named to the Chair in Software Design in the Computer Science Dept. The chair will be funded over the next five years by the Natural Sciences and Engineering Research Council (NSERC), Xerox Canada Ltd. and Vancouver-based Sierra Systems.

"We can score one brain gain for Canada with this announcement," says Indira Samarasekera, UBC's vice-president, Research. "Our long-term prosperity depends on our ability to develop the information technology component of our national economy. Partnerships between academic institutions and the private sector will be key to our success, and the support of our sponsors has made this chair possible."

An outstanding student at the



Prof. Gregor Kiczales

Kiczales, 39, was an early pioneer of object-oriented programming which allows software to be designed in separate components and then later assembled into a single program.

But there are limitations to this as programmers can find the later stages of assembling the components difficult. Kiczales has solved this with a new aspect-oriented software programming language.

"UBC is an excellent place to pursue this research," says Kiczales. "We're going to do great work and attract great young minds in the process."

A new Software Practices Lab will be created to develop practical techniques to make real-world software development easier and more productive. And as part of the chair, four or five research associate positions for graduate students will be created.

Kiczales says he's excited about being part of "a strong department with some really first-rate people," having collaborated for a number of years with UBC computer scientist Gail Murphy.

In addition to his research and teaching duties at the university, Kiczales will continue to lead the team that developed aspect-oriented programming at Xerox.

Massachusetts Institute of Technology, Kiczales was recruited by MIT to work as a staff researcher before he finished his computer science degree about 20 years ago. From there he held a number of research positions in the Boston area before going on to spend 15 years at the renowned Xerox Palo Alto Research Centre where he was principal scientist.

"I had always wanted to go back to university and this was an opportunity to do it," says Kiczales.

Campus to buzz with events for all

Options range from Shakespeare to the Web

FROM SUMMER CAMPS to seniors' courses, the Internet to Bard on the Beach, a new campus-wide roster is designed to help everyone make the most of summer.

"UBC is a lively, exciting and beautiful summer destination, but this year a campus-wide initiative has been designed to promote a full range of activities that serve the entire community," says Mary Holmes, director of marketing services for Continuing Studies.

Called Summer 2000: Destination UBC, the lineup includes educational, cultural and recreational activities for children, teens, parents, seniors and tourists.

Intensive weeklong courses on Internet design are just one of the new options. Programs for parents coincide with the wealth of sports, science and music camps for children and teens. Discussion groups have been created to augment performances at the Chamber Music Festival, Bard on the Beach, as well as Festival Vancouver.

A film festival and lectures by well-known authors have been added to such favourites as the Third Age Spring Lecture Series for people over the age of 55, now in its 26th year.

MORE INFORMATION
Call (604) 822-1444 or visit
www.cstudies.ubc.ca/summer2000.

MONDAY, JUNE 19

Peter Wall Institute For Advanced Studies Workshop

Mediating Cultures: The Foundational Role Of The Ramayana In South And Southeast Asian Societies. Various speakers. University Centre 307 from 12:30-2pm. Continues to June 23. Web site: <http://tiger.iar.ubc.ca/ramayana> or to register call 822-6463.

Chalmers Institute Seminar

Korean Pastors' Seminar. Rev. Sang Nam Lee; Rev. Young Sun Park. vst at 2pm. Continues to June 21 from 9am-4pm. To register e-mail: ci@vst.edu; call 822-9815.

Biochemistry And Molecular Biology Seminar

Studies Of Genome-wide Gene Expression Using DNA Microarrays. David Botstein. Stanford University. IRC#4 at 3:30pm. Refreshments at 2:45pm. Call 822-2526; 822-5988.

Chalmers Institute Seminar

Walking In Jewish, Christian And Muslim Shoes: Roots Of The Semitic Tradition. Rev. Harold Rosen. vst at 7pm. Continues to June 30 from 8:30am-3pm. To register e-mail: ci@vst.edu; call Mary Elliott 822-9432; 822-9815.

MONDAY, JUNE 26

Commerce Management Development E-Business Forum

Accelerating Your Business With E-Business: Buy-Side, Sell-Side And Inside. TBA. Waterfront Center Hotel, 900 Canada Place from 7:30am-5pm. \$295. Call 822-8455.

THURSDAY, JUNE 29

CUPE 2950 Membership Meeting

What Money Will I Really Leave With When I Leave UBC? The Pros And Cons Of Contributing To The UBC

TUESDAY, JULY 4

Chalmers Institute Seminar

A Theology Of Prayer: Discovering Intimacy With God. Jane E. Vennard. vst Epiphany Chapel at 7:30pm. To register e-mail: ci@vst.edu; call 822-9815.

WEDNESDAY, JULY 5

CUPE 2950 Lunch And Learn Empowerment Series

Assertive Communication. TBA. Angus 225 from 1-2pm. Pre-registration required. Call 822-1494.

THURSDAY, JULY 6

UBC Aquatic Centre

Mel Zajac Jr. Invitational Swim Meet Aquatic Centre from 7:30am-10pm. Indoor pool closed. Limited use of outdoor pool. Weightroom, sauna and steamroom open. Call 822-4521.

THURSDAY, JULY 13

Chalmers Institute Seminar

Jewish Theology In The Gospel Of John. Daniel Boyarin. vst Epiphany Chapel at 7:30pm. To register e-mail: ci@vst.edu; call 822-9815.

FRIDAY, JULY 14

Morris And Helen Belkin Art Gallery Art Exhibition

Contemporary Art Exhibition - Painting From The Collection: Recent Acquisitions. Belkin Art Gallery from 10am-5pm. Sat.-Sun. from 12noon-5pm. Continues to Sept. 3. Call 822-2759.

Morris And Helen Belkin Art Gallery Art Exhibition

Contemporary Art Exhibition - The Wilfred And Sheila Watson Collection. Belkin Art Gallery from 10am-5pm. Sat.-Sun. from 12noon-5pm. Continues to Oct. 8. Call 822-2759.

NOTICES

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.

Summer Hours Of Operation

UBC Food Services 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 will be operating from 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.

Gardens' Hours Of Operation

The Nitobe Memorial Garden, UBC Botanical Garden, and the Shop in the Garden are open to October 2000 from 10am-6pm daily (including weekends). Inquiries for the gardens should call 822-9666 and for the Shop in the Garden 822-4529.

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.

Research Study

Volunteer subjects needed for study on aging and speech understanding. Must be native English speakers 18-30

or 60-80 years old with good hearing in both ears. Involves one two-hour session on UBC campus. \$15 honorarium. Contact Wendy Lam e-mail: wendylam@audiospeech.ubc.ca or call 263-0677.

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 of the age 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 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 July 31. 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 seven- to 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

calendar

JUNE 18 THROUGH JULY 15

TUESDAY, JUNE 20

MOA Music And Dance Performance

A Celebration Of The Epic Ramayana. Various artists. MOA from 7:30-9pm. Continues to June 22. June 20 free; June 21-22 \$7 adult; \$5 student. Call 822-5087; 822-5978.

WEDNESDAY, JUNE 21

Chalmers Institute Seminar

Vancouver Korean Worship. Vancouver Korean Presbyterian Church, 205 W. 10th Ave. E-mail: ci@vst.edu; call 822-9815.

THURSDAY, JUNE 22

Bobby Miller Memorial Lecture

Bronchiolitis—A Pathologist's Perspective. Dr. Richard S. Fraser, acting chairman, Dept. of Pathology. VGH, Eye Care Centre Aud. at 4:30pm. Refreshments following. Call 822-8035.

FRIDAY, JUNE 23

Health Care And Epidemiology Rounds

Morbidity And Mortality Measurements In Victoria. Australia. Michael Ackland. Mather 253 from 9-10am. Paid parking available in Lot B. Call 822-2772.

Morris And Helen Belkin Art Gallery Exhibition

Quartet For The Year 4698 Or 5760: Improvisation For Four Film Projectors. Laiwan; Lori Freedman, musician. Belkin Art Gallery from 10am-5pm. Sat.-Sun. from 12noon-5pm. Daily live performance from 12:30-1:30pm. Continues to June 30. Call 822-2759.

SUNDAY, JUNE 25

Peter Wall Institute For Advanced Studies Workshop

Multicultural Sites/Sights: Vancouver and Sydney, Australia. Various speakers. University Centre 307. Continues to June 28. E-mail: pwei@geog.ubc.ca; call 822-3268.

Pension Plan. Jay Parker. UBC Pension Plan. IRC#2 from 12:30-2:30pm. Call 822-1494.

SATURDAY, JULY 1

Vancouver Sakya Tibetan Buddhist Society

Spiritual And Political Teachings Of Sakya Lineage. Lam Dre Lob Shey. Asian Centre from 1-2pm. Continues to July 28. Call 244-8439.

Canada Day Public Swim

UBC Aquatic Centre from 1-5pm and 6-10pm. \$3.75 Adult; \$2.75 Youth/Student; \$2 Child/Senior. Call 822-4521.

MONDAY, JULY 3

Chalmers Institute Seminar

Foundations In Christian Spirituality I. John March. vst from 8:30-10:30am; 1:30-3:30pm. Continues to July 7. \$320; \$288 group; \$160 seniors. To register e-mail: ci@vst.edu; call 822-9815.

Chalmers Institute Seminar

The Ministry Of Spiritual Direction. Jane E. Vennard. vst from 8:30-10:30am; 1:30-3:30pm. Continues to July 7. \$320; \$288 group; \$160 seniors. To register e-mail: ci@vst.edu; call 822-9815.

Chalmers Institute Seminar

Spirituality Of Children And Youth: Nurturing The Emmanuel Spirit Of The Young. Daniel Scott. vst from 1:30-3:30 pm. Continues to July 7. \$242; \$218 group; \$121 seniors. To register e-mail: ci@vst.edu; call 822-9815.

Chalmers Institute Seminar

Discipleship In John's Gospel. Wes Howard-Brook. vst from 1:30-3:30pm. Continues to July 7. \$242; \$218 group; \$121 seniors. To register e-mail: ci@vst.edu; call 822-9815.

UBC Continuing Studies**In Cuernavaca, Mexico**

Learn The Language And Culture Of Mexico And Latin America. Homestay with a Mexican family. Continues to July 21. \$2,750 includes airfare. Call Continuing Studies at 822-1444.

Chalmers Institute Seminar

Unveiling Empire: Recovering the Book Of Revelation Amidst A Global Economy. Wes Howard-Brook. vst Epiphany Chapel at 7:30pm. To register e-mail: ci@vst.edu; call 822-9815.

SATURDAY, JULY 8

UBC Continuing Studies In Umbria, Italy

Learn The Language And Culture of Italy. Homestay with an Italian family. Continues to July 23. \$2,560 airfare not included. Call Continuing Studies at 822-1444.

MONDAY, JULY 10

Chalmers Institute Seminar

Wisdom Christianity: Recovering The Mystery. Bruno Barnhart. vst from 8:30-10:30am; 1:30-3:30pm. Continues to July 14. \$320; \$288 group; \$160 seniors. To register e-mail: ci@vst.edu; call 822-9815.

Chalmers Institute Seminar

John: The Jewish Gospel. Daniel Boyarin. vst from 8:30-10:30am. Continues to July 14. \$242; \$218 group; \$121 seniors. To register e-mail: ci@vst.edu; call 822-9815.

Chalmers Institute Seminar

Much Nearer The Truth: The Quest For Respect For Judaism Within Post-Holocaust Christianity. Gary Gaudin. vst from 1:30-3:30pm. Continues to July 14. \$242; \$218 group; \$121 seniors. To register e-mail: ci@vst.edu; call 822-9815.

Chalmers Institute Seminar

Christians At Play: Using Drama In Ministry. John and Marion McTavish. vst Epiphany Chapel from 7-9pm. \$200; \$100 group and seniors. To register e-mail: ci@vst.edu; call 822-9815.

TUESDAY, JULY 11

Chalmers Institute Seminar

East And West Today: The Perennial Philosophy And The Gospel. Bruno Barnhart. vst Epiphany Chapel at 7:30pm. To register e-mail: ci@vst.edu; call 822-9815.

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 July 13 issue of *UBC Reports*—which covers the period July 16 to Aug. 12—is noon, July 4.

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, UBC. 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 ap-

propriate 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. Potential hazards including falling, electrical shock, burns, and other harmful events. 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).

BC SMILE

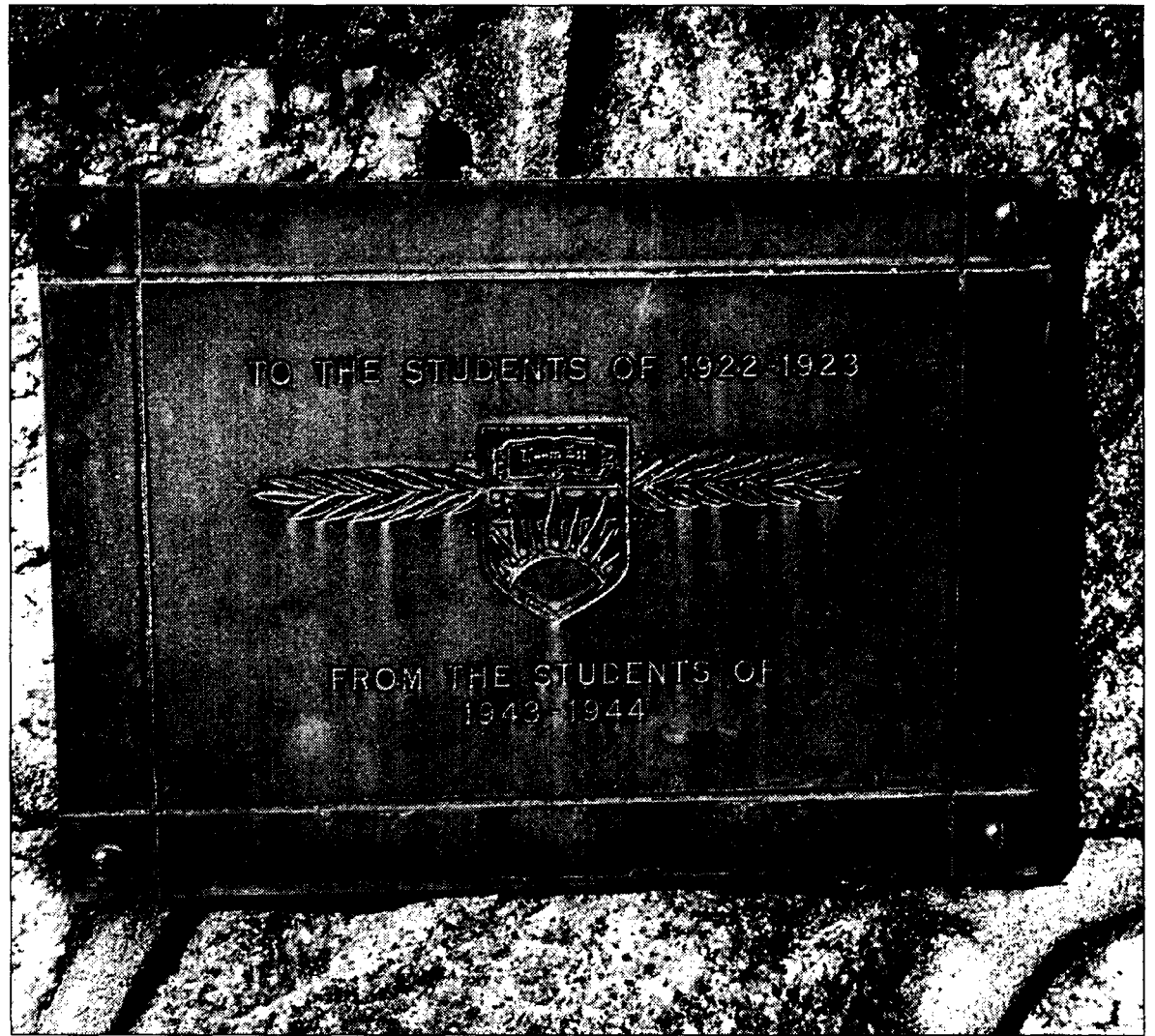
The British Columbia Seniors Medication Information Line (BC SMILE), answered by licensed pharmacists, is a free telephone hotline established to assist seniors, their families and caregivers with any medication-related questions including side effects, drug interactions, and the misuses of prescription and non-prescription drugs when it is not possible to direct such questions to their regular pharmacist or physician. Monday to Friday 10am-4pm. Call 822-1330 or e-mail smileubc@unixg.ubc.ca.

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



A plaque on the side of the cairn on Main Mall is a quiet thank you from one group of UBC graduates to another. The students of 1922-23 were the "Great Trekkers." Tired of over-crowded conditions, 1,178 students spent the summer of 1922 gathering signatures. In the fall, they marched in the Great Trek from downtown Vancouver to Point Grey and presented a petition with 56,000 signatures to the provincial government. A week later the government authorized a \$1.5 million loan to resume construction of the university. The cairn, dedicated on the day of the Trek, is built of rocks gathered on the site and contains stones the trekkers gathered on their way. Dianne Longson photo

welcome. Drop-in fee. Leave message at 878-7060.

Chan Centre Tours

Free tours of the Chan Centre for the Performing Arts 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.

Women And Cancer Conference Advance Notice

Women and Cancer: Myths and Realities. Various speakers. The Westin Bayshore, 1601 W. Georgia St. March 2 and 3, 2001. Call 822-0054.

Next calendar deadline: July 4

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DIGEST

Top geneticists gather to discuss the future

North America's leading genetics researchers are converging at UBC this week to explore the major research themes that they are working on in the new millennium.

The joint meeting of the Genetics Society of Canada and the Genetics Society of America is taking place June 14-17.

"This conference is unique in that it is designed as an opportunity for geneticists to pause and reflect on where the science of genetics is heading in the new century," says Botany Prof. Tony Griffiths, the event's chair.

New ideas in key areas such as genomics and bioinformatics will be presented.

Headline speakers include UBC medical geneticist Dr. Patricia Baird, Nobel laureate and Prof. Emeritus Michael Smith and internationally-recognized bacterial expert Prof. Emeritus Julian Davies.

Other key speakers include leading geneticists such as Stanford University's David Botstein, an influential yeast geneticist; U.S.-based National Cancer Institute's Stephen O'Brien, an expert on animal genome; and the U.S.-based Institute for Genome Research's Claire Fraser, a comparative genomics expert.

New home for .ca

UBC, the Canadian Internet Registration Authority (CIRA) and the Government of Canada have agreed on the terms under which CIRA will assume responsibility for the top-level .ca registry.

CIRA will compensate UBC \$4.35 million for its role in developing the .ca domain space over the past 12 years.

Since 1988, John Demco, a staff member in the Dept. of Computer Science, has voluntarily administered the .ca registry, which has grown to more than 80,000 .ca domain names.

"UBC has long recognized the need to expand the service to the public so when CIRA and the federal government approached the university it was seen as a tremendous opportunity to expand the registry," says Indira Samarasekera, UBC's vice-president, Research.

The transfer to CIRA will occur in stages over the next several months.

CIRA will assume responsibility for certifying registrars. It will also develop new rules and processes to make Internet domain name registration swifter for those wishing to establish a presence on the Web.

The university will continue to operate as a CIRA-certified registrar and register .ca domain names on behalf of applicants.

For more information, visit www.cira.ca.

classified**Accommodation**

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

TINA'S GUEST HOUSE Elegant accommodation in Point Grey area. Min. to UBC. On main bus routes. Close to shops and restaurants. Includes TV, tea and coffee making, private phone/fridge. Weekly rates avail. Call 222-3461. Fax: 222-9279.

GREEN COLLEGE GUEST HOUSE Five suites avail. for academic visitors to UBC only. Guests dine with residents and enjoy college life. Daily rate \$58 plus \$14/day for meals Sun-Thurs. Call 822-8660 for more information and availability.

GAGE COURT SUITES Spacious one BR guest suites with equipped kitchen, TV and telephone. Centrally located near SUB, Aquatic Centre and transit. Ideal for visiting lecturers, colleagues and families. 2000 rates \$81-\$124 per night. Call 822-1000.

PENNY FARTHING INN 2855 W. 6th Ave. Heritage house, antiques, wood floors, original stained glass. 10 min. to UBC and downtown. Two blocks from restaurants, buses. Scrumptious full breakfasts. Entertaining cats. Views. Phones in rooms. E-mail: farthing@uniserve.com or call 739-9002.

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CAMILLA HOUSE Bed and Breakfast. Best accommodation on main bus routes. Includes TV, private phone and bathroom. Weekly reduced rates. Call 737-2687. Fax 737-2586.

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PLACING CLASSIFIED ADS

Deadline: for the July 13 issue: 12 noon, July 4.

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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SUITE FOR RENT near UBC and Locarno Beach for summer or longer. Ideal for visiting faculty or grad student. Double room, fully furn., veranda, bath, shared kitchen. Single occupancy, N/S, N/P. Call Juliana 228-9455.

STUNNING VIEW HOME four BR, den, two bath, D/R, L/R with H/W floors, F/P, eat-in kitchen, six appliances. Mackenzie Heights area. Aug. 2000 - Dec. 2001. N/P, N/S. \$2500/mo. includes gardener. E-mail: perry@interchange.ubc.ca; call 822-9688; 739-8041(eve.).

ONE BR FURN. CONDO W. Point Grey near UBC. \$1650/mo. inc. util., in-suite w/D, H/W floors, patio to courtyard, alarm, U/G parking, spa and exercise facility. Avail. June 1. Call 526-5460.

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SABBATICAL RENTAL one year, one BR apt. at English Bay, furn. or unfurn., fabulous view, concrete building with indoor pool. Half block to bus. \$850/mo. E-mail: sabine@interchange.ubc.ca; call (250) 539-0019

MODERN HOUSE near W. Point Grey avail. July 1 - Aug. 6, furn. three BR, four bath. \$2000/mo. Call 736-1430.

ONE BR APT. bright with hardwood floors, piano, in quiet building. Ideal for mature adult or couple. Absolutely N/P, N/S. Avail. July 1 to Aug. 31. Damage deposit req. \$1000/mo. inc. utilities. Call 731-5825 (eves.).

Housesitting

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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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Scholarship honours pioneering archeologist

"We have come full circle," says Prof. Phillip Harding

HOMER THOMPSON earned the first master's degree in Classics at UBC in 1927 and became one of the foremost archeologists of his generation. A recent donation by the heirs of Doris Baldwin, his sister, will help others at the university follow in his footsteps.

The Homer Armstrong Thompson Travel Scholarship in Classical Studies will assist graduate students in classical studies of the Greek and Roman world participate in archeological excavations and the study of archeological sites and museums.

Thompson grew up near Chilliwack and came to UBC at age 15. He earned a PhD at the University of Michigan in 1929 and then began his 50-year involvement with the Athenian Agora.

In 1947 he moved from the University of Toronto to the Institute for Advanced Study at Princeton University and served as field director of the Agora excavations until 1967. During that time he helped shape knowledge of the most celebrated monuments and moments in classical antiquity.

Thompson, who died in May, also had a distinguished record of achievement as a teacher, mentor, administrator, lecturer, author and student of ancient architecture and pottery.

Classics Prof. Robert Todd, who is preparing a history of the Classics Dept., views Thompson as a remarkable product of the university's earliest days.

"He was a member of the last graduation class at the Fairview campus, and was at Point Grey for the first two years. UBC's dedicated teachers laid the foundation for his later distinction, as they did for many other notables of the 1920s, such as the poet Earle Birney."

Thompson never forgot his time at UBC. He recalled "the remarkable high overall quality of the department that was characteristic of UBC already in those formative years," and counted it "a great privilege to have shared life with those teachers at such an impressionable age."

Canada had no teaching program in classical archeology or excavations in the Greco-Roman world, a situation that remained unchanged until the 1960s.

Prof. Phillip Harding, head of Classical, Near-Eastern and Religious Studies says, "This endowment recognizes the department's quality at a time when we have come full circle."

"In our early days we trained people such as Homer, who went on to achieve great success elsewhere," he explains. "Now UBC conducts research at excavations which include the university's own archeological sites: Anemurium in Turkey,



Archeologist Homer Thompson

Mytilene on Lesbos, Greece, Stymphalos in Arcadia, Greece and the Lunt Roman Fort in Britain. A future collaboration with Laval University is an excavation at Tel 'Acharneh in Syria."

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Honour Roll

Two UBC faculty members have received YWCA Women of Distinction Awards.

Psychiatry Prof. **Sue Penfold** was recognized in the Health and Wellness category.

An educator and psychiatrist known for her commitment to breaking the silence around sexual abuse, Penfold is the author of a book about sexual abuse by health professionals. A faculty member since 1967, Penfold spent nine years as the clinical director of the Child Psychiatry Inpatient Unit at B.C.'s Children's Hospital.

Helen Burt, a professor of Pharmaceutical Sciences and the Angiotech Professor of Drug Delivery has been recognized in the Science, Research and Technology category.



Award winner Prof. Helen Burt

A faculty member since 1980, Burt specializes in drug delivery systems that administer drugs in a more controlled and precise manner. Working with UBC spin-off company Angiotech Pharmaceuticals Inc., she designed a drug delivery system for use in vascular surgery that is now in clinical trials.

The annual program, created in 1984, celebrates women who have made outstanding contributions to the community through professional or volunteer work.

Prof. **Brett Finlay** of the Biotechnology Laboratory has been given a 1999 Telly Award for his lecture "2000 and Beyond: Confronting the Microbe Menace" sponsored by the Howard Hughes Medical Institute (HHMI).

Finlay's free lecture on infectious disease was simultaneously webcast and satellite broadcast to thousands of American high school students in December as part of the institute's Holiday Lectures on Science. It won the award for educational programs for academic use.

Founded in 1980 to recognize outstanding non-network television programs and commercials, the national awards program list of winners includes A&E Network, Discovery Channel and Knowledge TV.

A faculty member since 1989 who investigates bacterial diseases such as salmonella and E. coli, Finlay is an HHMI International Research Scholar and a recipient of the E.W.R. Steacie



Award winner Prof. Sue Penfold

Award, Canada's top prize for young scientists and engineers.

Economics Prof. **Angela Redish** has been chosen to fill the visiting economist position of special adviser in the Bank of Canada for a one-year term beginning in August.

The position was created to bring additional views on monetary policy issues from outside the bank.

Redish is a specialist in the economic history of money in Western economies. She is currently director of Graduate Studies in the Economics Dept.

The first-ever winners of the Eco-Challenge student awards have been announced.

Derek Masselink and **Darren Haines** received \$1,400 each for outstanding environmental stewardship after a seven-month awareness campaign organized by the Campus Sustainability Office in partnership with the Waste Management Program and the UBC Trek program.

Masselink, 32, a master's student in Landscape Architecture, received the award for his advocacy on the South Campus Farm which he would like to see play a vital role in UBC's community development plans.

Haines, 20, a Science undergraduate student, helps promote alternative transportation on campus through his role as the executive director of the Alma Mater Society (AMS) Bike Co-op program.

As part of the Eco-Challenge, academic and operational units competed for the honour of affixing their names to the awards by demonstrating their environmentally sustainable practices over a seven-month period.

Masselink was given the award by Health, Safety and Environment which accumulated the most points in the operational units category. Haines received the award from the Linguistics Dept. which was tops in the academic units category.

The annual Eco-Challenge campaign aims to encourage the campus community to conserve energy, water, paper, reduce single-occupant car commuting, and reduce waste. For more information, visit the Web site at www.sustain.ubc.ca or call (604) 822-0473.



Members of INTERubc, an advanced soccer education project, proudly display medals won in a recent championship. Volunteer coach Harry Hubball, an assistant professor of Education, teaches more than soccer skills to these nine-year-olds. Strategy, self-assessment, research, ethics and leadership are all part of the INTERubc game. Hubball will use information from the project to study critical factors that affect learning in a coaching education program. *John Chong photo*

Program offers youth a kickstart

"There's so much more these kids can learn than just drills and winning at all costs," says Education Asst. Prof. Harry Hubball

by Hilary Thomson staff writer

ASK HARRY HUBBALL about learning environments at UBC and he won't point to a lecture theatre or a lab. He'll take you onto a soccer field.

The assistant professor of Curriculum Studies in the Faculty of Education has developed an advanced soccer education pilot program for nine-year-old boys that puts education research into practice.

"I want kids to remember their early soccer involvement as a positive experience," says Hubball, who has volunteered as a Point Grey community soccer coach for the last three years and whose son participates in the advanced program. "This program goes far beyond intense competition—there's so much more these kids can learn than just drills and winning at all costs."

Hubball created the 12-player team called INTERubc last October after parents encouraged him to start an advanced team development and soccer skills program. The program is based on the model of learning found in the UBC Faculty Certificate Program on Teaching in Higher Education, which Hubball spearheaded.

Like the certificate program, the indoor/outdoor soccer education pilot integrates a variety of learning strategies including teamwork and leadership skills, video analysis, self-reflection and assessment.

A key element of the program is the development of a personal soccer portfolio that contains goal-setting and journal reflections on individual and team progress, player's match reports, a videotape of their games, and soccer-related research worksheets.

The ethics of fair play are emphasized throughout the program.

Each player also receives e-mail or fax homework delivered to his parents so they can participate in further learning beyond the weekly team meetings. Homework includes review of game videos where players are asked to analyse specific points of play.

Student teacher volunteers from the Faculty of Education assist with coaching development. Most activities take place at Osborne Gym and field on campus and include parents as active participants.

Road trips, alternative physical activities and team participation in the Sun Run round out the program.

Sound like a lot of work for a nine-year-old?

"These kids love it—their enthusiasm is amazing," says Scott Robertson, volunteer assistant coach and fifth-year Education student. "And they see the work pays off because INTERubc is a successful team."

INTERubc players understand the passion of soccer and the team spirit that other young players do not develop until much later in their playing careers, Robertson adds.

The team recently won the Under-9 Select Team League Tournament at Burnaby, competing with teams from White Rock, Tsawwassen and Maple Ridge.

The benefits of being a part of INTERubc include more than a trophy, however.

"The kids have fun and really develop critical thinking skills, they've been exposed to a healthy, ethical sport environment and they have their portfolio as a tangible product of their soccer accomplishments," says Hubball.

He hopes to have elements of the soccer education program incorporated into the B.C. Youth Soccer program. The findings will be incorporated into a research project looking at critical factors that affect learning in a coaching education program.

After playing teams in the U.S., parents and players finished the season with a camping trip. Their next season starts in September.

School's director rallies to stem RN shortage

With 45 per cent of nurses due to retire, educating a new wave is critical, says nursing director Katharyn May

FRESH FROM her 12-month stint as the president of the Canadian Association of University Schools of Nursing, Katharyn May is eager to resume her post as director of UBC's School of Nursing, but she's bracing for the stiff challenges that face her.

"There's a nursing shortage out there that could bring the nation's health-care system to a screeching halt," says May.

With 45 per cent of Canada's current nursing workforce due to retire over the next decade, May says that nursing schools across the country are confronted by an urgent need to train and graduate more nurses.

But spots for nursing students in the province have, until the most recent provincial budget, been diminishing. In 1994, B.C. graduated 715 nurses a year compared to a mere 600 graduates in 1999.

That is coupled with a current global shortage in nurses—two out of every 10 new nursing graduates leave Canada for the United States. May likens the problem to "running up the down escalator."

She says it's difficult to blame Canadian graduates for fleeing south of the border given the attractive signing bonuses dangled by U.S. hospitals. In some cases they offer aid to repay student loans. On top of that, many new nurses get to choose in which hospital area they will work compared with the often long wait that many endure in Canadian hospitals to get their specialty of choice.

But the situation isn't all gloomy.

May cites statistics that show Canada will overtake the U.S. in the percentage of new nurses that have university degrees soon, reaching 85 per cent in 2005. She says that's in large part because, in 2005, Ontario will make a university degree a requirement for new nurses. Currently 20 per cent of practicing nurses have university degrees across the country.

"In some respects, UBC Nursing is very well positioned," says May. She points to the full implementation of the Multiple Entry Option (MEO) program this fall as an example of one of the methods the school is using to attract new students.

Instead of the three years of study required at most other nursing schools for previous degree-holders to get university-level nursing training, the MEO program al-

lows people to do so in a two-calendar-year intensive program which concentrates on teaching the skills and theories of the profession.

May says this is a critical new applicant pool for nursing talent.

May, who is returning for her second term as director of the school—she was first appointed in 1994—is clear on what she would like to accomplish this time around.

"We have to be more efficient at recruiting bright, ambitious nurses into academic nursing," says May.

One way to do this is through expanding distance and alternative delivery of PhD programs, says May.

May is determined to work for increased funding for the school and to provide better scholarship opportunities for students.

She says that while the school will remain strongly focused on research, she will also further partnerships with clinical agencies.

The school recently celebrated its 80th anniversary.

Flexible learning key to nursing program

Multiple entry program is one of only two nationwide

THIS FALL the School of Nursing will admit a second wave of students into the new Multiple Entry Option (MEO) program.

The program responds to requests for nursing education that is more expedient and recognizes students' experience and skills.

Previously, nursing undergraduates were admitted into the generic baccalaureate student nurse

program—a traditional four-year degree. Students took nursing courses, science support courses, general electives and participated in clinical practice in each of the four years of study.

The MEO program is tailored to admit a student into year one or three depending on his or her academic background and experience.

The first option is designed for students applying from high school. Admitted into year one, these students follow a four-year nursing degree program.

A second option accommodates students with previous post-secondary education in other disciplines, particularly those who are shifting careers. They apply for admission into year three.

Option three allows registered nurses who already have a nursing

diploma broaden their knowledge and advance their careers through university study. These students are also admitted into third year.

The MEO program is designed so nursing students in third and fourth year take courses that are entirely nursing focused.

It allows the School of Nursing to accommodate extended clinical practice—a key learning experience that many students and employers have been demanding.