

REPORTS

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Cameras click as cameras roll. Interested photographers catch some of the action as Japanese film technicians from Telecom Japan pose models for television commercial that was shot at UBC earlier this month.

1,500 here for 'plant' conference

Some 1,500 horticultural scientists from across North America will be streaming onto the UBC campus this weekend for a combined meeting of the American and Canadian societies for horticultural science.

It is the 81st annual meeting of the ASHS and the 29th annual for the CSHS. This is the first time in 10 years the two societies have met in Canada, and the conference is being hosted by UBC's Department of Plant Science.

Dr. Victor Runeckles, head of plant science, is general chairman of the conference.

Horticulture is the single largest sector of British Columbia's billion-dollar agricultural industry, accounting for nearly 25 per cent of total farm cash receipts.

B.C.'s interior valleys produce excellent tree fruits, grass and a wide range of field vegetables. Coastal river valleys and deltas are renowned for berry production, processing and fresh market vegetables, and for forest and ornamental nurseries. Across the province a thriving greenhouse industry provides flowers, ornamental plants and vegetables to local markets.

Horticultural scientists play a vital role in developing and expanding horticultural crop production and in finding solutions to the many problems that arise at each level of production, from the field, to storage, to processing.

Agriculture Canada has several research stations in B.C. specializing in horticultural programs. The Vancouver Research Station, located on the UBC campus, is the national centre for plant virus research.

At the University, Plant Science is the largest of the seven departments within the Faculty of Agricultural Sciences. It offers bachelor's, master's and doctoral programs, with specialization in horticulture as well as agronomy, rangeland resources and crop production.

Horticulture students are offered courses in vegetable, tree fruit, small fruit and greenhouse crop production — as well as a number of required courses in biometrics, experimental design, crop physiology, genetics and breeding, economic entomology, plant pathology, weed science and plant propagation.

Although the ASHS/CSHS conference runs from Aug. 3 through Aug. 9, the more than 600 papers will be presented next Monday, Tuesday and Wednesday in rooms and lecture halls in the Buchanan Building and the Woodward Instructional Resources Centre.

In addition to the papers, which range from straightforward (Freeze Protection for Strawberries) to the more esoteric (Spray Droplet: Leaf Surface Interaction: Droplet Drying Characteristics and Nature of Growth Regulator Deposits as Revealed by Dispersive X-ray Analysis), a number of more informal workshops are scheduled, at which international experts will speak on specific aspects of horticulture.

The keynote address (8:30 a.m. Aug. 6, War Memorial Gym) will be given by Dr. Charles Hess of the University of California, Davis. He will speak on biotechnology and its implications for horticulture and society.

Headquarters for the conference will be the Walter Gage Residence.

Ethics, aging is the theme

The first national conference on ethics and aging will take place at UBC Aug. 16 to 20. About 100 delegates are expected to attend.

Coordinator of UBC's committee on gerontology, Dr. James E. Thornton, said the conference is designed to provide an interdisciplinary forum.

"We want to reach educators, researchers, practitioners and policymakers in the field," he said. "We want them to identify the ethical issues influencing

policies, programs and research for aging people."

Dr. Thornton said such ethical issues have received little serious attention, though they involve ideals that are fundamental to our culture. Among the ideals are freedom of choice, personal responsibility and autonomy, human dignity and social and professional obligations.

Papers on these topics will be given by a number of Canadian experts as well as by speakers from the U.S. Among the subjects covered will be age discrimination in work and leisure, dignity and life-sustaining treatment, reform of laws affecting the aged, ethical guidelines for social research and changes needed in the education of those providing services to the elderly.

Dr. Thornton, assistant professor in UBC's Faculty of Education, said the conference will be of interest to people in gerontology, health sciences, ethics, law, adult education, psychology, sociology, volunteer agencies and education and health administration.

Opening the first plenary session will be Dr. David Roy, director for the Centre for Bioethics, Clinical Research Institute of Montreal. He will speak on ethics and aging at 7:30 p.m. Aug. 16 in the lecture theatre of the Law Building.

Co-chairmen of the conference are Dr. Thornton and Dr. Earl Winkler, assistant professor in UBC's philosophy department.

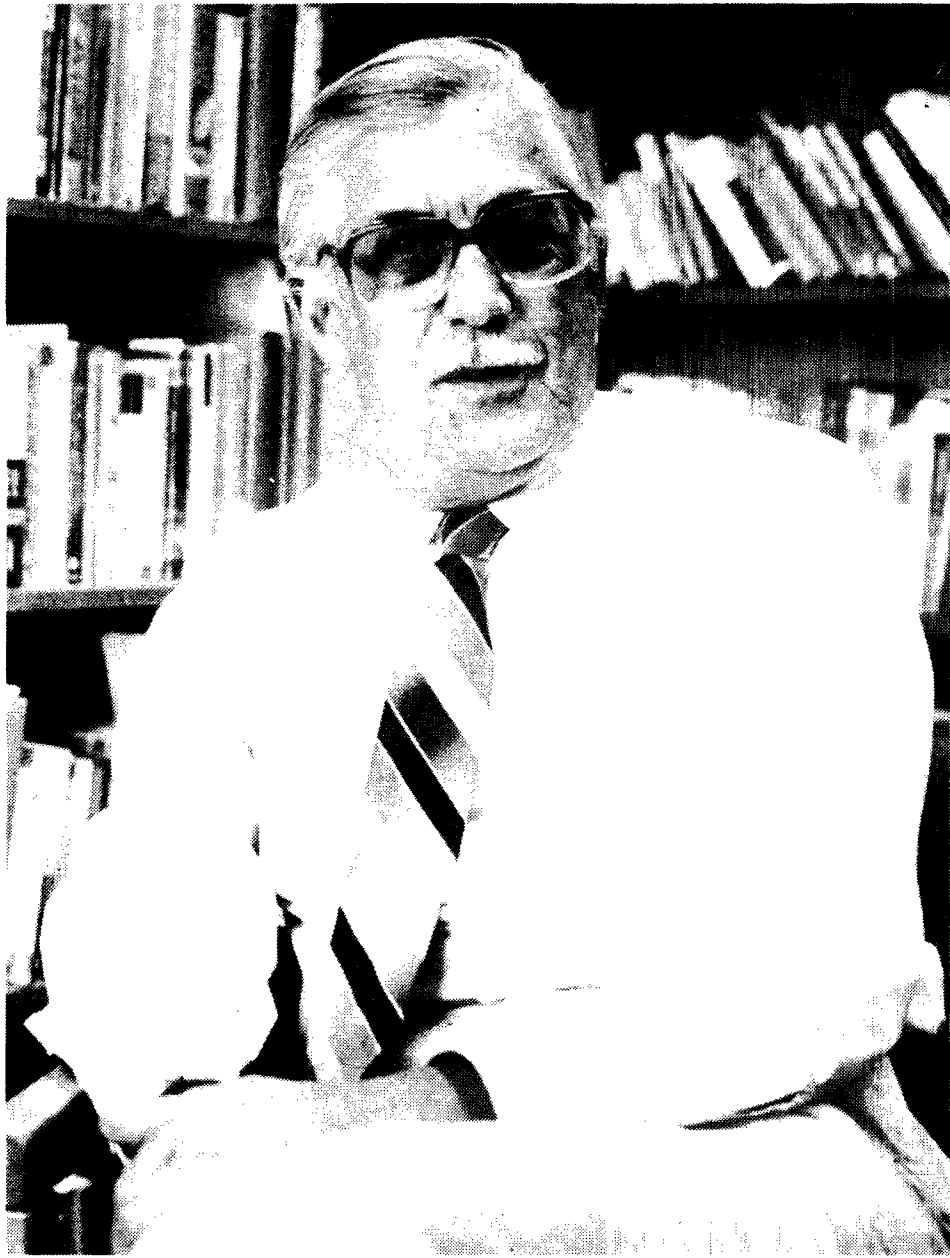
For more information on the program please contact Mr. Phil Moir, UBC's Centre for Continuing Education, 222-5225.



David Roy



UBC's newest vice-president, David McMillan, started work this month as the person responsible for university development (fund-raising) and community relations.



Dan Laurence

GBS expert here for summer

A distinguished visitor to the campus this summer is Prof. Dan H. Laurence, Literary and Dramatic Advisor to the George Bernard Shaw Estate. An internationally acclaimed scholar and editor of the standard edition of Shaw's plays, Prof. Laurence is teaching a graduate course at UBC.

UBC Reports asked Prof. Laurence to describe the duties and responsibilities of a literary and dramatic advisor. He explained that an advisor to an estate "can be many things", but that as advisor to the Shaw estate his duties fall into three main areas.

Firstly, Prof. Laurence acts as a kind of literary agent, suggesting to the estate ways and means of publishing new Shaw materials or repackaging old materials so that they become saleable.

For example, Prof. Laurence was responsible for suggesting that instead of re-issuing an old edition of Shaw's music criticism, the estate should publish a new, revised edition.

"The new edition sold extremely well and did much more business for the estate than if they had not had a literary advisor and had decided to reprint the old volumes," said Prof. Laurence.

Secondly, as literary advisor Prof. Laurence is responsible for deciding if material is worth publishing — depending upon whether it will enhance or detract from Shaw's reputation.

"Shaw, himself, would never have approved of publishing early, unfinished draft material," said Prof. Laurence.

Thirdly, and perhaps most importantly, Prof. Laurence is responsible as dramatic advisor for deciding what changes may be made to a copyrighted Shaw script in production by a theatrical company.

"Shaw's plays are long, and today's audiences won't sit through long performances," Prof. Laurence explained. "Therefore, cuts are unavoidable — but they must be intelligent. The question is, which thirty minutes are to be cut?"

Prof. Laurence said he bases his judgment of which cuts and alterations are allowable on the principle that "we must always maintain the integrity of the work as Shaw conceived it." But, he said, not all

directors have the same attitude towards an author's work.

"We have a very casual attitude today on the part of companies," said Prof. Laurence. "The director thinks he knows better than anybody in the world, including the author, what this play means and how it should be presented."

Prof. Laurence said that quite often the director will distort the meaning of a play to suit his own purposes. "It's unfortunate, because it's an outrageous example of one man in effect appropriating the work of another."

But Prof. Laurence said that copyright laws clearly prohibit any changes to the script without permission of the copyright owners — in this case, the Shaw estate. "Every time you find a group that is making adjustments they have simply ignored the contract, they have simply ignored their obligations."

However, not all theatrical companies have such a cavalier attitude toward the works of authors such as Shaw. The Shaw Festival in Niagara makes use of Prof. Laurence as a literary and dramatic advisor to their directors.

"I am a man of the theatre and am a Shaw scholar," said Prof. Laurence. "It is this combination which makes me useful to directors."

Prof. Laurence said his principle concern as advisor is to protect Shaw's interests and to see that no damage is done to his works. "I don't have the final word, but they (the Shaw Festival) respect my opinion."

Prof. Laurence, who has acted since the age of 12 and has directed many plays, said he understands theatre from an "insider's" point of view. "I approach theatre as a critic, director, and actor, as well as a scholar."

Prof. Laurence said he believes that it was because of this combination of two skills — theatrical and academic — that he was chosen to be literary and dramatic advisor.

"Like Kim in Rudyard Kipling's novel, the gods have given me two sides to my head," said Prof. Laurence, "and I'm able to put the two together."

CAMPUS PEOPLE

An ear nose and throat specialist in UBC's Faculty of Medicine, assisted by one of the faculty's communications experts, has won an international award for clinical research.

The prize is the Mosher Award of the American Triological Society (triologic refers to the three subject areas: ear, nose and throat). It is presented annually for the best thesis on clinical research submitted by candidates seeking admission to the society.

The winner is Dr. Irwin F. Stewart, clinical associate professor in the otorhinolaryngology division in the Faculty of Medicine's surgery department. Dr. Stewart is only the third Canadian to win the award. He graduated from UBC with a BA degree in 1952 and MD degree in 1956.

The communications expert is Mr. Brian McMahon of the biomedical communications department. He and department colleague Mr. Tony Smithbower helped edit videotape taken by Mr. McMahon over a period of 13 years. The edited tape accompanied Dr. Stewart's thesis, "After Early Identification, What Follows? A Study of Some Aspects of Deaf Education from an Otolaryngological Viewpoint."

"There's no question," Dr. Stewart said, "that Brian McMahon's professional attitude and the professional finish to the videotape contributed much to winning this award, not only for myself but for the University."

Prof. Jonathan R. Kesselman, a public finance expert in UBC's Department of Economics, has been awarded the Professorial Fellowship in Economic Policy by the Reserve Bank of Australia. Prof. Kesselman will spend the 1985 calendar year at the Centre for Research on Federal Financial Relations at the Australian National University, Canberra. His research will examine theoretical and policy aspects of reforming personal income taxation.

Top timber engineer joins UBC

One of the world's outstanding timber engineers has joined UBC's civil engineering department.

Prof. Ricardo Foschi won the highest international award in forest research in 1982, the Marcus Wallenberg Prize of the Wallenberg Foundation of Sweden. The prize includes a cash award of \$100,000.

More than 100 scientists were nominated for the 1982 award.

Prof. Foschi is an expert in wood engineering, structural reliability in wood and studies on the behavior of wood as a building material.

Prior to his appointment, Prof. Foschi had an adjunct appointment with both the civil engineering department and UBC's Faculty of Forestry, while he was with the Western Forest Products Laboratory on campus.

The federal government laboratory has been associated with UBC for about 60 years. It became a private firm — Forintek — in 1979.

Forintek recently formed a new program for graduate student training and research at the University.

Forintek will offer one new fellowship each year for masters and Ph.D. students. The fellowship in timber engineering in the civil engineering department will be for \$15,000 each year.

The laboratory will also establish a research and development fund. The money will be used to partly cover expenses of scientists in timber engineering visiting UBC and Forintek and to pay for some research costs.



Familiar figure at Faculty Club for the past seven years, secretary Louise Lamb has left campus to join Department of Medicine at Vancouver General Hospital.

Prof. Peter Stenberg of the Department of Germanic Studies has been awarded a renewal of his grant from the Alexander von Humboldt Foundation of West Germany. Prof. Stenberg will be spending a second leave year at the Universitat Augsburg to continue his research on the German-language literatures of central and eastern Europe.

Prof. Melvin Comisarow of UBC's chemistry department and former UBC chemistry department member Prof. Alan Marshall won the academic science award at this year's meeting of the American Mass Spectrometry Society.

Dr. Marshall is now at Ohio State University.

Both scientists finished post-graduate research studies at Stanford University and joined UBC where they successfully applied the "Fourier transform mathematical techniques" to mass spectrometry.

The technique, named after French mathematician Jean Louis Fourier, is a mathematical method for decoding information and offers significant advantages over mass spectrometers based on earlier technologies, used to analyse the components of samples.

Chinese music at Asian Centre

The twin Wei brothers, two distinguished musicians from Taiwan, will give a free concert of Chinese classical music next Tuesday (Aug. 7) in the auditorium of the Asian Centre, starting at 8 p.m.

The concert is sponsored by the Chinese Artists Association of Canada.

The brothers play many instruments, including a number of ancient Chinese instruments such as the Ku-Cheng (zither-like, with 16 or 21 strings), the Pi-Par (similar to guitar) and the Nan-Wu (similar to a violin).

Wei Der-Dong is president of the National Music Association in Taiwan. He teaches Ku-Cheng at a number of universities. He is also a composer.

His brother, Wei Der-Liang, plays more than 20 Chinese instruments, as well as such international instruments as the piano, violin and flute. He has been a teacher, has edited music scores and has written books on music.

Although the concert is free, seating is limited and those planning to attend are encouraged to obtain tickets in advance. They are available from Perlin Music at 107 East Pender (682-1913) or the World Journal, 150 East Pender (685-2593).

Football 'Birds have depth, experience

It seems that summer has barely started but already the UBC Thunderbird football program is in the news. Word of the success of last year's senior cornerback, Laurent DesLauriers, now a safety with the Edmonton Eskimos of the Canadian Football League, has been one bright moment in the sun for the T'Bird football program during the summer months.

Last season DesLauriers was UBC's sole All-Canadian and he set Thunderbird all-time records for career yardage in punt returns and kick returns while backstopping the football T'Birds to a 6-5 overall record and a 5-3 Western Intercollegiate Football League standing.

The Thunderbirds finished second in the conference behind Calgary and then lost out to the Dinos in a hard-fought 21-12 national semi-final loss in the Alberta city. Calgary went on to win the Vanier Cup in Toronto by a score of 31-21 over Queen's University Golden Gaels.

The outlook for the season immediately ahead looks quite good for the Blue and Gold as, aside from DesLauriers, only flanker Chris Grdina, cornerback Brian Branting and offensive lineman Jim Rybachuk are missing from what could be a very powerful unit.

Back is two-time All-Canadian Glenn

Steele at running back. He has a very good chance to break Gord Penn's all-time UBC career rushing record sometime this season. Joining him to create the strongest backfield in Canada is Regina Ram junior football sensation Terry Cochrane.

Cochrane joined the Thunderbird football program in 1981 but then took two years off school to set numerous junior football rushing, punt and kick return records before deciding to return to UBC this September.

At quarterback, second-year man Jordan Leith and Notre Dame High School product Frank Cusati will return to lead the offensive unit while tight end and tri-captain Rob Ros will also line up come September. The offensive line should maintain UBC's tradition of fielding strong running and pass blocking.

On the defence, the return of end Carey Lapa, nose tackle Dwayne Derban and end Kevin Burt augers well for the line while the linebacking corps should be strong with starters Greg Kitchen, tri-captain K.C. Steele, Jack Beetstra (winner of two player of the game awards in 1983) and Mac Gordon all back. Competition for starting positions here should be fierce.

In the backfield, tri-captain Bruce Barnett leads the crew composed of Roger

Zan, Rob Moretto and Roger DesLauriers (the fourth DesLauriers to play football at UBC) with a number of first and second year players competing to fill the remaining spot.

Back for his 11th season at UBC, Thunderbird Head Coach Frank Smith (his career record of 63 wins, 44 losses and 2 ties makes him UBC's all-time leader) feels that the 1984 edition of the Thunderbirds has good potential. "We have some talented athletes on the squad this year. If they pick up the system and learn the skills we could win some ball games," he said. "It should be an enjoyable season."

Smith sees the Western Intercollegiate Football League as being the toughest in Canada. "With Calgary, Alberta and Saskatchewan only losing a few players each from last year's teams, we should be in a real race for the league title. I also expect Manitoba to be really tough but with Calgary losing only their backfield of quarterback Greg Vavra and running back Tim Petros, they should be the favorites to win the championship," commented Smith.

The Thunderbirds open training camp on Friday, Aug. 17, at Thunderbird Stadium and open their season on the road two weeks later in Saskatoon when they visit the Saskatchewan Huskies on Sept. 1.

Their first home game is on Friday, Sept. 7, when they host the defending Canadian champion Calgary Dinos at Thunderbird Stadium in the second of eight league games.

On Nov. 3, Montana Tech visits UBC for a Saturday afternoon non-conference encounter while the Western Final playoff is the following weekend (Nov. 10). The winner of that matchup advances to the national semi-final game at the home of the Ontario-Quebec league winner on Nov. 17, while the Vanier Cup game for the Canadian championship will be in Toronto's Varsity Stadium on Saturday, Nov. 24.

UBC FOOTBALL SCHEDULE

Sept. 1 at Sask., 2 p.m.
 Sept. 7 Calgary at UBC, 7:30 p.m.
 Sept. 14 Manitoba at UBC, 7:30 p.m.
 Sept. 22 at Alberta, 2 p.m.
 Oct. 6 Sask. at UBC, 7:30 p.m.
 Oct. 12 at Calgary, 7:30 p.m.
 Oct. 20 at Manitoba, 2 p.m.
 Oct. 26 Alberta at UBC, 7:30 p.m.
 Nov. 3 Montana Tech at UBC, 1 p.m.
 Nov. 10 WIFL Bowl
 Nov. 17 Semi Bowl
 Nov. 24 Vanier Cup



Len McFarlane works on replicas

Replicas are there to touch

Often when we see a beautiful artifact in a museum showcase we wish to reach out and touch it. But ancient artifacts usually

Gnup golf date set

The Gnup Classic golf tournament will be held on Friday, Sept. 7, on the day of the first Thunderbird home football game. It was announced earlier this week by Director of Men's Athletics Rick Noonan.

"As we did last year, we've scheduled the tournament to start Friday morning with the finish coming by early afternoon. All the golfers will then have time to make the Calgary game at Thunderbird Stadium in the early evening," Noonan said.

The tournament is named after Frank Gnup, longtime UBC football coach who died in 1977. Funds raised from the tournament go towards funding scholarships for students. Noonan feels the tournament is an excellent example of community support for university athletes.

"We're really happy that the community feels that this event is a worthwhile endeavor. Frank Gnup was a well-known figure in British Columbia and an excellent leader for us all."

Information on the Gnup tournament and banquet can be obtained by phoning the Athletic Department at 228-2503.

are too fragile to be handled by the public.

Now a technician at the UBC Museum of Anthropology is making it possible for visitors to have a "hands on" experience of museum artifacts.

Len McFarlane is a specialist in creating exact replicas of ancient artifacts, replicas so exact that it is difficult to tell the original from the reproduction.

Made of durable polyester resin, the reproductions can withstand rough handling, although visually they are similar to the delicate originals.

The process of replication is very exacting. Mr. McFarlane has to first consider the delicacy, coloration, shape and other characteristics of the original, then create synthetic rubber molds from the original without harming the artifact.

Molding the replica requires careful reproduction of such features as age cracks and centuries of accumulated dirt rubbed into rough spots. Even the smallest detail must not be overlooked.

Specially reproduced artifacts can be seen in the movie *Ice Man*, and soon in the CBC TV series, *The Beachcombers*.

Through the work of Len McFarlane, the UBC Museum of Anthropology has built up a reputation for excellent reproductions of ancient artifacts.

GRANT DEADLINES

Faculty members wishing more information about the following research grants should consult Research Services at 228-3652 (external grants) or 228-5583 (internal grants).

Application Deadlines — September 1984

- Alberta Oil Sands Technology & Research Authority
 - Research Contract (1)
- Alcoholic Beverage Medical Research Fdn.
 - Research (1)
- American Council of Learned Societies
 - Fellowships (3)
- B.C. Medical Services Foundation (BCMSF)
 - Research (24)
- Canada Council: Aid to Artists
 - Aid to Artists (15)
- Canada Council: Exploration Prog.
 - Explorations Grant (15)
- Canada Mortgage & Housing Corp.
 - Research Contract Type B (over \$3,500) (7)
- Canada Heart Foundation
 - Awards to Individuals (15)
 - Cardiovascular Travelling Lectureships (15)
 - Grants in Aid of Research or Development (15)
 - Nursing Research Fellowship (15)
 - Research in Professional Education (15)
 - Stroke Research Fellowship (15)
 - Teaching Fellowship (15)
 - Visiting Scientist Program (15)
- Canola Council of Canada
 - Canola Utilization Assistance Program (14)
- Committee to Combat Huntington's Disease (U.S.)
 - Research (30)
 - Research Fellowship (30)
- Cystic Fibrosis Foundation (US)
 - Clinical Fellowships (1)
 - Research (1)
 - Research Scholar Awards (1)
- Fitness & Amateur Sport: Sport Canada
 - Applied Sport Research (15)
 - Sport Science Support Program (15)
- Francis, Parker B. Foundation (US)
 - Fellowship in Pulmonary Research (15)
- Hamber Foundation
 - Foundation Grant (5)
- Health & Welfare Canada: Welfare
 - National Welfare Grant (1)
 - National Welfare: Manpower Utilization Grant (1)
 - National Welfare: Research Group Development (1)
- Health Effects Institute (US)
 - Research (12)
- Koerner, Leon & Thea Foundation
 - Foundation Grants (15)
- Korean Traders Scholarship Fdn.
 - Development of Korean Studies (30)
- March of Dimes Birth Defects Fdn. (US)
 - Research (1)
 - Social & Behavioral Sciences Research Program (1)
- MRC: Awards Program
 - MRC Fellowship (1)
- MRC: Grants Program
 - Program Grants (1)
- North Atlantic Treaty Organization
 - Advanced Research Workshops Program (15)
 - Advanced Study Institutes (ASI) (15)
 - Royal College of Physicians and Surgeons — H.K. Detweiler Travel Fellowships (30)
- Shastri Indo-Canadian Institute
 - Research & Study in India (10)
- Sloan, Alfred P. Foundation (US)
 - Sloan Research Fellowships (15)
- University of British Columbia
 - UBC-SPCA Animal Alternatives Committee (19)
 - UBC-SSHRC Grants to New Faculty (HSS) (28)
- World University Services
 - Awards to Foreign Nationals: Fellowships (30)

Oral biology student wins

A master's degree student in UBC's Department of Oral Biology, Faculty of Dentistry, has won a prestigious international prize for original research.

Mr. William Ng won the Edward H. Hatton award in the pre-doctoral category at the 1984 International Association for Dental Research's annual meeting.

He showed that two substances — hydrogen sulphide and methyl mercaptan — formed by bacteria in the mouth, can penetrate and react with the mucosa lining the gums. The result of this interaction, Mr. Ng demonstrated, is that the gums become more permeable to toxins and other compounds that cause periodontal gum diseases.

His findings are important as the method can be used to assess the diffusion properties of different drugs through oral mucosa.

'Coping day' for women

Women who return to school after years away from classrooms may find campus life overwhelming — but help is ahead at the University of British Columbia.

The Office for Women Students is sponsoring a program, "Coping with Campus", to aid women who are coming to the University after five years or more away from formal study.

The day-long orientation will include a review of support services, a walking tour of campus and libraries, and workshops on time management and study skills.

The program will be offered Aug. 28 (Tuesday) from 9 a.m. to 3 p.m. in the Women Students' Lounge, Brock Hall 223. The event is free, but registration is necessary at the Office for Women Students, Brock Hall, Room 203. Phone 228-2415.

