

UBC



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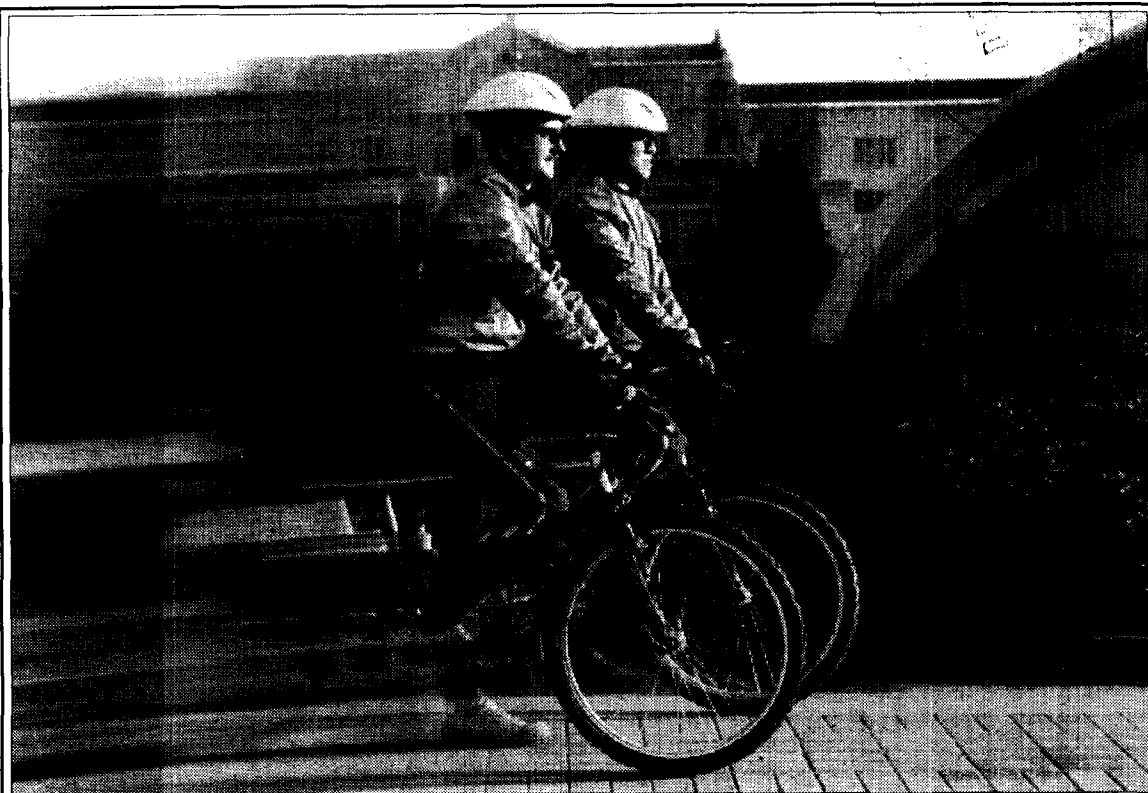


Photo by Martin Dee

SECURITY CYCLISTS - Parking and Security Services patrol members Darren Woodley (left) and Richard Reinecke are now patrolling the campus on mountain bikes. Bike patrol members cruise the campus in pairs, 24 hours a day. (Please see related safety story on page 2).

Security staff swaps cars for bicycles

By ABE HEFTER

Parking and Security Services has beefed up security coverage on campus with the establishment of a bicycle patrol unit.

Nine members of Parking and Security Services patrol have been trained to carry out regular duties by bicycle. They are patrolling campus 24 hours a day, two at a time.

"We feel this has resulted in better access to many areas on campus which simply can't be reached by car," said Security Manager Gordon McLean.

"At the same time, the cyclists have been able to respond more quickly than on foot."

The members of the bike patrol have been through a two-day training

program given by Const. Bert Rainey of the Vancouver City Police Bike Squad. In addition, they've been outfitted from head to toe with the proper gear and uniforms identifying them as UBC patrol members.

The bike patrol members are part of a 35-person campus security patrol team.

Task Force findings

Engineering schools must adapt to meet economic challenges

By GAVIN WILSON

Engineering education in Canada must undergo significant changes if Canada is to avoid a difficult economic future, says a report prepared by a national task force.

The report says that without enough qualified engineers to provide leadership and technical expertise, the Canadian economy may not be able to compete internationally.

The report was released by a task force co-chaired by UBC Applied Science Dean Axel Meisen and jointly sponsored by the Canadian Council of Professional Engineers and the National Committee of Deans of Engineering and Applied Science.

Meisen said the nature of engineering practice is changing rapidly due to technological advance and the shifting needs of society, and engineering education must adapt.

"We need to anticipate the changes and act upon them before the crisis is upon us," he said.

The report made nearly 50 recommendations. Among them:

- a 20 per cent increase in spaces in Canadian undergraduate engineering programs by the year 2000, so that 46,000 students can enrol

- a broadening of undergraduate studies, with emphasis on work experience programs, leadership, team work, realistic design and problem-solving competencies and second language training

- lowering student-to-staff ratios

to provide more personalized instruction

- increase funding for graduate programs and stronger orientation to industrial problems

- the range of master's programs should be increased and become more accessible to part-time students through distance education

- engineering professors should acquire more industrial and international work experience

Meisen said the principal challenge for universities, the engineering profession and industry is to educate engineers who are technically competent



Axel Meisen

and capable of leading the introduction of new and better technologies to benefit society.

He said this challenge can be met by effective co-operation among universities, government and industry, by providing improved instructional resources and by placing greater emphasis on the development of leadership skills.

"Since engineering is fundamental to the prosperity of Canada, it is essential that greater attention be paid to engineering education in setting educational policy," Meisen said.

"In particular, we need to ensure that talented children develop an appreciation for engineering and that university-level engineering programs are accessible to men and women interested in the creative use of technology, science and social sciences in solving society's needs."

Centre links nation-wide effort to combat violence against women

By CONNIE FILLETTI

UBC, in conjunction with Simon Fraser University and the Women's Research Centre, will receive \$500,000 over the next five years to establish the B.C. and Yukon Centre for Action Research on Violence Against Women and Children.

It is one of five centres — all based at Canadian universities — to be es-

tablished under the federal government's \$40-million Family Violence Initiative launched in 1988.

The concept of the centres was originally proposed by the Canadian Association of University Teachers, following the murder of 14 women at Montreal's Ecole Polytechnique in 1989. Veronica Strong-Boag, director of the Centre for Research in Women's Studies and Gender Relations, and Angela Henderson, an assistant professor of Nursing, will co-ordinate UBC's participation in the project.

Both emphasized the importance of the collaboration among feminist service organizations, community groups and academics working as equal partners in the centre.

"It is a vital element to ensure that the research will be action-based, which means that it has to be directly useful to frontline workers," Henderson said.

Strong-Boag and Henderson will help develop — in consultation with community groups working with victims and survivors of violence — a research agenda in the first year of the project.

See CENTRE'S on Page 2



Strong-Boag

Library serials face \$1-million cut

By ABE HEFTER

In order to deal with skyrocketing costs, UBC's Library is making plans to cancel up to \$1-million worth of serial subscriptions during the 1993-94 fiscal year, unless other sources of funding are found.

"The increase in the cost of serial subscriptions has had a disastrous effect on Library costs," said Anthony Jeffreys, assistant university librarian for collections.

In addition to increases of 10 to 12 per cent in the basic subscription prices of serials, Jeffreys said the Library is faced with a Canadian dollar which is falling rapidly against all the major currencies of the world.

As a result, price increases could be as high as 45 per cent, depending

on the publisher and the country of origin, explained Jeffreys.

Last summer, the Library cancelled \$200,000 worth of serial subscriptions, said Jeffreys.

"The first \$100,000 worth had been planned during the previous year. The second \$100,000 had to be added as the financial picture became gloomier."

Some examples of the most extreme price increases for this fiscal year: Brain Research, with a subscription price of \$7,836 in 1992, will increase 46 per cent, to \$11,408 in 1993; the Journal of Applied Polymer Science, with a subscription cost of \$2,715 this year, will increase 65 per cent to \$4,473 next year; and the subscription cost of Computer Languages will go from \$438 in 1992, to \$1,074 in 1993, an increase of 147 per cent.

"Then there are price increases that will occur next fiscal year," he added.

The long-term solution for North American universities, according to Jeffreys, would appear to lie in several areas, including a shifting of the balance of academic publishing back to the non-profit area.

In the meantime, the Library is working with the Senate Library Committee to determine procedures for selecting titles for cancellation.

"There will be widespread consultation with academic departments in arriving at lists of titles to be cancelled, as necessary," said Jeffreys, who added that detailed information on procedures will be outlined in 1993.

Inside

CUTTING CHOLESTEROL: A new health care system is projected to save millions of dollars for prescriptions which may be ineffective. *Page 3*

BURIED TREASURE: Professor Hector Williams uses his imagination to unearth the past. *Page 5*

PAY EQUITY: Canada is a leader among nations when it comes to adopting and implementing pay equity policies. *Forum, page 8*



Letter to the Editor

Recreation Centre fee imposed, says AMS

Dear Editor:

I would like to bring to your attention a serious error that appeared in the November 12th edition of UBC Reports. On page three of the Capital Plan (1992/93 - 2001/02), it states that the Alma Mater Society of the University of British Columbia is contributing \$4.5 million to the construction of the Student Recreation Centre. This statement is untrue.

It is true, however, that all full time students of the University of British Columbia must pay \$40 per year to the University in order to contribute to the construction costs of the SRC. In 1990, the Board of Governors, at the request of the University Athletic Council, approved the collection of the \$40 fee for the following five years. It is of interest to note that the Board approved the University's collection of this fee despite the fact that the University's students voted against contributing to such a facility in a referendum held by the AMS in September 1989. The bylaws of the AMS require that increases to its fees must be supported by its members via a referendum.

Faced with the political reality that the University Act gives the Board the power to "fix, determine and collect" fees, the only allowance for students is the opt out provision. Those students who do not wish to 'contribute' to the construction costs of the SRC must apply in person, within a restricted time period, to receive not a refund, but rather a fee "assessment adjustment." It is ironic that a charitable receipt is available upon request should a student 'choose' to 'contribute.'

To conclude, it is not in the spirit of the AMS to collect from its members, that is, the students of the University, without their expressed support. I hope that in the future references to the AMS will be verified for their accuracy.

Carole Forsythe
AMS Vice President

Winter session enrolment up slightly from 1991-92 figure

By ABE HEFTER

A slight increase has been recorded in the number of students registered at UBC for the 1992 winter session over last year, according to statistics released by the Registrar's office.

There are currently 31,236 students registered for the 1992 winter session, compared to 31,060 at this time, last year.

The largest percentage increase was registered in the Faculty of Agricultural Sciences, which increased from 392 students last year to 620 this year. This is a reflection of the fact that the Bachelor of Home Economics and Bachelor of Science (Dietetics) degrees are now granted from the Faculty of Agricultural Sciences instead of the Faculty of Arts.

Other faculties to show an increase in regis-

tration were Applied Science, up from 2,760 last year to 2,795 this year; Forestry, up from 299 last year to 331 this year; Graduate Studies, up from 5,669 last year to 6,290 this year; Medicine, which went from 742 last year to 754 this year; Pharmaceutical Sciences, up from 469 last year to 471 this year; and Science, which went from 4,456 last winter to 4,488 this winter.

The remaining faculties showed a decrease in registration. Arts went from 8,279 last year to 7,768 this year; Commerce and Business Administration went from 1,365 last winter to 1,355 this winter; Dentistry went from 155 last year to 154 this year; Education dropped from 2,909 in 1991 to 2,650 in 1992; and Law, which went from 704 last year, to 688 this year.

Centre's goal to prevent tragedy

Continued from Page 1

"While numerous studies document the extent of violence against women and children, the new centre hopes to develop a research agenda which will empower community workers, assist survivors and prevent future tragedies," Strong-Boag said.

"This initiative is one product of the efforts of the UBC Centre for Research in Women's Studies and Gender Relations to promote co-operation among universities and the community on critical social issues."

Estimates indicate that in Canada each year, one in every 10 women is abused by her partner and 12,000 seniors experience physical abuse.

Although there are no national statistics for child abuse, a study done in Toronto with adolescent runaways found that almost 75 per cent of them had been physically beaten as children.

Funding for the B.C. and Yukon Centre for Action Research on Violence Against Women and Children is being provided by Health and Welfare Canada and the Social Sciences and Humanities Research Council.

United Way's campus campaign donations to surpass 1991 total

This year's UBC United Way campaign should exceed last year's total of \$265,000 by early in the new year.

"Thanks to an incredible amount of work done by a dedicated team of volunteers we should do it," said campaign chair Nestor Korchinsky. "Response across campus has been tremendous despite the adverse economic conditions."

To date, the seven-week campaign has raised close to \$250,000 from about 1,400



United Way

donors. While the campaign is still short of its \$280,000 goal, Korchinsky said proceeds are still coming in from the student "Button Day" and other sources.

The campus campaign officially ended Dec. 4, but employees can still donate though payroll deduction to United Way's 91 member agencies and 35 affiliates up to Dec. 31.

Said Korchinsky: "You don't have to read the papers or watch TV to see the need. Just open your eyes and look around."

One in four female faculty have felt threats to safety

By CONNIE FILLETTI

Women are not reporting threats to their personal safety on campus, says UBC's advisor to President Strangway on women and gender relations.

"It appears that people on the UBC campus are more likely to report bicycle thefts and car break-ins than threats to personal safety," said Florence Ledwitz-Rigby.

She added that although women perceive the campus to be unsafe, the number of documented cases filed with the RCMP and Parking and Security indicate that the campus seems safer than most other neighborhoods in the greater Vancouver area.

In a recent campus-wide survey of women faculty, Ledwitz-Rigby found that 25 per cent of the respondents had experienced an incident in which their personal safety had been threatened. Only 18 per cent of the women who experienced a problem reported it to the RCMP, or to Parking and Security Services.



Ledwitz-Rigby

"It appears that people on the UBC campus are more likely to report bicycle thefts and car break-ins than threats to personal safety."

- Florence Ledwitz-Rigby

The incidents ranged from being followed to sexual advances, and approximately one-third of them involved individuals the women knew.

"Suspicious behaviors must be observed and reported quickly if we are to deter wrongdoers," advised John Smithman, director of Parking and Security Services.

"Each member of the campus community can extend my department's coverage by co-operating in this regard."

RCMP Staff Sgt. Bern Jansen of the university detachment said no call is too small where safety is an issue.

"We can only deal with those events where the affected party or others with knowledge take the initiative of bringing the matter to our attention."

Ledwitz-Rigby said that increases to the amount of outdoor lighting, emergency communication devices and patrols are the most frequently requested campus safety improvements.

Plant Operations has hired temporary staff to deal with the backlog of burnt-out lamps on campus and Parking and Security has recently added two bicycle patrols to its security services.



BACK TO NATURE

Vancouver artist Kempton Dexter's creation, made of yellow cedar and clay, is among the exhibits on display in the forest art project at the Malcolm Knapp Research Forest. The piece is titled: "Papa not dead, he's only sleepin'." Dexter and three other Vancouver-area artists were commissioned by the province to design and construct sculptures and installations on forest grounds during the summer, using materials found in the forest.

Program brings cultures together

Two new interdisciplinary courses in the Faculty of Arts will be launched in January as part of an agreement between UBC and Ritsumeikan University in Kyoto, Japan.

Jointly developed and taught by UBC and Ritsumeikan faculty, Arts Studies 201 and 202 are three-credit courses open to both UBC and Ritsumeikan students.

"They represent a unique experiment in intercultural team-teaching and student exchange within the classroom," said Margaret Sarkissian, director of the UBC-Ritsumeikan Academic Exchange Program.

Associate Professor David Edgington said the new Arts Studies courses will have a flexible teaching format similar to that of Arts One with professors rotating from various departments on a yearly basis.

An economic geographer, Edgington will be teaching Arts Studies 202 with Political Science Professor Minoru Ouchi from Ritsumeikan. The course explores the political, economic and geographical interactions between Canada and Ja-

pan and the links, both historical and contemporary, between these countries and other Pacific Rim nations.

Edgington said lectures are to include themes such as economic integration, security relations and the roles of resource economies and Japanese investment in the Asia Pacific region.

Assistant English Professor Richard Cavell and Yasuko Ikeuchi, a professor of cultural studies from Ritsumeikan, will teach ASTU 201, an introductory course on the cultures of Canada and Japan. This course examines nationalism, self-perceptions, cross-cultural perceptions and multiculturalism in the two countries. It will also look at mythologies, post-modernism, technology and images in architecture, film and literature.

The academic exchange program is part of a joint educational and inter-cultural initiative between the two universities. It is anchored on campus by the UBC-Ritsumeikan House residence where 100, second- and third-year students from Ritsumeikan share accommodation with an equal number of UBC students.

Unproven cholesterol drugs costing millions: researcher

By CONNIE FILLETTI

An increase in prescriptions for cholesterol-lowering medications which have unproven benefits for elderly patients, is costing B.C.'s health care system millions of dollars, says a UBC pharmacy researcher.

"Aggressive promotion by pharmaceutical companies and commercial food producers has heightened consumer awareness of the potential dangers of cholesterol," said James McCormack, an assistant professor of Pharmaceutical Sciences.

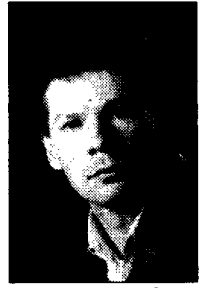
"This is partly responsible for the increased demand by patients for lipid-lowering agents."

In a survey of the prescription drug use of 400,000 patients in B.C. over the age of 65 between 1987 and 1991, McCormack found that five per cent of these patients received at least one prescription for a lipid-lowering medication.

Lipids are any one of a group of fats which are insoluble in water. Cholesterol and triglycerides are the most

commonly found fats in the human bloodstream.

The results of four international studies since 1975 which evaluated the impact of cholesterol-lowering drug therapy indicate little or no effect in overall mortality.



McCormack

"While elevated serum cholesterol is likely a risk factor for coronary artery disease, there are no studies yet that show that reducing serum cholesterol with drugs or diet in patients over the age of 65 has any effect on morbidity or mortality," McCormack said.

Currently, there are 11 lipid-lowering medications available on the Canadian market. Pharmacare, B.C.'s prescription drug plan, pays for most medications of patients 65 years of age and over.

Two of the older medications have been identified as increasing mortality. Pharmacare data shows that 300 patients in B.C. over the age of 65 received prescriptions for these drugs in 1991.

McCormack is also concerned by the number of elderly patients over the age of 85 who are being prescribed drugs for high cholesterol. Almost 200 patients over the age of 85 received cholesterol-lowering agents last year.

He said that an individual would have to live for 10 or 15 years to experience any major benefits.

He feels that clinicians have a responsibility to question and evaluate trials that study lipid-lowering agents to understand the absolute impact they have on morbidity and mortality.

In addition, patients need to take an active role in questioning health care professionals about therapies that are recommended to them.

"Clinicians and patients both have to be familiar with the risks associated with medications and with the reality of the benefits," McCormack said.

Professor refutes big brain claim

Male and female brains equal in size

By GAVIN WILSON

A recent, well-publicized claim that men have larger brains than women is based on faulty statistical analysis, says Dolph Schluter, an associate professor in the Dept. of Zoology.

Schluter said the claim, made by University of Western Ontario researcher Davison Ankney, can be refuted using a technique he teaches to undergraduate students.

Ankney made front page headlines recently with the claim that men's brains are 100 grams heavier on average than women's, even after correcting for the difference in body size.

More controversy erupted when the prestigious science journal Nature refused to publish a paper by Ankney's colleague at Western, Philippe

Rushton, who claimed white men had bigger brains than black men.

Schluter said the results of both studies are flawed because of a common misapplication of a standard statistical method.

"I trick my students every year with this problem," he said.

Schluter even uses the same data as Ankney, collected from autopsies in Cleveland, Ohio, to disprove the claim. But instead of comparing the brain size of men and women of equal heights, as Ankney did, Schluter compared heights of men and women with the same brain size.

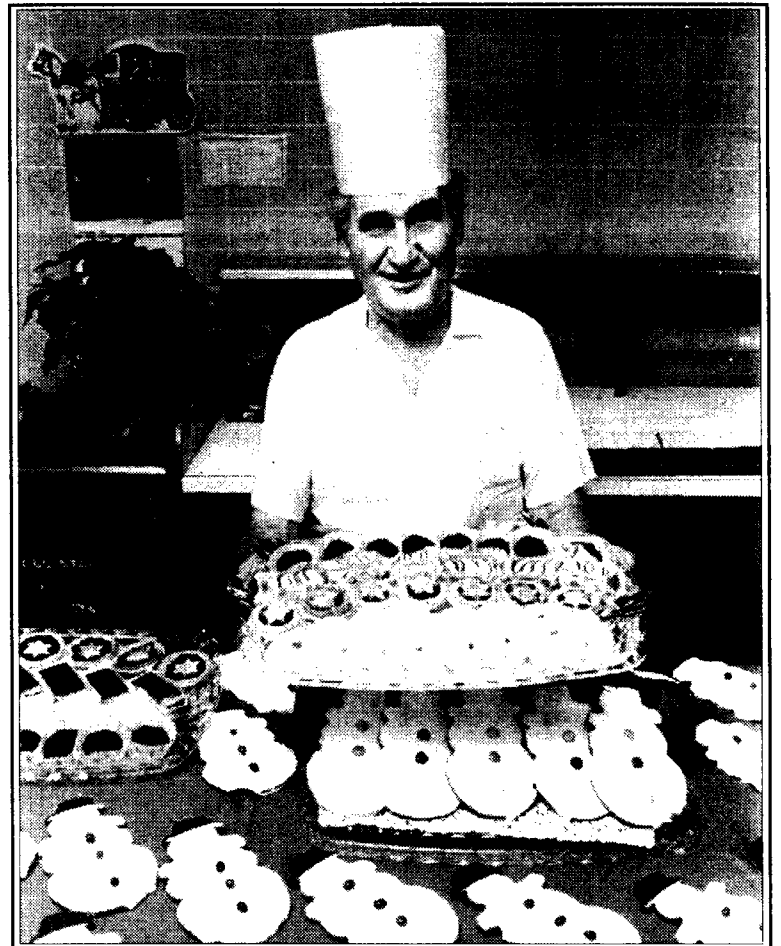
If men actually do have larger brains for their body size than women, then men should be shorter than women of equal brain weight.

But the opposite is true. Men are more than 10 centimetres taller on average than women with the same brain weight. A similar conclusion is reached when body weight is used for comparison.

"Looking at it this way, women have larger brains, looking at it Ankney's way, men have larger brains — neither is correct. This is a paradox known in statistics as the regression effect," Schluter said. "There is no difference between brain sizes of sexes when corrected for body size."

"Of course, the real issue underlying this is intelligence. I have no way of looking at that, and neither do Rushton and Ankney," Schluter said.

"But we do know that Einstein had a pretty average-sized brain."



HO, HO, HO?

Photo by Martin Dec

There's nothing frosty about these snowmen, freshly baked and decorated by UBC Food Services' Christmas Bakeshop for the festive season. Head baker Tom Zorbakis and his staff will produce more than 1,500 of the gingerbread treats. They are part of the 20,000 pieces of traditional holiday baked goods, including mincemeat tarts, shortbread cookies and rum balls, that Food Services has been feeding to students, faculty and staff since the 1950s.

Talks continue with AMS

Contractual arrangements between the UBC's administration and the Alma Mater Society regarding the Aquatic Centre and AMS plans to expand the Student Union Building (SUB) should be ironed out early in the new year.

"We fully expect negotiations to continue with a view to completing them before the next board meeting," President David Strangway said in a memorandum circulated to the Board of Governors and Senate.

On Sept. 30, the AMS put negotiations on hold until an agreement is reached over the society's future participation in the SUB.

Addressing board members in No-

vember, AMS President Martin Ertl expressed concern that the university was not willing to support any active AMS involvement in future capital projects on campus.

Bernard Sheehan, acting vice-president of student and academic services, said the university is not opposed to contractual agreements with the AMS.

Student board member Jaret Clay presented the board with a four-point resolution from the AMS asking that the university honor existing contractual obligations and support future contracts with the society. The document was tabled for discussion at the next meeting of the board on Jan. 21.

Intramural Sports: Active bodies, lasting bonds

By RON BURKE

UBC's Intramural Sports department wants your body. It doesn't matter which group you fall into — faculty, staff, student, alumni or member of the community — Intramurals wants your body, and it'll take your heart and mind too.

It's all part of Co-ordinator Nestor Korchinsky's plan to improve the quality of life on campus and promote lasting bonds among these groups and the university.

Judging by the thousands of people running, jumping, cycling, canoeing and otherwise being terribly active around campus, Intramurals is having great success in attracting participation in its programs.

Improving the quality of life on campus...

For the record, Korchinsky says Intramurals' goals are "to help integrate students into the university environment, to encourage faculty and staff participation, to promote community involvement with the university and to enhance students' learning."

Korchinsky has seen UBC's intramurals program steadily grow in popularity during his 26 years in the department. He estimates that about 8,000 UBC students participate annually

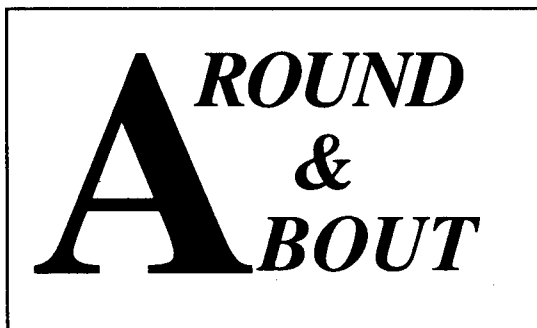
in intramural sports, with the number of participants in all 1992 UBC intramural events exceeding 120,000 — the largest total in Canada.

Many programs are booked to capacity. This year, volleyball is filled to the 180-team limit; ball hockey is full at

124 teams; and October's Day of the Longboat attracted its capacity of 260 teams, plus a waiting list of 20 more.

Associate Co-ordinator Cathy Legg is proud of Intramurals' professional structure, but points out that the unit is still very much a student operation. She should know; Legg put in three years as a student administrator before joining the unit professionally.

"For the 110 student administrators, it's a chance to learn and grow as part of an organized, productive unit," she says. "We have all the facets of business: personnel, finance, public relations, advertising and distribution, and print and video production. But it's also a chance for both administrators and participants to meet students from all of the faculties, in-



stead of just classmates."

Korchinsky is pleased with the profile Intramurals enjoys on campus. Events such as the Arts '20 Relay, Storm the Wall, the UBC Triathlon and Day of the Longboat draw thousands of par-

ticipants and spectators.

"There are very few events that attract attention and participation from all over campus," he says. "I call them 'gotta-be-there' events, like Storm the Wall. An institution's character is partially developed by events like these."

...and promoting lasting bonds with the university.

During May's Congregation ceremonies, Korchinsky was happy to hear a number of heads of graduating classes mention intramural sports in their descriptions of university life.

"I think Intramurals was referred to during five of the eight ceremonies," he says. "That, along with the growing media attention, makes

me think we're doing something right, that we're perceived as an important part of campus life."

Some events, such as the relay, the triathlon and the longboat competition, are open to community participants.

"The outgoing president of the Canadian Intramural Recreation Association said this year that the last frontier for intramural programs is community involvement, but UBC's already there," says Korchinsky.

"Last year, 30 of the longboat teams — that's 300 people — were from the community. Part of what we try to do is get community members to see these events as opportunities to enjoy themselves and be involved with the university."

Mostly, Korchinsky would like UBC grads to remember intramural sports as something that helped to make their time on campus an enjoyable, well-rounded experience.

"I hope," he explains, "that we're able to be part of a package that helps graduates to remember their university years as some of their best years, and that those grads will become committed alumni and have lifelong involvements with UBC."

Intramurals' next major event is the UBC Triathlon, set for Saturday, March 6. For more information, call 822-6000.

December 13 -
January 16**SUNDAY, DEC. 13****Christmas Concert**

University Chamber Singers. Museum of Anthropology Great Hall at 2:30pm. Free with museum admission. Call 822-5087.

MONDAY, DEC. 14**Pharmacology/Therapeutics Seminar**

Exploring The Clinical Utility Of Taxol. Dr. Ken Swenerton, BC Cancer Agency. University Hospital G279 from 12-1pm. Call 822-6980.

Biochemistry/Molecular Biology Seminar

Glutamate Racemase; Mechanism Determination Via Site-Directed Mutagenesis. Martin Tanner, Chemistry. IRC #4 from 3:30-4:30pm. Call Dr. Steve Withers at 822-3402.

TUESDAY, DEC. 15**Botany Seminar**

Flavonoids Of Umbellularia Californica (Lauraceae). Heather Neville, MSc candidate, Botany. BioSciences 2000 from 12:30-1:30pm. Call 822-2133.

WEDNESDAY, DEC. 16**Orthopaedics Grand Rounds**

Restoration Of Motion Of The Paralytic Elbow. Drs. Peter Gropper/Brent Graham. Eye Care Centre Auditorium at 7am. Call 875-4646.

UBC Senate Meeting

The Senate, UBC's academic Parliament, meets at 8pm in Room 102 of the Curtis (Law) Building, 1822 East Mall.

Vancouver General Hospital Evening Conference.

TBA. Chair: Dr. Robert W. McGraw. Eye Care Centre Auditorium from 8-10pm. Call 875-4646.

FRIDAY, DEC. 18**Obstetrics/Gynaecology Grand Rounds**

UBC Reports is the faculty and staff newspaper of the University of British Columbia. It is published every second Thursday by the UBC Community Relations Office, 6328 Memorial Rd., Vancouver, B.C. V6T 1Z2. Telephone: 822-3131. Advertising enquiries: 822-3131. Managing Editors: Steve Crombie and Ed Scott. Paula Martin. Production: Stephen Furgacs. Contributors: Ron Burke, Connie Filletti, Abe Hefter, Charles Ker, and Gavin Wilson.

Please
recycle**CALENDAR DEADLINES**

For events in the period January 17 to January 30, notices must be submitted by UBC faculty or staff on proper Calendar forms no later than noon on Tuesday, January 5, to the Community Relations Office, Room 207, 6328 Memorial Rd., Old Administration Building. For more information call 822-3131. The next edition of UBC Reports will be published January 14. Notices exceeding 35 words may be edited. The number of items for each faculty or department will be limited to four per issue.

The Management Of Dysfunctional Uterine Bleeding - The St. Paul's Hospital Approach. Drs. M. Garrey/Chipperfield/K. Lim/H. Woo. University Hospital Shaughnessy Site D308 at 8am. Call 875-4261.

Paediatrics Resident Case Management

CPC. Dr. Wendy Nusche; Dr. Glen Taylor, pathologist. G.F. Strong Rehab. Centre Auditorium at 9am. Call 875-2118.

SATURDAY, DEC. 19**Christmas Sale**

The Collectable Earth In The UBC Geological Museum. GeoSciences 127A from 1-9pm. 15-20% off on mineral/fossil specimens, mineral artworks, shirts (applies to faculty/staff/students throughout December). Call 822-4089.

WEDNESDAY, DEC. 23**Orthopaedics Grand Rounds.**

Cancelled until January 6, 1993. Call 875-4646.

FRIDAY DEC. 25**Paediatrics Grand Rounds.**

Cancelled. Call 875-2118.

WEDNESDAY, DEC. 30**Orthopaedics Grand Rounds.**

Cancelled until January 6, 1993. Call 875-4646.

MONDAY JAN. 4**Mechanical Engineering Seminar**

Simulation Of Diesel Engine Combustion. Patric Ouellette, PhD student. Civil/Mechanical Engineering 1202 from 3:30-4:30pm. Refreshments. Call 822-6200/4350.

TUESDAY, JAN. 5**Pharmaceutical Sciences Seminar**

Pharmacy And Public Policy. Ms. Colleen Metge, BSc (Pharm.), PhD candidate, Pharm. Admin., School of Pharmacy, U. of Maryland. IRC #4 at 12:30pm. Call 822-2051.

THURSDAY, JAN. 7**Physics Colloquium**

Double Beta Decay And The Neutrino Mass. Michael Moe, U. of California,

Irvine. Hennings 201 at 4pm. Call 822-3853.

FRIDAY, JAN. 8**Health Care/Epidemiology Grand Rounds.**

Molecular Epidemiology. Dr. Michael O'Shaughnessy, director, BC Centre for Excellence in HIV/AIDS Research, St. Paul's Hospital. James Mather 253 from 9-10am. Call 822-2772.

Chemical Engineering Weekly Seminar.

Kinetics Of Pitch Pyrolysis. Chengqing Yue, graduate student. ChemEngineering 206 at 3:30pm. Call 822-3238.

MONDAY, JAN. 11**Mechanical Engineering Seminar**

The Introduction Of Opposing Jets With Special Relevance To Recovery Furnaces. Jeffrey W. Quick, PhD student. Civil/Mechanical Engineering 1202 from 3:30-4:30pm. Refreshments. Call 822-6200/4350.

TUESDAY, JAN. 12**Dal Grauer Memorial Lectures**

Richard Goode, piano. Music Recital Hall at 7pm. Adults \$25, students/seniors \$15 (3 events). Call 822-5574.

Pharmacology/Therapeutics Seminar

Ethics In Therapeutics. Dr. Vince Sweeney, Biomedical Ethics, Vancouver General Hospital. University Hospital G279 from 12-1pm. Call 822-6980.

Pharmaceutical Sciences Seminar

Constructing A Test Of Pharmacy Practice Knowledge. Dr. David Fielding, assoc. prof., Pharmaceutical Admin., Pharmaceutical Sciences. IRC #4 at 12:30pm. Call 822-2051.

French Lecture

Le Concept De Nation (Rousseau, Michelet, Renan, Barres). Anne Simpson. Buchanan Tower 799 at 2pm. Call 822-4025.

WEDNESDAY, JAN. 13**Wednesday Noon Hour Concert Series**

John Rudolph, percussion; Martin Berinbaum, trumpet; Robert Rogers, piano. Music Recital Hall at 12:30pm. Admission \$2. Call 822-5574.

Dal Grauer Memorial Lectures

Richard Goode, piano. Music Recital Hall

at 7pm. Adults \$14, students/seniors \$7 (incl. 3 events). Call 822-5574.

Classics Lecture

Poetry Of Archaic Greece. Prof. Gregory Nagy, Classics, Harvard U. Buchanan D320 at 12:30pm. Call 822-2889.

Geography Colloquium Series

The Crisis Of Multinational Federations: Reflections On The Canadian Case. Philip Resnick, Political Science. Geography 201 from 3:30-5pm. Refreshments at 3:25pm. Call 822-5612.

UBC Senate Meeting

The Senate, UBC's academic Parliament, meets at 8pm in Room 102 of the Curtis (Law) Building, 1822 East Mall.

Classics Illustrated Lecture

Quarrying In Ancient Lesbos. Mr. R.J.O. Millar. Vancouver Museum Lecture Theatre at 8pm. Coffee/tea follows. Call 822-2889.

THURSDAY, JAN. 14**Dal Grauer Memorial Lectures**

Richard Goode, piano. Music Recital Hall at 8pm. Adults \$14, students/seniors \$7 (incl. 3 events). Call 822-5574.

Arts One - Lectures In Humanities

Fifty-Seven Channels And Nothing On: Arts History And The New World Disorder. Dr. Serge Guilbaut, Fine Arts. Arts One Blue Room from 1-2:30pm. Call 822-8619.

Physics Colloquium

Computers In Upper Level Physics Classes. Joe Rothberg, U. of Washington. Hennings 201 at 4pm. Call 822-3853.

CICSR Distinguished Lecture Series

Software Engineering For Commercial Software Products. Dr. Morven Gentleman, National Research Council. IRC #6 from 4-5:30pm. Call 822-6894.

FRIDAY, JAN. 15**Health Care/Epidemiology Grand Rounds**

Risk Reduction Project For Drug Exposed Infants. Dr. Elizabeth Whynot, Medical Health Officer, Vancouver Health Dept. James Mather 253 from 9-10am. Call 822-2772.

Chemical Engineering Weekly Seminar

Mammalian Cell Protein Production Using Controlled Release. Rumina Sunderji, graduate student. ChemEngineering 206 at 3:30pm. Call 822-3238.

SATURDAY, JAN. 16**Vancouver Institute Saturday Night Lecture**

Tombs And Treasures Of Ancient Macedonia: Recent Discoveries In Ancient Greece. Prof. Stella Miller-Collet, director, Troy Excavations. IRC #2 at 8:15pm. Call 822-3131.

NOTICES**Christmas Sale**

Shop-In-The-Garden. UBC Botanical Garden daily from 11am-5pm. Call 822-4529.

Orchid Sale

Horticulture Greenhouse every Monday from December-February from 8:30am-3:30pm. Call 822-3283.

Campus Tours

School and College Liaison Office Friday morning tours for prospective UBC students. Reserve one week in advance. Call 2-4319.

UBC Speakers Bureau

Would your group like to know more about topics ranging from genetic modelling: the new science to computers-of-the-future? Choose from more than 400 topics. Call 822-6167 (24 hr. ans. machine).

Frederic Wood Theatre Performances

Sticks And Stones by James Reaney. January 13-23 at 8pm. Adults \$10, students/seniors \$7, preview Wed. 2 for \$10. Call 822-2678 or drop by Room 207 in Theatre Building.

Executive Programmes

Business seminars. Dec. 14-15: Employment Law for Managers, \$550; Engineer as Manager, \$895. Jan. 11-15: Essential Management Skills, \$1375. Call 822-8400.

ESL Evening Programs

Eleven courses include conversation skills, speaking skills for seminars/meetings, basic writing/grammar, advanced composition, TOEFL preparation. Twice a week beginning Jan. 18/93. Call 222-5208.

Computer Applications For ESL

Learn about microcomputers or WordPerfect 5.0 and improve your English language skills at the same time. Tuesday evenings beginning January 26. Call 222-5208.

English Language Institute Business Communication

Downtown business communication course for non-native speakers of English. Held Mon/Wed, Jan. 26-Mar. 18 at the Women's Resource Centre on Robson St. Call 222-5208.

Professional Development For Language Teachers

Intensive weekend workshop: Managing The Language Classroom. Evening workshops include educational field trips, teaching reading comprehension, reflecting on the teaching of writing. Beginning January 19. Call 222-5208.

December 13-
January 16

Fine Arts Gallery



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

Sexual Harassment Office

Advisors are available to discuss questions or concerns and are prepared to help any member of the UBC community who is being sexually harassed, find a satisfactory resolution. Call Margaretha Hoek at 822-6353.

**Statistical Consulting/
Research Laboratory**

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

**Surplus Equipment Recycling
Facility (SERF)**

Disposal of all surplus items. Currently offering misc. fall specials. Every Wednesday, 12-5pm. Task Force Bldg., 2352 Health Sciences Mall. Call Rich at 822-2813/2582.

**Clinical Research Support
Group**

Faculty of Medicine data analysts supporting clinical research. To arrange a consultation, call Laura Staney 822-4530.

Professional Fitness Appraisal

Administered by Physical Education and Recreation through the John M. Buchanan Fitness and Research Centre. Students \$40, others \$50. Call 822-4356.

Home Economics Study



Volunteers (especially men) who have taken Home Economics in the last 20yrs are needed for a nationwide study on the usefulness of these courses. Completion of questionnaire required. All information will be confidential. Call Dr. Linda Peterat at 822-4808.

Child Studies Research

Is your baby between 2 and 22 months? Join UBC's Child Studies Research Team for lots of fun. Call Dr. Baldwin at 822-8231.

Psychiatry Research Studies

Medication Treatment For People With Depression. Call Annie Kuan/Dr. R. A. Remick at 822-7321.

Medication Treatment For People With Winter Depression. Call Arvinder Grewal/Dr. R. Lam at 822-7321.

Behaviour Study

Do you check or clean too much? Psychology is looking for people who repeatedly check (e.g. locks, stoves) or clean excessively to participate in a study. Call 822-7154/9028.

High Blood Pressure Clinic

Adult volunteers needed to participate in drug treatment studies. Call Dr. J. Wright in Medicine at 822-7134 or RN Marion Barker at 822-7192.

Drug Research Study



Male and female volunteers required for Genital Herpes Treatment Study. Sponsoring physician: Dr. Stephen Sacks, Medicine/Infectious Diseases. Call 822-7565.

Heart/Lung Response Study

At rest and during exercise. Volunteers aged 35 years and more and of all fitness levels required. No maximal testing; scheduled at your convenience. Call Marijke Dallimore, School of Rehab. Medicine, 822-7708.

Nutrition Study



Seeking female vegetarian/non-vegetarian, non-smoker volunteers, between 20-40yrs of age for a study on menstrual status, diet and bone. Honorarium \$50. Call Christina 228-1606.

Jock Itch Study

Volunteers 18-65 years of age are needed to attend 5 visits over an 8-week period. Honorarium: \$100 to be paid upon completion. Call Dermatology at 874-6181.

Faculty/Staff Badminton Club

Fridays from 6:30-8:30pm in Gym A of the Robert Osborne Centre. Cost is \$15 plus library card. Call John at 822-6933.

Late Afternoon Curling

Space available at Thunderbird Winter Sports Centre from 5-7:15pm. Beginners and experienced curlers welcome. Call Alex at 738-7698 or Paul (evenings) at 224-0835.

**Pacific Spirit Regional Park
Programs**

Autumn program brochures are now available for all-ages as well as children's recreational/nature-study outings. Pick up from the Park Centre at 16th, west of Blanca or the GVRD main office in Burnaby. Call 432-6350.

Botanical Garden

Open daily from 10am-6pm. Free winter admission in effect. Call 822-4208.

**Nitobe Memorial Garden
Restoration**



The long-awaited opportunity to restore the Nitobe Garden to its original character takes place through Mar. 31/93. During this period, the garden will be closed to the public. For more information call 822-8228.

Magnetometer unearths B.C.'s past

By CHARLES KER

For 10 years, UBC Classics Professor Hector Williams and his trusty magnetometer - an instrument that looks part metal detector, part toilet plunger - have scoured the countryside of Greece and Turkey in search

of buried archeological treasure. Together, they have helped locate ancient temples, roads and entire cities.

Last fall, for the first time, Williams wielded the awkward wand over Canadian soil and identified another city of sorts.

"We won't know for sure until we get down and do some actual digging but there are definitely some significant features down there," said Williams, whose assistance was requested by a team of UBC anthropologists at a dig east of Mission.

Michael Blake, an associate professor of anthropology, spent five weeks earlier this year with a crew of students unearthing a skeleton from one of about two dozen burial mounds found on the site.

Blake returned in late October with Williams and a 14-member team to confirm that the area contained more than human bones. The team's week-long project was funded by the Faculty of Arts Teaching and Learning Enhancement Fund.

Designed for mineral exploration, the magnetometer locates buried objects and structures by measuring their magnetism at surface level. A computer printout of readings at Blake's dig shows "conspicuous anomalies" underfoot.

Parallel to the long row of burial mounds, the magnetometer picked up a steady line of magnetic readings that could be hearths, storage pits or clusters of rock on the floors of ancient dwellings.

Remnants from a fireplace unearthed at the site earlier in the summer produced a radiocarbon date of about 2,200 years. A rib bone from the skeleton proved to be about 1,300 years old.

"For the first time ever in B.C. archeology, we now know the age of a burial mound site," said Blake. "We could only guess at their age before."

Further tests of the skeletal bones, believed to be those of a tribal chief, will determine the man's diet.

Kathryn Bernick, one of the arche-



Photo by Charles Ker

Professor Hector Williams, shown here with a magnetometer, pioneered the use of geophysical techniques for archeological discovery at Stymphalos, Greece.

ologists who returned to the site in October, discovered fish bones and charcoal in a water-logged terrace just below the burial area. Blake said the find is important because it provides clear evidence of the existence of ancient fisheries along the river.

"There are no other examples of this in the area," he said. "When more work is carried out it may help us to prove that people weren't just catching fish but smoking, drying and storing them too."

Blake added that use of the magnetometer avoids disturbing the sacred site unnecessarily with digging. And when the shovels are brought out, students can look to the magnetic readings for the best place to start.

Lying opposite the Scowlitz Band reserve at the confluence of the Harrison and Fraser rivers, Blake believes the artifacts and structural features found on the site indicate that it was an important village occupied for at least 2,200 years up until the late 1800s.



ANNOUNCING

"Between Disciplines"

5-6 March, 1993

At the UBC Asian Centre
(1871 West Mall)

This symposium is sponsored by the Faculties of Applied Science, Arts, Commerce, Graduate Studies and Science, and by the Office of the Vice-President for Research.

Friday, March 5th

Dr. Ursula Franklin, distinguished Canadian scientist, educator and humanitarian will give the keynote address at 7:30 pm on Friday. Her title is: "Going Fishing Together - The Practice of Interdisciplinarity." (OPEN TO ALL - NO CHARGE).

Saturday, March 6th

Dr. Julie Thompson Klein, Professor of Humanities at Wayne State and author of *Interdisciplinarity: History, Theory and Practice*, will present the plenary lecture on Saturday at 9:00 am.

March 6th continues with Workshops (by registration) and panel discussions. Some workshop topics are: "Promotion and Tenure for the Interdisciplinary Scholar/Teacher," "Interdisciplinarity and 'Area Studies'," "Constructing the Inter or Multi-disciplinary Research Program," and "Creating New Cross-Faculty Interdisciplinary Programs and Courses." The closing panel, "Incentives and Disincentives for Change," will consider ways of facilitating change at UBC.

Dr. Louise Dandurand (SSHRC) and **Dr. Robert McAlpine** (NSERC) will be participating in the day's work.

Further information on the workshops and registration will be available in January.

Contact:

Dr. S. Grace	Arts	822-9121
Dr. S. Mindess	Applied Science	822-6413
Dr. D. Wehrung	Commerce	822-8558
Dr. L. Ricou	Grad. Studies	822-3380
Dr. J. Sams	Science	822-4214





Notes from the Board of Governors' meeting - November 19, 1992

The Board of Governors, at its meeting of November 19, 1992, approved the following recommendations and received notice about the following items.

NEW & RENEWED APPOINTMENTS

R.L. Evans, Associate Dean, Faculty of Applied Science, September 1, 1992 to June 30, 1995.

M.S. Davies, Associate Dean, Faculty of Applied Science, September 1, 1992 to June 30, 1995.

S. Mindess, Associate Dean, Faculty of Applied Science, September 1, 1992 to June 30, 1995.

J.C. Hogg, Assistant Dean, Faculty of Medicine, July 1, 1992 to June 30, 1995.

James Thompson, Head, Department of Animal Science, July 1, 1992 to June 30, 1997 and Professor, July 1, 1992 without term.

Elvi Whittaker, Acting Head, Department of Anthropology & Sociology,

September 1, 1993 to August 31, 1994.

Eva-Marie Kroller, Chair, Programme in Comparative Literature, July 1, 1993 to June 30, 1996.

Michael Ames, Director, Museum of Anthropology, July 1, 1992 to June 30, 1997.

Don Allison, Acting Head, Department of Educational Psychology & Special Education, September 1, 1992 to December 31, 1992.

Paul Robert Steiner, Acting Head, Department of Harvesting and Wood Science, July 1, 1992 to June 30, 1993.

K. Fletcher, Acting Head, Department of Geological Sciences, July 1, 1992 to June 30, 1993.

David L. Williams, Acting Head, Department of Physics, October 1, 1992 to January 31, 1993.

Eunice Li-Chan, Assistant Professor, Department of Food Science, July 1, 1992 to June 30, 1994.

Mohamed S. Gadala, Associate Professor, Department of Mechanical Engineering, August 1, 1992 to July 31, 1995.

Patricia Duff, Assistant Profes-

or, Department of Language Education, January 1, 1993 to June 30, 1995.

Richard Hegele, Instructor II, Department of Pathology, July 1, 1992 to June 30, 1993.

George Haughn, Associate Professor, Department of Botany, May 1, 1993 to June 30, 1995.

George Tsiknis, Instructor I, Department of Computer Science, November 1, 1992 to June 30, 1994.

Michael Ward, Assistant Professor, Department of Mathematics, July 1, 1992 to June 30, 1994.

Philip Stamp, Assistant Professor, Department of Physics, September 1, 1992 to June 30, 1994.

Jeff Young, Associate Professor, Department of Physics, January 1, 1993 to June 30, 1996.

RESIGNATIONS

The Board accepted the following resignations with regret.

F.G. Berry, Professor, Department

of Electrical Engineering, November 30, 1992.

Gregory Richards, Assistant Professor, Department of Metals & Materials Engineering, December 20, 1992.

Martin Meissner, Professor, Department of Anthropology & Sociology, November 30, 1992.

Dare Baldwin, Assistant Professor, Department of Psychology, June 30, 1993.

James Thornton, Professor, Department of Administrative, Adult and Higher Education, November 30, 1992.

Stan Blank, Professor, Department of Educational Psychology and Special Education, November 30, 1992.

Walter Boldt, Professor, Department of Educational Psychology and Special Education, November 30, 1992.

Geraldine Snyder, Assistant Professor, Department of Language Education, November 30, 1992.

Joe McNeel, Assistant Professor, Department of Harvesting and Wood Science, June 30, 1992.

Gordon Matheson, Assistant Professor, School of Rehabilitation Medicine, June 30, 1992.

W.B. Schofield, Professor, Department of Botany, November 30, 1992.

TENURE

The following faculty member has been granted appointment without term.

Arts
Leslie Arnovick, English

CONFIRMED APPOINTMENTS

The following librarians have been granted confirmed appointments.

Lynne Redenbach
David Reimer

The following Programme Director in the Centre for Continuing Education has been granted a confirmed appointment.

Francis Andrew

SENATE RECOMMENDATIONS

The Board approved the following recommendations from Senate concerning changes in department names and a chair as follows:

School of Rehabilitation Medicine to the School of Rehabilitation Sciences

Department of Biochemistry to the Department of Biochemistry and Molecular Biology

Department of Anaesthesiology to the Department of Anaesthesia

Department of Harvesting and Wood Science to the Department of Wood Science

Chair in Fisheries Oceanography

to the Chair in the Ocean Environment and its Living Resources

PROPERTY

Adoption of British Columbia Building Code

The Board approved a recommendation that effective December 1, 1992, the British Columbia Building Code is adopted for use on the UBC Campus; and that henceforth any amendments or updates recognized and adopted by the Province of British Columbia will be automatically recognized and adopted by the University.

Institute of Asian Research - Building Facilities Program Brief

The Board approved a Facilities Program Brief dated October 1992,

prepared by Campus Planning and Development as a basis for further planning for the Institute of Asian Research Building.

Central Library - Phase I

A Predisign Report dated October 1992 (Volumes 1 and 2) for the Central Library - Phase One which had been prepared by the collaborative of Aitken Wreglesworth Associates and Arthur Erickson was approved as the basis for further planning and detailed design of the project.

Marine Drive Parkade

The University Administration was authorized to apply to the Minister of Advanced Education, Training & Technology and the Minister of Finance (as required under Section 55

(1) of the University Act) to borrow funds for construction of the Marine Drive Parkade.

In addition, Campus Planning & Development was authorized to proceed with preparation of documents and tendering of the Marine Drive Parkade project which will provide approximately 1,000 parking stalls.

St. Andrew's Hall - Authorization to proceed with Student Housing

Under the terms of the existing lease between the University and St. Andrew's Hall, the Board authorized St. Andrew's to proceed with the design and construction of approximately 66,000 gross sq. ft. of student housing. The University will arrange to borrow funding for the

project from the provincial government on St. Andrew's behalf.

The student housing will be located on the vacant lot next to the theological college. The lot is part of the land leased in 1956 to the College by the University under a 999-year lease. The project is consistent with the mandate set out in St. Andrew's Hall Incorporation Act, and complements the University's objective to develop an environment of living and learning in college settings.

Brock Hall Addition

The Board authorized Campus Planning & Development to proceed with completion of the Brock Hall Addition project using the construction management format.

DRAFT POLICY STATEMENT ON PESTICIDE USE

SUBJECT: Pesticide Use

VICE PRESIDENT RESPONSIBLE: Vice President Administration & Finance

PURPOSE:

To regulate use of pesticides on land sites and buildings under the control of the University.

POLICY:

Pesticides may be used on University land sites and buildings by employees of the University or contractors to the University provided the procedures below for safety, environmental protection and information are followed.

PROCEDURE SUMMARY:

The responsibility for the use of pesticides on land sites and buildings under the direct control of the University rests with Administrative Heads of Units and the use is reviewed by the Chemical Safety Committee under the authority of the President.

Users of pesticides are required to comply with Provincial and Federal

regulations. Research use of pesticides is not exempt from these regulations.

Integrated Pest management (IPM) should be implemented whenever possible. IPM is defined as knowledge of pests and their life cycle to aid in their control through the combination of the use of cultural and biological controls and selective chemical methods. This strategy will minimize pesticide use. Until IPM is taught as part of the provincial certification program, the University will offer courses on IPM to applicators arranged through the Department of Occupational Health and Safety.

Users of pesticides on UBC lands are required to have, or be under continuous audio or visual contact with a person with a current Pesticide Applicator's Certificate.

Supervisors for service licenses are responsible for reporting to the Chemical Safety Committee and the B. C. Ministry of Environment an annual summary of pesticide use which in-

cludes: date of acquisition; amount required; date, place of use and amount used; inventory.

Storage of pesticides conforms to government regulations regarding security of premises, protection of materials from the environment, proper labeling of material, suitable containers for the material and inventory requirements.

Disposal methods of pesticides and their emptied containers follows government regulations and is arranged by consultation with the Chemical Safety Committee.

Warning signs for storage and sprayed areas conforms to the standards set out by the Department of Plant Operations and the Workers' Compensation Board.

DETAILED PROCEDURES:

Please consult with the Chemical Safety Committee Chair, Dr. James Farmer, Department of Chemistry.

DEFINITIONS: None



November 30, 1992

Dear Colleagues:

Some time ago, the University Health and Safety Committee established a project team to develop a policy statement on the use of pesticides on campus.

This draft policy, with emphasis on integrated pest management and selective use of chemicals, represents what is considered to be a reasonable balance between indiscriminate use of these substances and total prohibition of their use.

I would like to take this opportunity to thank the project team members for their work.

Dr. D.J. Farquhar, Chair,
Director, Student Health Services
S.J. Kelly, Co-Chair
Research Scientist, Dept. of Health Care and Epidemiology
George Haid
Head Gardener, Plant Operations
Bob Kantymir
Greenhouse Manager, Dept. of Botany
Dr. John A. McLean
Professor, Dept. of Forest Sciences
Dr. R. Morrison, Associate Professor,
Dept. of Radiology, Nuclear Medicine Division
Christia Roberts
Greenhouse Manager, Dept. of Plant Sciences
Tom Wheeler, Horticulturist, UBC Botanical Gardens

Your suggestions/comments on the draft are invited by December 31, 1992. Please direct them to Libby Nason, c/o President's Office.

Yours sincerely,

David W. Strangway

Psychologist develops interview method for child victims of crime

By CHARLES KER

John Yuille's move into forensic psychology was prompted, in part, by a desire to get out of the lab.

After more than a decade of laboratory-based research on human learning and memory, the UBC Psychology professor wanted to experience something "more real-world."

Today, 12 years later, he has established himself as a leading expert in the often all-too-real world of memory and crime; in particular, children and crime.

"No one had ever investigated a child victim's or witness's memory for crime," said Yuille. "Researchers had used students pretending to be witnesses to pretend crimes, but never the real thing."

In the mid-1980s, as Canadian incidents of child abuse began to surface with alarming regularity, Yuille learned that there was no set procedure for interviewing the children involved. This discovery prompted him to develop the first systematic method for obtaining a true account of a child's recollection of a crime.

Yuille's "step-wise interview" has since been adopted as the standard interviewing technique in Nova Scotia, New Brunswick and Quebec, the states of Colorado and New York, and overseas in England and Wales. And as interest in the step-wise program escalates, so too have the demands on Yuille's time.

Earlier this year the professor presented his research to England's House of Lords and appeared as an expert analyst on the CBS TV news program 60 Minutes.

Last month, he spent five days training police and social workers in the suburban community of Martinsville, Saskatchewan, where seven adults, including the former police chief, are accused of sexually assaulting children at a local daycare. Yuille was brought in as a special consultant to assess the quality of the police interviews.

"The sad fact is that most police and social workers have no prior training with these types of situations," said Yuille. "They rely on trial and error, which is costly not only to any criminal investigation, but more importantly, to the victims themselves."

A recent survey conducted by Yuille of child interviews performed in several B.C. communities found that many interviewers fail to establish a rapport with the child, commonly use leading questions and are often embarrassed about what they have to discuss.

The step-wise program counteracts these tendencies by allowing the children to retell their version of events without unnecessary interruption or interference. By reducing the trauma in recollecting a crime, research shows the children reveal more information about an incident.

"Too often an interviewer is looking after a separate agenda rather than helping the child recreate his or her own memory," said Yuille.

While research has shown that more than 90 per cent of abuse claims are valid, Yuille says the few false disclosures nonetheless reflect badly on the credibility of all child testimony.

For the last two years, Yuille's step-wise program has been tested with about 160 police and social service

workers in Burnaby and Prince George. Early in the new year, the Ministry of Social Services, which



Yuille

funded the test, is expected to circulate information on the step-wise program to police and social service agencies across the province.

According to Yuille, feedback from the testing exercise and its 225 videotaped interviews has all been positive. Whether the step-wise method leads to more prosecutions or convictions has yet to be determined.

In the meantime, Yuille is working on a new study examining how mothers cope upon hearing news that their child or children have been abused. For more information call 822-3128.

Participation key to recycling programs

People on campus must feel they are an important part of a larger effort to recycle if such programs are to succeed, a recent workshop at UBC was told.

"Initiatives such as recycling will be successful only if every person behaves as a responsible citizen of the larger community and takes some ownership of the waste management problem," said Bill Fomich, chair of the Greater Vancouver Regional District's solid waste management committee.

Fomich was speaking at a waste reduction and recycling workshop co-sponsored by UBC and the GVRD.

The workshop was designed to give recycling co-ordinators and facilities managers from B.C. colleges and universities an opportunity to gather information and discuss ideas related to waste reduction and recycling.

UBC President David Strangway urged participants to act as leaders at their institutions and help guide administrative responses to environmental problems.

Workshop co-host Brenda Jagroop, UBC's waste reduction co-ordinator, said educational institutions can play an important role in leading future generations toward more sustainable social goals.

She stressed the need to utilize ex-

isting administrative and academic resources when organizing a campus waste reduction program.

Dick Buggeln, waste reduction co-ordinator at the GVRD, and the other workshop co-host, said co-operation among students, faculty, staff and administration are key ingredients for

the success of a program.

Other invited speakers discussed topics related to waste reduction and recycling including: program evaluation and communication; the waste audit process; an in-depth case study of Kwantlen College's recycling efforts; and available funding and information resources.

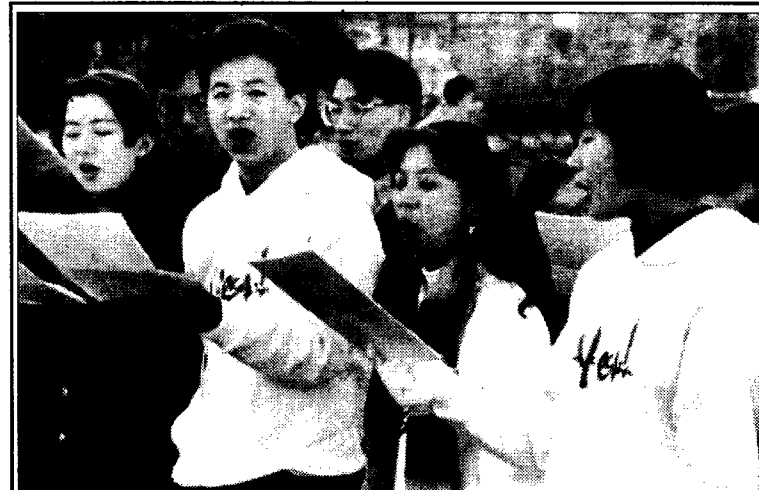


Photo by Charles Ker

FESTIVE SPIRIT

Members of the UBC Chinese Christian Fellowship took advantage of recent good weather to do a bit of carolling on Main Mall.

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STUDENT DISCIPLINE

Under clause 58 of the University Act the President of the University has authority to impose discipline on students for academic and non-academic offences. In the past the nature of the offences dealt with and the penalties imposed have not been generally made known on the campus. In 1991 it was decided that a summary should be published on a regular basis of matters referred to the President and of the discipline, if any, imposed without disclosing the names of the students involved.

This is the second summary. It covers the period March 1, 1992 to September 30, 1992. For each case, the events and the discipline, if any, imposed are set out below.

1. In an examination a student had formulae programmed into a calculator. In the exceptional circumstances of the case it was decided that discipline should not be imposed.
2. A student while intoxicated entered a university building and took away some equipment. The student was required to pay the value of the equipment to the university and a letter of reprimand was placed in the student's file.
3. In an examination a student had formulae programmed into a calculator. In the exceptional circumstances of the case it was decided that discipline should not be imposed.
4. A student, who it was established had attended a mid-term examination, did not hand in a paper and alleged he had not been at the examination. He was awarded a mark of zero in the course, and suspended for four months.*
5. A student took a "crib sheet" into an examination. He received a mark of zero in the course and was suspended for six months.*

* In all cases in which a student is suspended a notation is entered on the student's transcript. At any time after two years have elapsed from the date of his or her graduation the student may apply to the President to exercise his discretion to remove the notation.

Normally students under disciplinary suspension from UBC may not take courses at other institutions for transfer of credit back to UBC.

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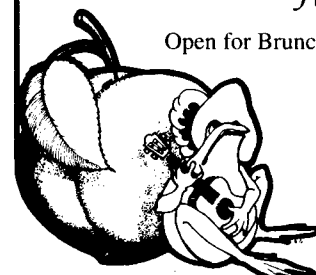
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Classified advertising can be purchased from Community Relations. Phone 822-3131. Ads placed by faculty, staff and students cost \$12.84 for 7 lines/issue (\$1.81 for each additional word). Off-campus advertisers are charged \$14.98 for 7 lines/issue (\$2.14 for each additional word). (All prices include G.S.T.) Tuesday, January 5 at noon is the deadline for the next issue of UBC Reports which appears on Thursday, January 14. Deadline for the following edition on January 28 is noon Tuesday, January 19. All ads must be paid in advance in cash, by cheque or internal requisition.

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LONDON, ENGLAND: Two bedroom fully furnished apartment for rent. Pleasant area of North London, 25 minutes from London University by public transit. Perfect for a sabbatical. Available mid-February, 1993 for up to a year. Contact John Calvert, 2548 Yale St., Vancouver, B.C., V5K 1B9. Tel 604-255-6601.

Canada a leader in pay equity

By CRAIG RIDDELL

Canada's experience with pay equity (also referred to as comparable worth or equal pay for work of equal value) is of interest for several reasons.

Perhaps foremost, Canada has gone further than any other country in adopting and implementing the policy. Second, the debate in Canada has largely gone beyond whether the policy should be adopted, to how it best should be implemented — the issues of design, implementation and administration are at the forefront of the policy debate. In addition, the policy has been in place in some jurisdictions for a sufficient time that some lessons are emerging.

Finally, the viability of a broad application of pay equity will be tested as Canada increasingly faces global competition, especially under free trade with the United States, where such policies have been put on hold.

Pay equity rests on job evaluation procedures and should be distinguished from conventional equal pay which limits comparisons to the same occupation, and to substan-

tially similar work. All Canadian jurisdictions have equal pay legislation. Most have more recently adopted some form of pay equity, generally restricted to the public sector, either legislatively, or in practice.

In Quebec and the federal jurisdiction, where the legislation applies to the private sector, almost all cases have been in the public sector. In jurisdictions where the legislation is restricted to the public sector, it is generally proactive in that employees are required to initiate job evaluation procedures and provide the wage adjustments to achieve pay equity, whether or not a complaint has been made, or there is prior evidence of discrimination. Ontario is unique in the world, in that pay equity is both proactive and applies to the private sector.

Pay equity has the potential to reduce a substantial portion of the female-male earnings gap (perhaps one-quarter to one-third of the gap) because it can deal with earnings differences that arise from occupational segregation.

Empirical evidence indicates that occupational segregation accounts for a larger component of the gap than

does wage discrimination within the same occupation, and especially within the same establishment. However, because pay equity legislation applies only to earnings differences in the same establishment, it does not deal with that portion of the gap that arises because of the segregation of women into low wage establishments and industries. The scope of pay equity is also limited by situations where male comparator groups do not exist, and by earnings differences arising in mixed or predominantly male occupations.

Perhaps because they are relatively new, pay equity initiatives have not yet been subject to any comprehensive analysis of their impacts. However, some generalizations can be made based on more limited information:

1. Earlier policies of equal pay for equal work had no impact on narrowing the male-female earnings gap, perhaps because their scope was limited to complaints based on comparisons within the same occupation and establishment.

2. The complaints-based pay equity systems that have been in place in Quebec and the federal jurisdiction since the late 1970s have led to few awards so far. However, when they

have been made, the magnitudes of the wage awards have been substantial, generally 10 per cent or more.

3. In the proactive system that has been in place in the Manitoba civil service since 1985, pay equity adjustments were in the neighborhood of 15 per cent in the female-dominated jobs, and this amounted to about 3.3 per cent of payroll over a four-year period. The adjustments raised the overall ratio of female to male wages in the civil service from .82 to .87, thereby closing about 28 per cent of the earnings gap.

4. Although systematic information on adjustments under the proactive Ontario legislation is not yet available, the magnitude and diversity have been substantial in the cases reported to date. Settlements have ranged from \$400 to more than \$13,000 in annual earnings, and average about 20 per cent.

5. While there is this selective evidence on the impact of pay equity adjustments on the wages of recipients, there is no Canadian evidence on indirect effects such as: disemployment effect for recipients; effects on total employment of men and women; impacts on occupational

segregation as women may tend to stay in the now higher wage female-dominated jobs, but males may also enter them in response to the higher pay; and the impact on the collective bargaining process and its outcomes.

In most aspects of social and labor market policy, Canada's approach falls between that of the U.S. and that of much of Europe. Pay equity is an exception to this rule of thumb. Views on the wisdom of this policy range widely — from those who are strong advocates, to those sympathetic with the objective but skeptical that the policy will achieve its goals, to those strongly opposed to this intervention in wage determination. Clearly the Canadian experience with this policy experiment bears continued watching.

Craig Riddell is head of the Dept. of Economics at UBC. His forum piece is based on an article co-authored with Morley Gunderson of the University of Toronto titled *Comparable Worth: Canada's Experience*, published in *Contemporary Policy Issues*, Vol. 10, July 1992.

Teaching guide to help integrate students with disabilities

Tape-recorded textbooks, oral exams and volunteer notetakers are just some of the suggestions outlined in a handbook aimed at helping UBC professors, instructors and staff integrate people with disabilities into classroom and campus life.

Produced by UBC's Disability Resource Centre (DRC), *Teaching Students with Disabilities* is a compact, 70-page reference guide which has been sent to more than 2,000 faculty and staff.

"When teaching students with disabilities, it's important to consider the communication needs of the student," said Ruth Warick, DRC director. "In the case of blind students, when pointing to a flip chart, it is essential to also verbalize the information."

Warick said the handbook was written as a practical guide to assist faculty and staff in providing the nec-

"When teaching students with disabilities, it's important to consider the communication needs of the student."

- Ruth Warick

essary accommodations which enable disabled students at UBC to meet and maintain the academic standards of a

program.

The handbook defines several major categories of physical disabilities and offers practical advice on such things as how to vary the format of assignments and examinations.

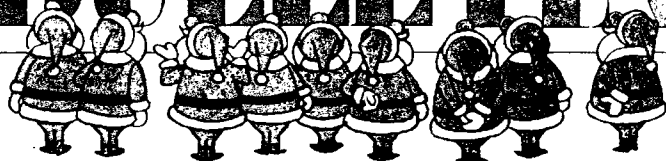
The teaching handbook was the primary resource during a recent instructional seminar sponsored by the DRC for faculty and other teaching staff. The DRC has also

delivered a series of training sessions on disability awareness and instructional strategies for student services and library staff. More seminars are planned in other parts of campus in the coming year.

The DRC is also putting together an information handbook for students with disabilities who want a detailed account of services that are available on campus.

Copies of the faculty handbook are available by contacting the DRC at 822-5844.

BULLETIN



UBC FOOD SERVICES CHRISTMAS 1992

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ARTS 200 (in Buchanan Lounge)	Dec. 4/92	Jan. 4/93
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