

## Students to register at UBC by phone

by Lorie Chortyk

Students enrolling in the 1988 spring and summer sessions will make UBC history as they become the first students to register at the university by telephone.

TELEREG, UBC's new telephone registration system, opens March 15 for spring and summer session enrolment.

The new system has enormous benefits for both students and faculty, according to Acting Registrar Alan McMillan.

"Students can register up to three months before the start of the winter session using a touch-tone telephone anywhere in the world. They can also make adjustments to their programs throughout the registration period by making a phone call."

The average registration call is expected to take between three and five minutes.

For departments, McMillan said the system offers accurate, up-to-date information on the number of students registered in their courses before classes start, as well as the ability to control enrolment in each course and section.

McMillan said the system should also relieve some of the workload placed on Registrar's Office staff in early September.

"Other universities using telephone registration have reported reductions of up to 50 per cent in the number of course changes made after registration."

McMillan said the Registrar's Office usually handles about 50,000 course changes in the first three weeks of classes each fall.

The Registrar's Office plans to keep TELEREG lines open seven days a week during the registration period to make the system as convenient and accessible as possible. With 32 lines, it can handle about 480 calls per hour.

Because TELEREG responds to the different tones generated by a touch-tone phone, rotary dial and pulse push button phones will not work with the system.

The Registrar's Office has just completed a series of test runs of the system conducted by a sample group of students. Hands-on training sessions for faculty members, department advisors and administrative staff have also begun.

Information on how to use the system will be sent to new students following their notification of acceptance and to returning students at the end of each session. Registration for winter session classes begins June 15.

## Scientists go for the gold

The Science Council of B.C. is accepting nominations for its 1988 Gold Medal.

There are four categories in which nominations can be made: Natural Sciences, Health Sciences, Applied Science and Industrial Innovation. On rare occasions, the Medals Committee will accept applications in other categories.

Nominators should send a letter explaining why the person or team deserves to be singled out. Each nomination must be supported in writing by a minimum of two people - at least one must be from an organization where the nominee works.

Nominations must be sent to: The Science Council of British Columbia, Suite 100-3700 Gilmore Way, Burnaby, B.C., V5G 4M1, no later than March 31.

Last year, UBC professors Peter Hochachka and Roy Nodwell were awarded the medals, established by the Science Council to increase public awareness of the achievements made by scientists and engineers in the province.

### Breaking barriers

## Natives face unique challenge

by Gavin Wilson

Renate Auger has her hands full as a third-year law student and a single mother of six children. Being a native Indian hasn't made tackling a law degree any easier.

"I've probably seen the underbelly of the beast more than most law students," she admits.

Auger is one of about 150 native Indians enrolled at UBC, mostly in programs designed to attract native students. A tightly knit and mutually supportive group, they still face struggles unknown to most other students.

"I've had some advantages, I guess," says the 43-year-old mother of six daughters, aged seven to 23. "But maybe I'm just unusually pig-headed. I see it as a very special gift to be able to raise so many future mothers. Maybe it's given me the courage to persevere."

Beverly Scow, a third-year Arts student and president of the Native Indian Student Union, says most native students on campus come from reserves, where poverty, remoteness, alcohol problems and poor education conspire to drive many young people away from the opportunities of the classroom.

"The whole sociological background is not good for education, for being an achiever," she says. "The people who are here have broken down a lot of barriers."

Scow's own family has its pioneers. Her uncle, UBC law graduate Judge Alfred Scow, was the first native Indian in Canada called to the bar and the first to sit on the bench. Grandfather William Scow was president of the Native Brotherhood in the 1950s when it was a powerful voice for native rights.

UBC has programs in two faculties, education and law, which encourage native students with courses aimed at native interests and, in the case of law, flexible entry requirements.

The law school has graduated twice as many natives as any other in the country, including Atlin MLA Larry Guno.

But there can be a price to be paid. Law student Mike McDonald, a Metis from Manitoba, says it's not easy for a native Indian to adjust to the competitive environment of a faculty such as law.



UBC native Indian students Beverly Scow, president of the Native Indian Student Union, and Ron Peigan, president of the Native Law Students Association of Canada

"You have to adapt to a different way of thinking, but you still have to remember who you are. That's the difficult part," he says.

Sam Stevens, a law instructor who heads the native Indian law program, says it's all uphill for native students at university.

"It's like comparing a three or four mile run to a marathon. They have to try harder."

Although law is a popular choice among native students at UBC — 17 are currently enrolled — more than 100 are in education. Others are enrolled in nursing, computer science and anthropology. There are 20 graduate students and about a dozen faculty members who are native Indian.

The Native Indian Teacher Education Program began in 1974 and has since graduated 100 teachers.

Despite its success, native educator Verna

Kirkness says enrollment should be put into perspective. If native Indians attended university in proportion to their numbers in the general population, there would be 1,200 here.

Kirkness is director of the First Nations House of Learning, a campus body set up to look at ways of increasing native enrollment and broadening program and course offerings in other faculties. Medicine, forestry and commerce are among those which have expressed interest.

But plans to give more access to post-secondary education for native Indians come at a time when the federal government has capped funding available for native education bursaries.

The Native Indian Student Union is holding a Native Awareness Week on campus, beginning March 14.

## Commitment made to equity plan

by Jo Moss

UBC has joined a new federal employment equity program which will ensure women, native and handicapped peoples, and visible minorities are fairly represented in the university's work force.

UBC signed a certificate of commitment Jan. 11 and has formed a 12-member President's ad hoc committee to define the program.

The Federal Contractors Program for employment equity applies to all organizations with 100 or more employees which bid on government contracts of over \$200,000.

Albert McClean, associate vice-president academic and committee member, said the university will be appointing an employment equity officer to advise on program implementation.

"We first have to establish a campus profile to determine what groups are already on campus," McClean explained.

Current statistical information provides the number of women, but identifying people who are handicapped, aboriginal or who belong to a visible minority presents a problem. Compiling that kind of information violates B.C.'s Human Rights Act. McClean said the university has been granted an exemption by the B.C. Human Rights Commission to carry out this review.

"The federal government recommends self-identification to establish the workforce profile," McClean said. "We want to make it clear to the campus community why those questions are being asked. We want the initial stage of self-identification to be done carefully so that the equity program gets off to a good start."

The committee's next step will be to determine B.C.'s demographics and establish reasonable goals for the number of women, native people, handicapped people and visible minorities that could be working on campus.

Unlike the American affirmative action program which has federally set quotas, each

Canadian business or institution is required to research and set their own hiring goals.

The committee will also examine current university hiring practices to ensure they don't inhibit employment of the four groups. It will then recommend steps the university should take to implement and monitor hiring equality.

"Other universities haven't found any intentional barriers in hiring policy, but there may be practices which are inhibiting," McClean explained.

Federal program guidelines provide for the

## Mill workers' histories studied for cancer clues

by Debora Sweeney

A UBC epidemiologist is painstakingly tracing the job histories of 40,000 B.C. sawmill workers to determine how many of those who came in contact with chlorophenols died of, or developed, cancer.

The \$500,000 study, largely funded by Health and Welfare Canada, is the most comprehensive research ever undertaken into the effects on humans of chlorophenols and their biproducts, dioxins, said Dr. Clyde Hertzman.

"The sawmill workers in B.C. who have worked with chlorophenols over the last several decades are the largest identifiable group in the world," said Hertzman.

Chlorophenols are contained in fungicides which control the growth of sap stain fungi on lumber. When most softwood lumber is not sap stain controlled, the fungi grows and discolors the wood so that when it reaches its export destination, it has turned black.

Since questions were first raised about the

government to inspect the university's books.

"They check to make sure the university has set bona fide goals and is taking reasonable and sensible steps towards implementing those goals," McClean explained. Failure to satisfy the federal review can result in a withdrawal of bidding privileges.

McClean could not say when UBC's equity program would be fully implemented.

"It's a lengthy process and most other universities are at the stage we are. It's difficult to say," he said.

cancer-causing effects of chlorophenols nearly a decade ago, policymakers have decided to limit or eliminate them, explained Hertzman.

But, there is little hard evidence to back suspicions that chlorophenols cause cancer in humans. "All we really know is that there are a couple of different kinds of dioxins which cause cancer in animals and there is some evidence that chlorophenols are toxic to fetuses."

Collaborating with researchers from the Cancer Control Agency and with industrial hygienist Kay Teschke, Hertzman is delving into the job histories of workers at eight B.C. coastal sawmills, including three in the Vancouver area and five on Vancouver Island.

The jobs that involve the handling of chlorophenated wood include loading and flipping wood that has been sprayed, maintenance jobs where people come in contact with contaminated equipment, and working in or around a mill where contaminated sawdust floats in the air.

Mill continued on Page 2

# Funds sought to double size of investors class

by Jo Moss

Commerce professor Robert Heinkel wants to double participation in the widely acclaimed Commerce Faculty's Portfolio Management Society program but to do so he needs twice as much capital.

The student-run investment management program allows 12 students to manage real money in a real-life financial market. Two years old, and enormously successful, the program is unique in Canada.

The fund currently stands at about \$500,000—large enough, Heinkel says, to allow students to handle all major types of market transactions. With two funds of that amount, more students can participate, he said.

"Because there are so many outstanding

## Quail used to find cause of disease in humans

by Lorie Chortyk

The Quail Genetic Stock Centre on campus is breeding a specialized line of quail that could help UBC researchers unravel the mysteries of atherosclerosis, one of the leading causes of death in North America.

Dr. David Godin, a professor of pharmacology in UBC's Faculty of Medicine, is using two strains of quail — one bred for high susceptibility to atherosclerosis and the other for high resistance to the disease — to gather information on the chemical and biochemical changes that take place in cells as the disease progresses. He's hopeful the new information will lead to more efficient treatment of the disease.

Atherosclerosis, the build-up of cholesterol and other fat-like substances in blood vessels, can lead to strokes, hardening of the arteries and other serious heart complications. Godin said current methods of treating the disease are inadequate.

"Atherosclerosis is currently treated by modifying a patient's diet, such as lowering cholesterol intake and by reducing smoking and other risk behaviors," said Godin. "But we know these measures are only partially successful in coping with the disease."

One of the key factors Godin will study is the role of oxidation in atherosclerosis.

"Previous studies suggest that some sort of oxygen-dependent reaction takes place in the blood that causes the disease to progress," he said. "We may be able to slow down, or even prevent the disease if we can block these reactions."

Godin hopes to do this by using chemicals called anti-oxidants, which stop oxygen reactions from occurring in the blood.

He will also study calcium build-up in the arteries, another major contributor to atherosclerosis.

"If we can deal with these three factors — preventing cholesterol and calcium build-up and blocking oxygen-dependent reactions in the blood I think we could be on our way to controlling the disease."

UBC animal scientist Kimberly Cheng obtained exclusive Canadian rights to breed the specialized quail from North Carolina State University. Cheng plans to make the birds available to other universities and research laboratories across Canada.

He said quail are the most useful animal available for atherosclerosis research because unlike other animals, the disease reacts in a similar way in quail and humans.

Large pharmaceutical companies in the U.S. are breeding their own lines of quail in the race to develop drugs to treat atherosclerosis, according to Cheng.

Godin and UBC graduate student Darren Dahlman have just completed a pilot study for the project. They hope their research will lead not only to better treatment of atherosclerosis, but also to early identification of patients who might develop the disease.

## Mill from Page One

"We've done urine sampling at a couple of mills and we've found there are very few jobs involving no exposure whatsoever," said Hertzman.

The bulk of the research will be a "massive exercise in stenography." Going back as far as the mid-1940s, researchers will enter data from job records into a computer, defining when the workers were first exposed to the contaminants, then following them forward in time. That information will be linked with the B.C. death registry and with the province's cancer incidence database. It will be compared with general population rates and with "control mills" where no chlorophenols are used. The study is expected to take three years.

students among the more than 130 who applied to the program this year, we'd like to have twice as many students in the program. However, 12 students are too large a group to reach a consensus on investment decisions," he said.

According to Heinkel, one important measure of the success of the program is the demand for graduates by the Canadian investment community. As well as hiring outstanding students, employers, reap direct benefits by saving the thousands of dollars it costs to train new investment managers.

The first six graduates from the program were snapped up by companies such as the Royal Bank, Pemberton-Houston-Willoughby and Chrysler Canada.

"The investment community is small and intertwined. Those companies see it as being beneficial to both the university and their interests," Heinkel said. "However, there are several other donors who are donating for altruistic purposes."

When 35 investment companies across Canada volunteered to help start up the new PMS program, Heinkel said he was completely overwhelmed by their enthusiasm.

"I never thought the investment community would be that interested. But they have spent so much time and energy with the students," he said.

Volunteers from investment businesses act as advisors and mentors, sit on a client committee, conduct seminars, provide summer jobs, and evaluate the program's performance. They also donated more than \$300,000 to set up the initial capital.

Six third-year students pair up with six fourth-year students to manage the PMS fund, however the fourth-year students have final responsibility for investment decisions. Each student spends two academic years learning how to apply classroom experience to a real investment situation, and two summers working in an investment business.

In 1987, the student-run fund outperformed 60 per cent of Canadian portfolios. Despite October's Black Monday stock market crash, the fund averaged a 5.2 per cent overall return for the year as compared to the average Canadian portfolio return of 4.4 per cent.

"The students have demonstrated a growth and maturity in this program that's incredible," Heinkel said. "We're seeing outstanding students working with the top people in the community and learning what it takes to be successful."

Once the fund is large enough to generate substantial income, the money is earmarked for research support in the faculty. Heinkel said that income now barely covers PMS expenses such as the cost of sending students to summer jobs in Toronto.

## UBC geneticist participates in major discovery

by Debora Sweeney

A UBC clinical geneticist is part of an international team of scientists whose research has led to a major discovery — that a single gene may determine whether a human embryo will grow into a male or a female.

Dr. Barbara McGillivray's involvement stems from her work at UBC's medical genetics clinic at Grace Hospital, where she sees infants, children and adults who have what is called, "ambiguous genitalia," or sex reversal. Doctors are not sure whether they are chromosomally male or female.

The deciding difference in genetic endowment between male and female has long been known to lie on the Y chromosome — the male sex chromosome. But, McGillivray said she began to see male patients whose chromosomes did not match their sex.

That is when she collaborated with the team led by Dr. David Page, a research fellow at the Whitehead Institute for Biomedical Research at the Massachusetts Institute of Technology in Cambridge.

"We sent DNA from seven males to Dr. Page to ask if he could find any evidence of Y material," said McGillivray.

What Page found on the X chromosomes was a gene containing the Y material, which he named TDF for testes determining factor. It is believed the gene acts as a biological switch which triggers a complex series of events leading to the sexual development of an embryo.

Whenever TDF is present in the chromosomes of the fertilized egg, Page's team believes, the fetus will develop testes and grow to be a male. When it is absent the fetus will develop ovaries and become a female.

According to McGillivray, the discovery of TDF might lead to the identification of other genes for sex determination that are scattered throughout the chromosomes.



And how are the wife and kids? UBC dental students use SIMLAB — a mock-up of a set of teeth. UBC is the first in Canada to use this mock-up, now accepted by the World Health Organization.

## Law panel discusses balance of rights

by Gavin Wilson

It will be "disastrous" for the status of Canadian women if the legal system attempts to balance their rights against those of fetuses, says a UBC associate law professor.

"You can't treat women as if they were fetal containers," said C. Lynn Smith in an address to the third annual conference on law and contemporary social issues held on campus Feb. 12 and 13.

Smith made her remarks during a panel discussion on issues arising from the "Baby R" case, in which the Ministry of Social Services seized a child before birth. The panel agreed to avoid direct reference to the abortion issue.

Voicing a different view was Eike-Henner Kluge, a professor of ethics at the University of Victoria and a member of the ethics advisory panel for the B.C. Health Ministry.

He said that a fetus develops a sufficiently complex central nervous system by the age of 20-24 weeks to gain status as a person, with accompanying rights that must be balanced against the mother's.

"The right to life takes precedence over the right to quality of life," he said. "Now you have two persons, and that gives a clear permission for certain interference by the state."

Smith said that in the United States, emphasis on the rights of the fetus has led to the arrest of pregnant women who are reported drinking too much alcohol. In at least one U.S. case, a woman was forced to undergo a Caesarian section in the interests of the fetus.

"We ought to see the fetus connected to the mother, not as an individual," Smith said. "The

most positive approach to take to this problem is a holistic one, to discover what we can do to assist women to give birth to healthy babies."

About 550 people attended the conference, organized by law students with the support of faculty.

Four panels of experts discussed topics ranging from maternal/fetal rights and immigration policy to aboriginal fishing rights and legislation proposed to control the spread of AIDS.

The four conference sessions will be broadcast on Rogers Cable 4 television between Feb. 25 and March 22.

## Another award for mini-docs

UBC's national weekly radio series, UBC Perspectives, has received a Grand Medal for Electronic Use of Media Programs from the Council for the Advancement and Support of Education (CASE). The award is given for the best radio, film or video series of the year.

The news came close on the heels of a previous announcement that CASE had awarded the series a Gold Medal for radio programming.

CASE, a 2800-member international organization based in Washington, D.C., annually recognizes outstanding university and college communications programs.

## LETTERS TO THE EDITOR

The Editor,

Why did UBC Reports (14 January, 1988) choose to announce the Biely and McDowell awards for research in the sciences in one, separately by-lined report ("Top Research Awards") while relegating parallel awards presented by the Alumni Association for research in the Social Sciences and the Humanities to a brief paragraph under People?

Coming from a recipient of one of the latter awards, this question may appear merely self-interested, but in fact the issue goes far beyond any individual ego. It concerns the value that this university places on the social sciences and humanities and the evaluation of these vital areas that we project to our larger community.

On our president's advice, the Alumni Association generously established its research prizes precisely to discourage the impression that research in the social sciences and humanities is a second-class citizen at this university. However, your implied exclusion of the Alumni prizes from the category of "top research awards" unfortunately works against that laudable intention.

Dennis Danielson  
Associate Professor  
Department of English

## Womens groups form alliance

by Jo Moss

Twelve women's groups on campus have formed an ad hoc alliance to deal with university issues of common concern.

History professor Jean Elder, Chair of the Faculty Association's standing committee on the Status of Women and coordinator of the new alliance, said it's the first time in UBC's history such an association has been formed.

Comprised of student, union, administrative and faculty representatives, the alliance is open to any other campus groups who wish to join.

"We've probably missed some groups, in Nursing or Rehabilitation Medicine, for example," Elder said.

Two issues the alliance is currently involved with are the university's proposed sexual harassment procedures and the funding of women's athletics. A member of UBC's Ad hoc Committee for Sexual Harassment Procedures, Elder said the alliance is discussing the implications of the sexual harassment procedures and has an interest in the nominations to the proposed sexual harassment committee, hearing panel, and officer positions.

The alliance has also expressed its concern to the President's Office about the unequal funding of women's athletics, calling for a more even distribution.



# UBC Calendar

## SUNDAY, FEB. 28

### UBC Symphony Orchestra

Sponsored by the School of Music. Gerald Stanick, director. Free. For information call 228-3113. Old Auditorium, Music Building. 2:30 p.m.

## MONDAY, FEB. 29

### B.C. Cancer Research Centre Seminar

Studies on the Role of Protein Phosphorylation in the Mechanism of Insulin Action. Dr. Roger Brownsey, Biochemistry. For information call 877-6010. Lecture Theatre, B.C. Cancer Research Centre. 12:00 noon.

### Free Noon-Hour Films

Sponsored by the Institute of Asian Research. Korean Garments; Traditional Korean Wedding; Sculpture, Korean Folk Dance. For information call 228-2746. Auditorium, Asian Centre. 12:30 p.m.

### Faculty Recital

Sponsored by the School of Music. Anne Elise Keefe, baroque flute; Darryl Nixon, harpsichord. Free. For information call 228-3113. Recital Hall, Music Building. 12:30 p.m.

### Biotechnology Seminar

Monitoring the Transposition of Ac in Tobacco. Dr. Jonathan Jones, Advanced Genetic Sciences, Oakland, California. For information call 228-4838. Room 201, Westbrook Building. 12:30 p.m.

### Plant Science Seminar

Induction of Amylase Production in Wild Oat Endosperm. David Konesky, Plant Science. For information call 228-2329. Room 342, MacMillan Building. 12:30 p.m.

### Mechanical Engineering Seminar

Computer Aided Sculpture. Dr. J.P. Duncan, Mechanical Engineering. For information call 228-4350. Room 1215, Civil & Mechanical Engineering Building. 3:30 p.m.

### Biochemical Discussion Group Seminar

Xenopus Transcript Factor IIIA: Wrapping Protein Fingers around 5e RNA. Dr. Paul Romaniuk, Biochemistry and Microbiology, University of Victoria. For information call 291-4804. Lecture Hall 4, IRC. 3:45 p.m.

### Applied Mathematics Seminar

Calculation of Singular Points in Steady Mixed Convection Flow Through Porous Media. Dr. H.J. Weinischke, Applied Mathematics, University of Erlangen, West Germany. For information call 228-4584. Room 229, Mathematics Building. 3:45 p.m.

### Astronomy Seminar

Active Galactic Nuclei. Dr. M. Ward, University of Washington, Seattle. Coffee at 3:30 p.m. For information call 228-4134. Room 260, Geophysics & Astronomy. 4:00 p.m.

### Physiology Seminar

The Infrastructure of Mitochondria. Dr. P.A. Srere, Biochemistry, V.A. Medical Center, Dallas, Texas. For information call 228-4228. Room 2449, Biological Sciences Building. 4:30 p.m.

### Video Night

Sponsored by the Graduate Student Society. Citizen Kane & Last Tango in Paris. Free. For information call 228-3203. Fireside Lounge, Graduate Centre. 6:00 & 8:00 p.m.

### Classic SubFilms

Sponsored by the UBC Film Society. Shadow of a Doubt. Directed by Alfred Hitchcock. \$2. For information call 228-3697. SUB Theatre, SUB. 7:00 & 9:30 p.m.

### UBC Stage Band

Sponsored by the School of Music. Ian McDougall, director. Free. For information call 228-3113. Recital Hall, Music Building. 8:00 p.m.

## TUESDAY, MAR. 1

### Botany Seminar

Some Aspect of Plant Biotechnology - Title TBA. William L. Crosby, Plant Biotechnology Institute, Saskatchewan. For information call 228-2133. Room 2000, Biological Sciences Building. 12:30 p.m.

### Classic SubFilms

Sponsored by the UBC Film Society. The Homecoming, by Harold Prince. \$2. For information call 228-3697. SUB Theatre, SUB. 12:40, 7:00 & 9:30 p.m.

### Chemistry Seminar

Atomole Amino Acid Analysis - Capillary Separation and Laser Detection. Professor Norman J. Dovichi, Chemistry, University of Alberta. Coffee at 12:30 p.m. For information call 228-3266. Room 250, Chemistry Building. 1:00 p.m.

### Electrical Engineering Seminar

An Overview of Two-way Satellite Communications Systems. Mr. Peter van der Gracht, President, The Nexus Group of Companies. For information call 228-2866. Room 410, Electrical Engineering Building. 1:30 p.m.

### Oceanography Seminar

Determining Wave Directional Spectra by Beamforming Techniques. Dr. R. Marsden, Physics, Royal Roads Military College. For information call 228-5210. Room 1465, Biological Sciences Building. 3:30 p.m.

### Geological Sciences Seminar

Application of Statistics and Geostatistics at Byron Creek: A Complexly Deformed, Actively Mined Coal Deposit in S.E. British Columbia. B. Nolan, ESSO Resources Canada Ltd. For information call 228-6179. Room 330A, Geological Sciences Centre. 3:30-4:30 p.m.

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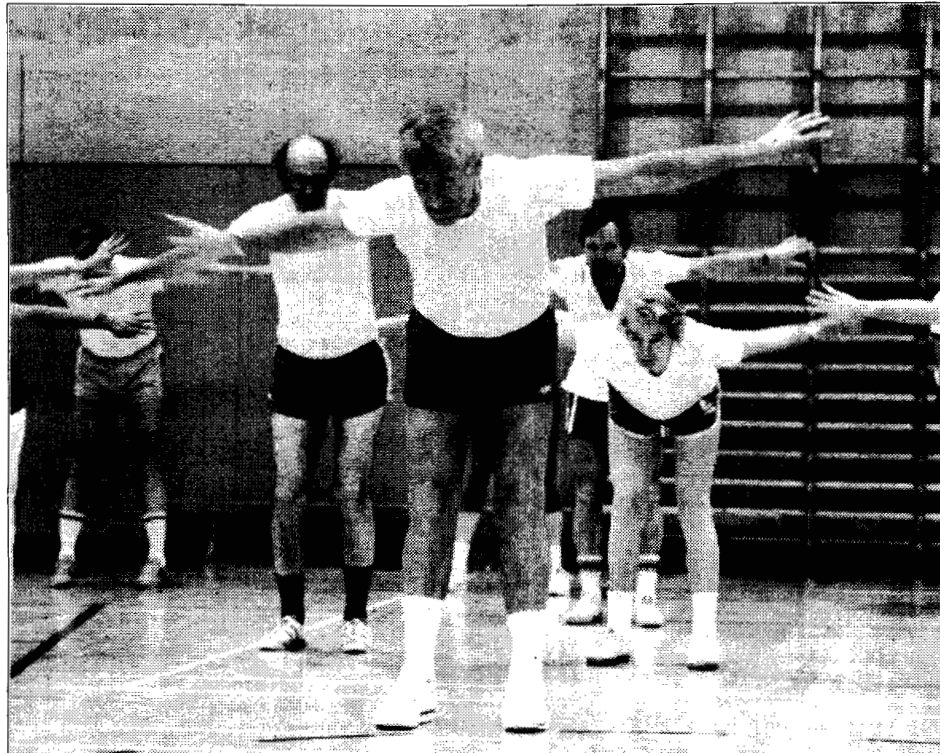


Photo by Warren Schmidt

Physical Education professor Stanley Brown enjoys leading lunchtime exercise classes. He is retiring in July at age 65 after 25 years on the job.

### Biotechnology Seminar

Influence of Sequences Downstream of the Translation Initiation Codon on the High Level Expression of a Petunia rbcS Gene. Dr. Caroline Dean, Advanced Genetic Sciences, Oakland, California. For information call 228-4838. Room 2000, Biological Sciences Building. 4:00 p.m.

### Financial Planning Seminar

Sponsored by the Faculty Association and Centre for Continuing Education. Financial Planning for the Future. Nancy McKinstry, Financial Advisor & Accounts Executive, Odium Brown Ltd. Open to Faculty Association Members & Spouses; FREE. For information call 222-5270. Room 1100, Mathematics Annex Building. 4:30-6:00 p.m.

### Lecture Series for Physics Teachers

Applied Physics Program at TRIUMF. R.R. Johnson. For information call TRIUMF Information Office at 222-1047. Free parking beside TRIUMF Buildings. TRIUMF Auditorium. 7:00-9:00 p.m.

### Our Common Future Lecture Series

Sponsored by the Environmental Interest Group. The Urban Challenge. Dr. Peter Oberlander, Director, Center for Human Settlements. For information call 224-0299. Lecture Hall 2, IRC. 7:30-9:30 p.m.

## WEDNESDAY, MAR. 2

### Pharmacology & Therapeutics Seminar

Genomic Organization. Dr. D. Bailey, Biological Sciences, SFU. For information call 228-2575. Room 317, Basic Medical Sciences Building, Block C. 12:00 noon.

### Wednesday Noon-Hour Series

Sponsored by the School of Music. Tom Parriott & Ray Kirkham, trumpet; Edward Norman, organ. Admission by Donation. For information call 228-3113. Recital Hall, Music Building. 12:30 p.m.

### Forestry Seminar

The Functioning of the Western States Legislative Forestry Task Force. Mr. James B. Corlett, Executive Director, Western States Legislative Forestry Task Force, Portland, Oregon. For information call 228-2507. Room 166, MacMillan Building. 12:30-1:30 p.m.

### Career Planning

1st Session. Margaretha Hoek, Women Students' Office. Pre-registration required at Office for Women Students, Brock 203. For information call 228-2415. Penthouse, Buchanan Building. 12:30-2:20 p.m.

### Ecology/Resource Ecology Seminar

Experimental Studies of Temporary Pond Communities. Dr. Henry Wilbur, Zoology, Duke University. For information call 228-4329. Room 2449, Biological Sciences Building. 4:30 p.m.

### Jazz Live

Sponsored by the Graduate Student Society. Oliver Gannon, guitar. Free. For information call 228-3203. Fireside Lounge, Graduate Centre. 5:30-8:00 p.m.

### Bridge

Sponsored by the Graduate Student Society. Beginners Welcome. For information call 228-3203. Fireside Lounge, Grad Centre. 6:00 p.m.

### Free Lecture Series

Sponsored by Centre for Continuing Education. Health and The New Work Agenda; Planning Future Directions for a New Work Agenda for B.C. Clyde Hertzman, Director, Medicine. For information call 222-5238. Lecture Hall 4, IRC. 7:30-9:00 p.m.

## Calendar Deadlines

For events in the period March 13 to March 26, notices must be submitted on proper Calendar forms no later than 4 p.m. on Wednesday, March 2 to the Community Relations Office, 6328 Memorial Road, Room 207, Old Administration Building. For more information, call 228-3131.

## Talks on Women and Research

Sponsored by the Academic Women's Association. History of Women in Journalism. Dr. Marjorie Lang & Linda Hale; The Women's Studies Programme, SFU, Dr. Mary Lynn Stewart, History, SFU. For information call 228-6477. Room 30, Family & Nutritional Sciences Building. 12:30-1:30 p.m.

## Medical Genetics Seminar

Aberrant Situation of Growth Factor Genes in Myeloid Leukemia. Dr. Kevin Leslie, Biomedical Research Centre. For information call 228-5311. Parentcraft Room, Main Floor, Grace Hospital, 4490 Oak Street, Vancouver. 1:00 p.m.

## Chemical Engineering Seminar

Microbiological Leaching of Chalcopyrite. Ms. A. Blancarte, Chemical Engineering. For information call 228-3238. Room 206, Chemical Engineering Building. 3:30 p.m.

## Economics Seminar

Behavior of the Yen-Dollar Exchange Rate. V. Roley, University of Washington; T. Ito, Minnesota. For information call 228-2748. Room 351, Brock. 4:00-5:30 p.m.

## Beer Garden

Sponsored by the Graduate Student Society. For information call 228-3203. Ballroom, Graduate Centre. 4:30-7:30 p.m.

## DJ Night

Sponsored by the Graduate Student Society. With Mary McAlister. Free. For information call 228-3203. Fireside Lounge, Graduate Centre. 7:00-12:00 midnight.

## UBC Chamber Singers

Sponsored by the School of Music. Cortland Hultberg, director. Free. For information call 228-3113. Recital Hall, Music Building. 8:00 p.m.

## SATURDAY, MAR. 5

### Vocational Testing and Career Counselling

Sponsored by Centre for Continuing Education. Pre-registration required. For information call 681-2910 or 685-3934. Women's Resources Centre, #1 - 1144 Robson Street. 9:30 a.m. or 1:30 p.m.

## UBC Rugby

UBC vs. Kats. For information call 228-2531. Thunderbird Stadium. 2:30 p.m.

## International Food Fair

Sponsored by International House. Various meat and vegetarian dishes; entertainment from Ghana & South America; dance from 9-12 midnight. \$5, \$4 members, \$1 children (under 6). For information call 228-5021. International House. 5:00-9:00 p.m.

## SUNDAY, MAR. 6

### French Immersion Program

All-day French Immersion Program. \$60 includes lunch and dinner. For information call Language Programs and Services, Centre for Continuing Education at 222-5227. Registration at the door is possible for anyone over 18 years of age. Room D339, Buchanan Building. 10:00 a.m.-10:00 p.m.

## MONDAY, MAR. 7

### Centre for Human Settlements Lecture

The First Two Post-War Decades: From Financing Houses to Renewing Cities. George D. Anderson, President, Canada Mortgage and Housing Corp., Ottawa. For information call 228-4818. Room 102, Lasserre Building. 12:30 p.m.

### Plant Science Seminar

Integrated Management of Plant Disease in B.C. Agriculture. Andrea Buonassisi, B.C. Ministry of Agriculture and Fisheries, Cloverdale. For information call 228-2329. Room 342, MacMillan Building. 12:30 p.m.

### Forestry Seminar

Ancient Forests - Priceless Treasures. Dr. C. Maser, College of Forestry, Oregon State University, Corvallis, Oregon. For information call 228-2507. Room 166, MacMillan Building. 12:30-1:30 p.m.

### Mechanical Engineering Seminar

Boundary Element Application for Porous Membranes. C. Keng Yu; Some Structural Dynamical Aspects of the Proposed Space Station. A. Suleman. For information call 228-4350. Room 1215, Civil & Mechanical Engineering Building. 3:30 p.m.

### Biochemical Discussion Group Seminar

The Mapping of Antibodies to Human Factor VIII and IX, and the Expression of Human Factor IX in E. Coli and Animal Cells. Dr. Darryl Stafford, University of North Carolina, Chapel Hill. For information call 228-3027. Lecture Hall 4, IRC. 3:45 p.m.

### Applied Mathematics Seminar

Modified Adams Method for the Solution of Non-Stiff Problems. Dr. Saïdeh Mortezaei, Postdoctoral Fellow, Imperial College, London, U.K. For information call 228-4584. Room 229, Mathematics Building. 3:45 p.m.

### Astronomy Seminar

Radio Sources in Compact Groups of Galaxies. Dr. T.K. Menon, UBC. Coffee at 3:30 p.m. For information call 228-4134. Room 260, Geophysics & Astronomy Building. 4:00 p.m.

### Philosophy Lecture

The Vicissitudes of Virtue. Amelie Rorty. For information call 228-2511. Penthouse, Buchanan Building. 4:00 p.m.

### Economics Seminar

Female Wage Growth in the United States: 1968-1983. Thomas A. Mroz, Hoover Institute & University of Chicago. For information call 228-3320. Room 351, Brock. 4:00-5:30 p.m.

### Preventive Medicine & Health Promotion

Population Attributable Risk on Microcomputer Spreadsheets. Dr. John H. Milsum, Head, Preventive Medicine & Health Promotion. Free. For information call 228-2258. Room 253, James Mather Building. 4:00-5:30 p.m.

### Physiology Seminar

Energetics of Terrestrial Locomotion: From Running Sideways to Exercising without Legs. Dr. R.J. Full, Zoology, University of California, Berkeley. For information call 228-4228. Room 2449, Biological Sciences. 4:30 p.m.