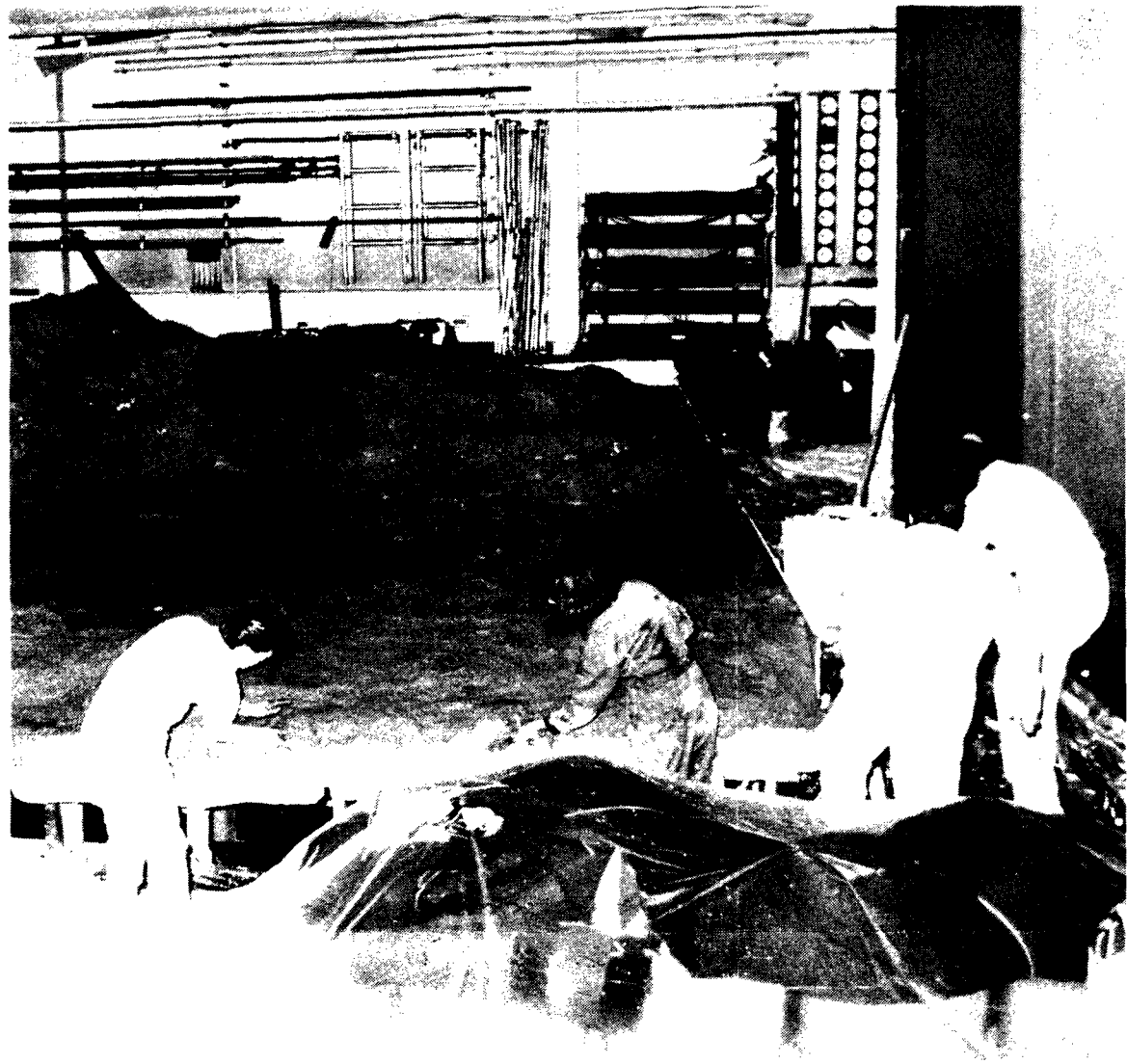


Reports

The University of British Columbia, Vancouver, B.C.

Volume 35, Number 1, Jan. 12, 1989



UBC Theatre department staff and students shape tons of wet concrete poured onto the stage at the Frederic Wood Theatre. Technical director Ian Pratt said the concrete is an unusual, but economical solution for the set of the upcoming production of *Yerma* by Federico Garcia Lorca, which runs until Jan. 21.

'Time to take stock'

Male maladies aren't a joke

By JOMOSS

Forget the jokes about middle-aged men and their mid-life crises--it's no laughing matter.

According to Nursing professor Ray Thompson, between 25 and 80 per cent of men will go through this phase and suffer maladies such as insomnia, loss of appetite and depression.

It's the most critical phase in life, Thompson said, and while it's well-documented in women, it has been largely ignored in men.

"Typically it's someone who is at a midpoint in his life looking back at what he's accomplished. It's a time to take stock, re-evaluate goals, and re-assess relationships. Some men ask themselves, is that all there is? And where do I go from here?" Thompson explained.

"It may be that the person hasn't achieved everything he wanted to. Or perhaps some of his relationships aren't as good as they could be. That can be kind of unsettling--and a real source of distress."

As in women, men's midlife crisis often accompanies normal physical changes of aging such as changing hormone levels. And it involves an increasing

realization that youth is vanishing and physical capacities are diminishing.

It is the most critical of all turning points, or times of re-examination, that occur regularly throughout a man's life, Thompson said. And the widespread lack of recognition and understanding of the situation compounds the man's problems.

Societal pressures prevent many men from seeking medical help for physical complaints unless they are severe, so men rarely seek medical help for the relatively

minor physical symptoms of mid-life crisis, Thompson said.

"A lot of men tend to ignore them. They don't seek help until it's a really big problem," he said.

If they do go to a physician, the symptoms are not likely to be recognized as indicative of something deeper.

Thompson said more health professionals need to be aware of midlife crisis and have more understanding about what men go through. "We don't do a very good job," he said. "We need to be more tuned in to these kinds of developments in adult males."

Being able to talk to an empathetic person can help ease a midlife crisis situation, Thompson said. But if a man doesn't have an understanding partner, little is available in the way of specialized counselling services outside the home.

Problems can become magnified if a man doesn't feel comfortable talking about his feelings, Thompson said. "We need to give men the opportunity to talk about the kinds of things that are going on," he said. "Midlife crisis is a worrying time. It isn't going to wreck your life and yes, you will get through it. People need to understand it's a normal kind of thing."

Arbitration panel expected to decide on pact next month

Arbitration between the university and the Faculty Association will continue this month with hearings scheduled for Jan. 16 and 17.

Hearings by the arbitration panel were earlier expected to wrap up before Christmas, but the panel is now expected to announce its decision on the terms of a new, one-year contract in February.

University seeks advisors to hear complaints on sex harassment

By DEBORA SWEENEY

UBC is seeking nominations for two people to act as sexual harassment advisors within the university community.

"If an individual has or feels that he/she has a complaint with respect to sexual harassment, the first available option and the most appropriate is to discuss the situation with an advisor," said Larry Weiler, Chairman of the President's Permanent Advisory Committee on Sexual Harassment. "The advisor must know the university community and have a significant amount of credibility within the community, and must have panache because sometimes these issues have to be confronted on all sides with a lot of forthright concern."

In addition to assisting people complaining of sexual harassment, the advisors would inform and educate the campus community about the university's policy on sexual harassment and make recommendations on the policy. They would report to the President's Permanent Advisory Committee on Sexual Harassment.

"I think that everyone recognizes that the problem of sexual harassment exists, however we have no idea of the extent of the problem here at UBC," said Weiler. "The reason for establishing a university policy is that we as a community do not

accept that any student, staff or faculty member should have to work or study under conditions where they would be exposed to any form of sexual harassment."

Nominees to the two positions must be regular university employees and must be: able to act objectively and impartially; empathetic; aware of and able to advise on university and community resources; and knowledgeable or willing to learn about sexual harassment issues.

The advisors would be trained to deal with issues on a confidential basis, and would work with representatives from other universities and institutions. As well, the President's Office has allocated resources to ensure part-time relief for advisors from other campus responsibilities.

Nominations must be submitted to Professor Larry Weiler, Chairman, President's Permanent Advisory Committee on Sexual Harassment, c/o President's Office, UBC. Nominations close Jan. 16.

For more information about the Sexual Harassment Advisor positions, contact Dan MacDougall at 228-2369, or Kogila Adam-Moodley at 228-4315.

Weiler hopes the advisors will be chosen by the end of January and that people with complaints could come forward as early as February.

Scientist doubts direction of AIDS vaccine research

By GAVIN WILSON

The search for a vaccine against the AIDS virus could be on the wrong track, if a theory advanced by UBC researchers is valid.

Research by biophysicist Geoffrey Hoffmann has added to the theory that AIDS is an autoimmune disease. In autoimmune disorders, the immune system which normally protects the body against disease instead produces antibodies that attack body tissues.

In the case of AIDS, key components of the immune system itself are attacked, Hoffmann believes.

This means that a vaccine that introduces some parts of the AIDS-causing HIV (human immunodeficiency virus) into a healthy person to create an immunity to HIV could instead end up triggering the disease.

"The major vaccine being tested today does not take this autoimmune action into account," said Hoffmann, who cautions that his theory has yet to be validated by experimental evidence.

Among those who believe Hoffmann's work is supported by already existing information, including her own research, is UBC microbiologist Julia Levy.

"I believe the model is a viable one," she said. "There is a lot of experimental data -- if you look at it the right way -- which supports it."

The suggestion that AIDS is an autoimmune disease is not new, but Hoffmann, working with microbiologists Tracy Kion and Michael Grant, has developed the most detailed theory to date.

Experts agree that AIDS is caused by HIV, but they do not agree on how the virus destroys the immune system.

The conventional view is that the virus attacks the immune system directly. But Hoffmann, noting that monkeys infected with HIV alone do not develop AIDS, suggests that something else must also be present to trigger the disease.

People who contract AIDS typically receive lymphocytes (the cells which, along with antibodies, make up the immune system) in blood or ejaculates from their contact persons. Hoffmann said these lymphocytes may act in tandem with HIV, producing not one but two immune responses.

"There are strong reasons to believe that these two responses are symmetrically directed against each other and also against key regulatory components of the system," said Hoffmann. The result would be the collapse of the entire immune system.

This theory hints at different approaches. Hoffmann said what may be needed is a way to dampen the immune response to a key part of HIV rather than a vaccine to boost it.

TRIUMF opens particle beam line

By GAVIN WILSON

A new \$3-million particle beam line at TRIUMF, built with Japanese funding and expertise along with Canadian contributions, was officially opened last month.

The line produces an extremely intense beam of negatively charged, polarized muons. It is one of the few such beam lines in the world.

Muons are subatomic particles that

See BEAM on Page 2

Murder on her mind

UBC writer wins contest

By PAULA MARTIN

She has murder on her mind and a publishing contract in her pocket.

UBC employee Pat Dobie won the 11th annual Pulp Press Three-Day Novel contest for her murder mystery entry, tentatively titled "Pawn to Queen".

"Actually, there's not any chess playing in it, but chess pieces lead to the murderer," said Dobie, a UBC graduate in history and psychology who works in the AMS word processing centre.

Although 500 people registered for the Labor Day weekend contest, only about 200 completed their manuscripts within the three-day time limit. Dobie's winning 100-page manuscript was one of several mysteries submitted to Pulp Press.

The plot revolves around a female employee of an escort service who is

murdered in Vancouver and the attempts to track down her killer here and in Toronto.

Although the Pulp Press judges deemed her entry the best, Dobie wasn't particularly impressed with it.

"I read it once, a month later," she said. "I thought it was terrible and put it away again."

Dobie said she had been thinking about writing a novel for months but had never gone beyond the first few pages, so the pressure of a 72-hour deadline appealed to her.



Dobie

She wrote diligently from 10 a.m. to 5 p.m. for the first two days of the contest, but then lost all her work in her computer. Fortunately, Dobie had a printout of the partially completed manuscript and was able to type it back in.

"I type for a living, so it didn't take as long as it could have," she added.

Dobie said she has never taken a writing course and found the transition from one scene to another the most difficult part of writing.

"I had an outline, which I deviated from quite a bit," she said. "In fact, it went out the window."

Pulp Press plans to publish Dobie's first effort in the spring. As for future novels, she said her next may be set at a university.



Micro Computer Operators Program participants Joanne Thomas and Marcel Beaulieu look forward to putting their skills to work.

Rejection of jobs by disabled studied

By DEBORA SWEENEY

A UBC occupational therapist is investigating why some physically disabled people turn down the opportunity to enter the workforce.

"What gets us is that people say, 'Yes, I definitely want to work -- it would change everything if I could work,' but in the final analysis, they turn down the jobs, and we want to know why," said Margaret McCuaig.

McCuaig's research focuses on a highly successful job-training program for the physically disabled.

Micro Computer Operators Program is a 20-week course designed for paraplegics, quadriplegics, and people with impaired vision and other physical limitations. Funded by Employment and Immigration Canada, the program boasts an 85-per-cent job placement rate.

Housed in Vancouver's Pearson Hospital, the program teaches participants microcomputer skills, followed by practical work experience, training in job-search techniques, personal development and communication skills. A job-search club with an on-site employment counsellor places program graduates in the workforce.

"I'm concerned about earning my own wages and earning my own way," said Margaret Kennard, one of the program's participants who is on long-term disability. "I enjoy work because it's a social thing and I enjoy a pat on the back for doing a good job."

While most of the program's partici-

pants share Kennard's enthusiasm, some are faced with the grim realization that disadvantages outweigh the benefits of entering the workforce, said Brian Stride, director of the program.

"The single biggest factor in my opinion is the impact of employment on such things as pension income, subsidized housing, attendant care, medical and dental benefits," said Stride. "Some of those benefits are lost when people go and get jobs."

Stride cited the case of a young paraplegic man who had full use of his hands. "By the physical looks of him, he seemed to be one of the easiest placements we could hope for, but he never did get a job and he dropped out of our job-search club," he said.

When asked why he refused the opportunity to go to work, the man replied that his pension income had increased from \$1,200 to \$1,750 per month -- more than he could have hoped to earn in the workforce, said Stride.

A preliminary study has shown that social factors, such as finding transportation to and from work, absenteeism for medical reasons and relying on co-workers to help with feeding and going to the toilet also affect people's decisions to find jobs, said McCuaig.

"Our preliminary study has made us realize there is a fabric of factors that go into determining where a person will or will not accept employment and we want to explore the dynamics more," said McCuaig.

Improved financial support sought after UEL decision

By GREG DICKSON

UBC is continuing to press its case for improving operating and capital support in the wake of a provincial government decision to create a 2,100-acre urban park out of the University Endowment Lands.

The university had originally suggested that about 20 per cent of the lands be developed to produce revenues for UBC. But Premier William Vander Zalm has decided it should all be parkland.

UBC President David Strangway welcomed the decision but said the university must continue to ensure that its fiscal needs are understood.

"Residents of Point Grey are clearly

concerned about the need to preserve wilderness-style environment," he said. "They are equally concerned about the need to ensure that the financial support for advanced education is adequate to do the best possible job."

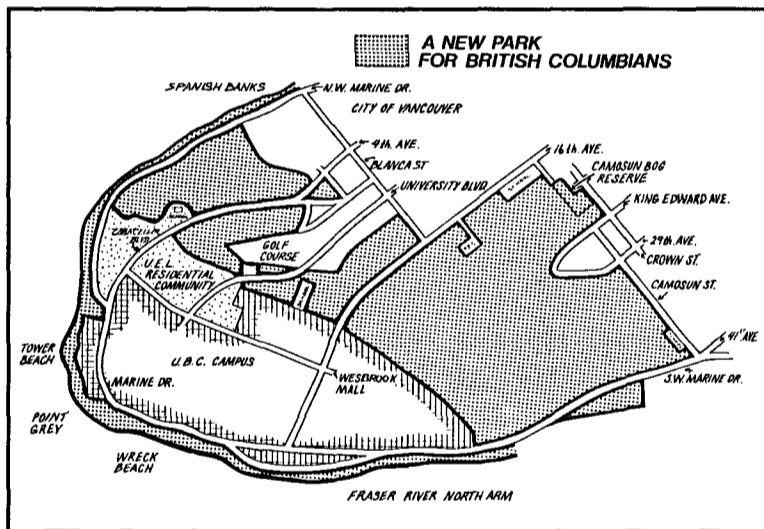
Strangway said the new park will be an important feature of the campus.

"It makes the university an even more special place," he said. "I have always argued that a large amount of park was

good for the public. The only argument I had was 80 per cent versus 100 per cent."

The provincial government's decision creates one of the largest urban parks in the world. It's bigger than New York's Central Park and London's Hyde Park combined.

Premier Vander Zalm said all undeveloped land will be turned over to the Greater Vancouver Regional District to create the new park.



Robert Will (left) and sister

Beautiful baby

Editor:

I consider it grossly unfair that you should print only Vice-President Birch's baby picture. We all have pictures like this on our dressers; and furthermore, we were all good looking. Some of us still are.

The person pulling my ear is not my nanny. She is my twin sister.

Yours sincerely,

Robert M. Will
Dean of Arts

UBC Reports welcomes your letters. Please keep them brief and send to:
The Editor
UBC Reports
Community Relations Office
6328 Memorial Rd.
Vancouver, V6T 1W5

Beam line built with Japan's help

Continued from Page 1

are often formed when larger, unstable particles disintegrate. A polarized beam contain particles all spinning in the same direction, with all their axes aligned.

Although the muons that TRIUMF produces have a life-span of just two-millionths of a second, they can be used to conduct experiments on hydrogen fusion, high-temperature superconductors and new techniques of medical diagnoses.

TRIUMF director Erich Vogt praised the new beam line as another example of the international cooperation that has contributed to the success of Canada's national meson facility.

The Japanese have worked with TRIUMF for many years and are expected to be one of the important foreign contributors to the proposed KAON factory, Vogt said.

Using funding from the Japanese government, the Mitsubishi corporation built \$1-million superconducting magnet for the new muon line.

Another Japanese company, Mycom, installed the helium compressor used to cool the beam line superconductor to four degrees above absolute zero. Total funding from Japan for the project was \$1.5-million.

Construction of the beam line was completed in September and the facility is already being used in experiments.

The Senate

New chemistry course is planned for 1989

UBC is planning to offer a new program in Chemical Engineering/Chemistry in the 1989 Fall term.

The new five-year Chemical Engineering/Chemistry Honors program will be jointly administered by the Departments of Chemical Engineering and Chemistry, and meets an industry demand for graduates with specialized training in both disciplines.

Entry to the program will be from first-year Applied Science.

High school students can now apply Mandarin Chinese and Japanese courses to UBC's admission requirement for a Grade 11 language. At the December 1988 meeting, UBC's Senate approved a recommendation from the Senate Ad-

missions Committee to allow Mandarin Chinese 11 and Japanese 11 to stand as a Grade 11 language, and Mandarin Chinese 12 and Japanese 12 as academic 12 subjects. The move is supported by a new province-wide ministry approved curriculum and is effective immediately.

The School of Physical Education and Recreation, which saw an unprecedented increase in student enrolment this year, is planning to restrict enrolment for the first time in the Fall, 1989. Approved by Senate, the proposal still has to go to UBC's Board of Governors.

Enrolment has been steadily increasing over the past six years, straining the school's resources.

People

Ng wins research excellence prize



Ng

Andrew Ng, associate professor of Physics, has been given the Charles A. McDowell Award for Excellence in Research.

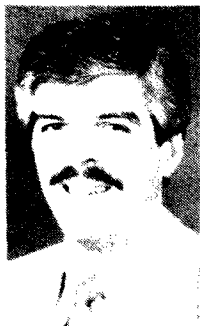
The McDowell award, one of the university's top faculty research prizes, is made to a young researcher who has demonstrated excellence in the pure or applied sciences.

Ng's research in plasma physics and condensed matter physics examines the properties of matter under conditions of extremely high density and pressure.

The award was established by University Professor Charles McDowell, who headed UBC's Chemistry department from 1955 to 1981. He will present the award to Ng at an upcoming luncheon.

Past winners are Daniel Brooks, Pathology and Chemistry, David Kirkpatrick, Computer Science, and Grenfell Patey, Chemistry.

Lawrence Walker, an associate professor in Psychology, has been awarded UBC's 1988 Alumni Prize for Research in the Social Sciences.



Walker

Walker, who teaches developmental psychology, is well-known for his research in the controversial area of the development of moral reasoning.

The Alumni Prize recognizes excellence in research in the humanities or social sciences by faculty members who are 40 years of age or younger

The prize includes a \$1,000 cash award.

Engineering professor Keith Brimacombe, Director of UBC's Centre for Metallurgical

Process Engineering, has been named a fellow of The Minerals, Metals and Materials Society, an American organization with an international membership.

Brimacombe has also been nominated to receive the society's 1989 Extractive Metallurgy Science Award at its annual meeting to be held in Las Vegas, Nev., Feb. 27-Mar. 2.

Brimacombe received the award for his research and leadership in the area of extractive metallurgy. His work has resulted in major advances in the continuous casting of steel, copper converting, slag cleaning, rotary kiln processing and microstructural engineering.

Newly arrived Economics professor Kazuharu Kiyono has won a prestigious Japanese prize for his book *An Economic Analysis of Industrial Policies*.

The prize is one of six awarded to authors of the best books published in the field of economics by Nihon Keizai Shimbun, Japan's most prestigious business paper.

Kiyono, whose area of expertise is in international trade and industrial organization and policy, takes up his position in the Economics department this month and will be teaching courses on contemporary Japanese economy.

A Faculty Citation has been awarded to former physical education and recreation professors Jack and Marilyn Pomfret by the Alumni Association.



Pomfret

The citation is awarded to faculty who have an outstanding record of service to the general community in capacities other than teaching and research.

Jack Pomfret is a former basketball, swimming and football coach, while Marilyn Pomfret is a former director of Women's Athletics.

UBC graduate and former Chancellor Nathan Nemetz has been awarded the Blythe Eagles Volunteer Service Award by the Alumni Association.

Nemetz, former chief justice of the B.C. Court of Appeal, is a past president of the Alumni Association. The award honors those who have contributed extraordinary amounts of time and energy to the association.

The service award is named after former Dean of Agriculture, Blythe Eagles.



Withers

Three members of the Chemistry department have been awarded prizes by the Canadian Society for Chemistry in recognition of their outstanding achievements in research.

Stephen Withers is the recipient of the \$2,000 Merck Sharp and Dohme Lecture Award for research in organic chemistry and biochemistry. His research studies the mechanisms by which enzymes degrade complex sugars such as cellulose and the reasons for their effectiveness.

Guy Dutton won the \$1,000 John Labatt Ltd. Award for 1989. He studies the chemistry that determines the immunological responses of bacteria, specifically *Klebsiella*, which is associated with hospital infections, and *Escherichia coli*, the bacterium that causes traveller's diarrhea. Dutton is president of the Chemical Institute of Canada, parent organization of the Canadian Society for Chemistry.



Dutton

Peter Legzdins is the recipient of the \$1,000 Alcan Lecture Award for 1989. His research team synthesizes organometallic com-

plexes -- combinations of organic materials and metals -- and then examines their chemical and physical properties, exploring new areas of application.

All three winners will give lectures at the next annual Canadian Chemical Conference in Victoria in June.

UBC Biochemistry professor Pieter Cullis has been awarded the 1988 Jacob Biely Faculty Research Prize for his work on a biological system to destroy cancer cells. Cullis' work involves the development of tiny capsules called liposomes which contain an anti-tumor drug designed to attack cancer cells without toxic side effects.



Cullis

The Jacob Biely prize is named for an international poultry scientist whose association with UBC spanned half a century. The prize was established in 1969 by his brother George, a well-known figure in the B.C. construction industry. It is awarded annually for distinguished research in all fields.

Electrical Engineering professor Edward Jull has been elected Fellow of the Institute of Electrical and Electronics Engineers (IEEE) effective Jan. 1.

A member of the IEEE's Antennas and Propagation Society, Jull's citation is for contributions to electromagnetic diffraction theory and its application to antennas. These applications are primarily at microwave and millimeter wave frequencies.

IEEE is one of the largest professional organizations in the world. Based in New York, it has almost 300,000 members.

CALENDAR

Continued from Page 4

International House

E.S.L. Classes and Keep Fit Classes. All classes are free. For information call 228-5021.

Native Expressions

Every Tues. night at the Extra Extra Bistro, 3347 West Broadway, from 8-10:30 p.m. \$3 at the door. Native performers and creative artist on stage. For information call Kathy at 222-8940. Proceeds to First Nations' Student Fund.

Keep Fit Classes

Int'l House is looking for volunteers, certified Keep Fit instructors. Please call Vivian for further information at 228-5021.

Special Issue on Africa and the French Caribbean

Contemporary French Civilization is preparing a special issue on Francophone Africa and the Caribbean for 1989. Articles in English or French, 15-20 typed pages, on any contemporary culture/civilization topic in Africa or the Caribbean, must be submitted by March 1, 1989. For more information call Dr. Claude Bouyguies, 228-2879.

Department of Psychology

Individuals 18 and older are needed for a research project on changes in memory across the adult life span. For information call Jo Ann Miller at 228-4772.

Parents Wanted

Couples with children between the ages of 5 and 12 are wanted for a project studying parenting. Participation involves the mother and father discussing common child-rearing problems and completing questionnaires concerning several aspects of family life. Participation will take about one hour. Evening appointments can be arranged. Interpretation of questionnaire is available on request. For further information, please contact Dr. C. Johnston, Clinical Psychology, UBC at 228-6771.

Teaching Kids to Share

Mothers with 2 children between 2 1/2 and 6 years of age are invited to participate in a free parent-education program being evaluated in the Dept. of Psychology at UBC. The 5-session program offers child development info and positive parenting strategies designed to help parents guide their children in the development of sharing and cooperative play skills. For further information call Georgia Tiedemann at the Sharing Project 228-6771.

Fitness Appraisal

Physical Education & Recreation, through the John M. Buchanan Fitness and Research Centre, is administering a physical fitness assessment program to students, faculty, staff and the general public. Approx. 1 hour, students \$25, all others \$30. For information call 228-4356.

Surplus Equipment Recycling Facility

All surplus items. For information call 228-2813. Every Wednesday Noon - 3 p.m. Task Force Bldg, 2352 Health Science Mall.

Badminton Club

Faculty, Staff and Graduate Student Badminton Club meets Thursdays 8:30-10:30 p.m. and Fridays 6:30-8:30 p.m. in Gym A of the Robert Osborne Sports Centre. Cost is \$15 plus REC UBC card. For more information call Bernie 228-4025 or 731-9966.

Neville Scarfe Children's Garden

Visit the Neville Scarfe Children's Garden located west of the Education Building. Open all year - free. Families interested in planting, weeding and watering in the garden contact Jo-Anne Naslund at 434-1081 or 228-3767.

Nitobe Memorial Garden

Open 10 a.m.-3 p.m., until Mar. 16. Monday - Friday Free.

Botanical Gardens

Open 10 a.m.-3 p.m., until Mar. 16. Daily. Free.

Merger of nursing schools at UBC, VGH discussed

By JOMOSS

Next year's applicants to Vancouver General Hospital's nursing program may be the first to graduate with UBC degrees.

The two institutions are currently examining the possibility of combining the programs by next fall to meet a Canada-wide need for more nurses with higher professional qualifications.

VGH's Board of Trustees approved the plan in principle at a September meeting. UBC has thus far only agreed to study the issue.

Marilyn Willman, Director of UBC's School of Nursing, said the merger could better prepare nurses to function in a health-care system that is becoming increasingly complex.

"Our major concern is to have a larger pool of people that can provide the kind of nursing care that we see as being essential as we move on toward the year 2000," she said.

"People are hearing the message that

if you want to be a nurse, you should have a baccalaureate degree," confirmed Inge Schamborzi, Vice-President of Nursing at VGH. Applications to VGH's three-year diploma program have been declining for the last few years, she said.

In the next few months, both sides will be examining details of the program's structure and administration.

"We have to be satisfied that the collaboration would be effective and meet UBC's objectives," said Axel Meisen, UBC's Dean of Applied Science. "It is understood that the VGH students would meet all of UBC's admission and academic requirements."

Issues to be addressed in the program development include allocating shared teaching responsibilities between UBC and VGH faculty; accommodating VGH students in courses offered by other UBC departments as part of program requirements; and providing financial support.

According to Schamborzi, VGH has

had several hundred enquiries about admission requirements for the new program.

The VGH school wants to maintain a constant student enrolment after the merger, she said. The hospital currently accepts 70 students in the fall and another 70 in the spring. In the new program, students will be admitted in the fall term only.

UBC enrolls about 80 nursing students per year.

"Funding for the combined program is a critical issue and we are looking at long-term as well as short-term funding implications," Meisen said.

As a hospital program, VGH's nursing school receives funds from the Ministry of Health, while UBC's program is funded by the Ministry of Advanced Education and Job Training.

Jim Flett, President of VGH, said preliminary discussions with the provincial government indicate that VGH's program funding will be maintained.

