UBC REPORTS

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No doubling of tuition fees, says McGeer; Concern, but too early to panic: Kenny

Keep calm.

That's the reaction of UBC's president, Dr. Douglas Kenny, and provincial universities minister Dr. Patrick McGeer to speculation that tuition fees may double or triple as the result of cutbacks in federal government support for higher education.

President Kenny said that while there was "substantial concern" in the Canadian academic community about possible reductions in federal support, it's far too early to press the panic button and assume that fees will escalate by a factor of two or three.

And in a television interview, Dr. McGeer played down the idea of a two- or three-fold tuition increase. "We (the provincial government) simply wouldn't allow that to happen," he said.

The concern currently being expressed by Canada's academic community centres on speculation that Ottawa is out to trim aid to higher education by reducing its annual transfer of money to the provinces under the Established Programs Financing (EPF) scheme.

Under the EPF scheme, in force since 1977, the federal government annually transfers billions of dollars to the provinces to help support hospital insurance, medicare and post-secondary education. B.C.'s estimated share of EPF funds for higher education alone in 1980-81 is $335.6 million.

President Kenny, in his recently issued 1979-80 annual report, expressed his concern about the proposed reduction of federal support, which he says is of "paramount importance" to university education.

He says Ottawa's withdrawal from the EPF scheme would be "short-sighted and gravely damaging to the long-term interests of Canada," and called for universities to be consulted when the program comes up for renewal and negotiation in the spring of this year. The EPF agreement will expire on April 1, 1982.

The Association of Universities and Colleges of Canada (AUCC), in a brief to Prime Minister Trudeau, says an abrupt federal withdrawal from EPF "could have serious and possibly disastrous effects on universities already weakened by a decade during which provincial operating grant increases have lagged behind inflation."

The AUCC brief calls for a "thorough re-examination of the system of financing Canadian universities" with appropriate university participation.

It also calls on Mr. Trudeau to respect the commitment he made in 1976 when he announced the EPF program not to amend the transfer arrangements without giving three years' notice.

Other briefs urging continued federal aid have been sent to the federal government by the National Union of Students and the Canadian Association of University Teachers.

The EPF scheme will be a central issue in a Vancouver conference at the Bayshore Inn Feb. 11-13 entitled "Education Canada: A National Symposium on Federal-Provincial Relations in Education." Registration details for the conference are available from the Continuing Studies Division of Simon Fraser University, telephone 291-4565 or 4566.

Botanical Garden employee Kunio Nunotani is using the Japanese art of Hinoki to give a compact appearance to one of the hundreds of shrubs being planted around UBC's Asian Centre. Ceremony to mark official opening of the building has been set for June 5.

Memorial scholarships in Commerce

Two scholarships in memory of Suzanna Seto have been established in the Faculty of Commerce and Business Administration.

Ms. Seto, who received a Bachelor of Commerce degree from UBC in 1974 and a Master of Science degree in urban land economics in 1977, was murdered last June 3 while on a business trip to Duncan for her employers, Cumberland Realty Group. The killer has not been found.

One of the memorial scholarships is funded by Ms. Seto's employers and will provide $2000 annually for a student in graduate studies specializing in urban land economics.

The second scholarship, for a minimum of $500, is funded by friends and colleagues of Ms. Seto and will go annually to an undergraduate student specializing in the urban land economics option in the Faculty of Commerce.

Dean Peter Lusztig, in announcing the scholarships, expressed his sincere thanks to the Cumberland Realty Group and the many individual contributors to the scholarship fund "for their support in establishing these permanent gifts to the students of the faculty and for the lasting tribute to the memory of Suzanna, their colleague and friend."

NEW AWARDS

The following student awards were approved at the January meeting of the UBC Senate. For more information on these and other scholarships and bursaries, contact Awards and Financial Aid in the General Services Administration Building, Room 50.

Nancy Allan Memorial Scholarship — An annual scholarship in the amount of $1,000 has been established by family and friends of the late Nancy Allan in recognition of her outstanding qualities as person, performer, and leader of youth. The scholarship will be awarded to the student entering penultimate or final year Music Education who best combines musicianship with an ability to communicate the spirit of music to others.

Ando Laboratories Prize — A prize of $500 will be awarded to the graduating student in the Faculty of Dentistry who, in the opinion of the Faculty, has demonstrated the most promise in patient care in the field of restorative dentistry.

British Columbia Home Economics Association Scholarship II — A scholarship in the amount of $250, donated by the British Columbia Home Economics Association will be awarded to a student entering the fourth year of the Bachelor of Home Economics program. The award will be made to a student who has high academic standing in any one of the specialty areas. The award will be made on the recommendation of the School of Home Economics.

Canadian Institute of Mining and Metallurgy, Vancouver Branch, District 6, Memorial Scholarship — An annual memorial scholarship in the amount of $1,000 on behalf of distinguished C.I.M. members (deceased) from the Vancouver B.C. Branch, District 6, of the Canadian Institute of Mining and Metallurgy is awarded to a student entering the second year program of the Department of Mining and Mineral Process Engineering. The recipient will be selected by the department on the basis of high academic standing and interest in the mining industry.

Margaret Croucher Memorial Award — An award in the amount of approximately $150 has been established by friends, family and colleagues of Margaret Croucher, to recognize her personal qualities and her pioneering contribution to the field of Rehabilitation in Home Care Services. The award will be made at the beginning of the spring term, to a final year student who has shown a keen interest in all aspects of Rehabilitation Medicine. In making the award, preference will be given to a mature student deserving of financial assistance.

Stephen Dawson Memorial Scholarship — A scholarship in the amount of $300 has been provided by his parents, in memory of Stephen James Dawson, B.A.Sc., 1967, for academic endeavour such as was displayed by Stephen. In the face of much adversity, he achieved high standards and his degree in Chemical Engineering. The award will be made annually to a student entering the second year in this course.

Ephram Arthur Day Bursary — A bursary in the amount of $500 per annum has been made available by the Central Okanagan Foundation. The award will be made to a student who normally resides in the Central Okanagan (Peachland to Oyama inclusive) and who, on the basis of need and academic standing, requires financial assistance in the pursuit of a Bachelor's degree in Agriculture or Forestry.

Department of Music, Keyboard Division, Scholarship — A scholarship in the amount of approximately $200 will be awarded annually to the most outstanding keyboard performance major entering the Department of Music. The award will be made on the recommendation of the department.

Department of Music Entrance Scholarships — Two scholarships in the amount of approximately $300 and $150 will be awarded annually to students entering the Department of Music. These awards will be made on the recommendation of the department.

Ian and Jonathan Gritten Memorial Bursary — A bursary has been established in memory of Ian Earle Gritten, a student in the Faculty of Law and his younger brother, Jonathan Richard Gritten, a student in Penticton, B.C., who both died tragically in October, 1980. Through this bursary their family and friends pay tribute to the exceptional quality of their lives. The award will be made annually to a law student who entered the Faculty of Law after only three years of undergraduate study.

Svadhyaya Sanskrit Prize — A prize in the amount of approximately $40 has been made available by a grateful son in the memory of his father. The award will be made on the recommendation of the Department of Asian Studies to a student demonstrating exceptional promise in advanced Sanskrit.

University Women's Club of Vancouver, Margaret Redmond Scholarship — The University Women's Club of Vancouver offers a scholarship to a mature woman student, in either a full-time, or part-time course proceeding to a degree, in any year up to and including the Master's level.

Leslie F.S. Upton Memorial Scholarship — An annual scholarship of $200 will be awarded as a memorial to Prof. Leslie F.S. Upton. The award was made possible by contributions from Prof. Upton's colleagues and friends at UBC and several other universities, former students and family. It will be made to a history major student who has written the best essay in competitive examination organized and adjudicated by the history department before Dec. 15. In addition to the scholarship, the winner will receive a copy of a book written by Prof. Upton.

Frank Ramsey Medical Bursaries — Bursaries to a total of approximately $4,000 per annum have been made available by Frank Ramsey, to assist needy students in the Faculty of Medicine.

First surgery patient has kind words for facilities, staff

The following letter was addressed to Lloyd Detwiller, administrator of the Health Sciences Centre Hospital, and Dr. George Price, medical director of the acute care unit. It was written on Jan. 20, 1981.

Dear Sirs:

As the first surgical patient in the Unit, I wanted to write to you and express my thanks for what has been a quite remarkable surgery, and some of my impressions of the hospital. (Please excuse the rather choppy, incoherent style — I find that codeine and composition make poor bedfellows — and normally I would have waited until later — but I wanted to pass on my impressions as I left).

To begin with, the physical plan has been so well designed for patient comfort and good spirits. I have had three surgeries at another hospital during the last 2½ years — and the physical surroundings here have certainly contributed a great deal to making my stay here so pleasant — the openness of the design, the warm cheerful colors, and the marvellous pluses of the nourishment room, the hair-washing basin, the intercom system and the fabrics and wall decorations which are colorful and cheerful.

Second, the food. I never eat when I'm in the hospital and here I have had meals since the second day after my surgery — they were varied and interesting and with one or two exceptions really nice food.

Third, the staff — which is really the thing which I found the most positive — from the housekeeping ladies who were friendly and cheerful — the women from the kitchen, all the way through the medical staff to the directors — at least the ones I have met. The nursing staff are outstanding individually, and in teams. They project and carry through a spirit of cheerfulness, efficiency and compassion. I have never had such outstanding nursing care — they were always available and when things were difficult, painful or depressing, gave really solid support. You are to be congratulated on establishing a unit which can give directives which result in such a team. The staff of the O.R. — of whom I saw little — certainly gave me confidence and the hospital's policy of keeping the patient well informed was followed and although I had had the same surgery before, it helped to keep me relaxed or as relaxed as is possible in such circumstances.

The staff in Anaesthesiology were extremely positive for me. Dr. Leighton suggested doing an epidural nerve block which cut down on my pain and keep me from being sick for days.

My patience for writing, and I am sure yours for reading is wearing thin.

I probably have left out things but they will have to remain unsaid.

Thank you again.

Yours sincerely,
(signed) Sheila Roberts

Nursing staff in the surgical ward of UBC's Health Sciences Centre Hospital last week presented a bouquet of roses to Sheila Roberts, first surgical patient admitted to the newly-opened ward. Ms. Roberts had surgery on her left knee Jan. 13. Surrounding her are, left to right, Ginnie Craik, Mara Celmins, Nancy Lyle, Maureen Stoqua, Anita Collier, Margaret Irwin and Barbara Trerise.

Rory Nott, 18, has been paralysed from the neck down following a swimming accident last spring. Unable to turn a book page, his hope of completing his education or reading for entertainment looked bleak until the invention of a new reading machine using money from B.C. Lotteries. With him is electrical engineer Tom Dean.

Lottery opens books

Thousands of people across North America can't read, not because they don't know how, but because they are paralysed. Confined to a wheelchair or a bed, they can't hold a book or turn a page.

But that's changing now, thanks to B.C. Lotteries. Lotteries money has financed a system that combines computer technology and micro-photography which will allow the paralysed to read for entertainment or to complete their education.

Dr. Duncan Murray of UBC's Faculty of Medicine, head of the division of rehabilitation medicine at Shaughnessy Hospital, and electrical engineer Tom Dean have developed a prototype machine that has been successfully tested in the hospital.

Shaughnessy is where the province's spinal injury unit is located. Teams of specialists treat patients with spinal cord injuries, which usually occur as a result of accidents.

The machine consists of a microfiche viewer similar to those found in most libraries. They magnify into readable print on a screen information that has been microscopically reduced onto a small, four-by-five-inch card. Each card contains about 100 pages of a book.

Attached to the machine is a computer-based switch with two pressure-sensitive places. A librarian or attendant puts a card into the viewer. Then all the paralysed reader needs to do is touch the plates and the machine will automatically move onto the next page or go back a page.

"A person using the machine can read 100 pages in one session," said Dr. Murray, "and that's as much as you would want to read without a break.

"Then someone changes the card and the reader has another 100 pages."

He said the machine can also be used by cerebral palsy victims whose hand motions are often erratic.

Mr. Dean said the components for the machine are standard, off-the-shelf items and the total cost is not high.

"The viewer itself costs $300. Total cost including the electronics is about $1,000," he said. "If a number of them are built, the unit cost would come down."

He added that since most libraries now have microfiche viewers, it wouldn't be expensive to convert them for use by the handicapped.

Copies of the machine are now being tested in centres across the province to refine their operation and work out bugs.

Eventually the machines would be available at central locations such as libraries, hospitals or clinics for the handicapped. The type of material available on microfiche is growing steadily. Some sources in the United States even record comic books on microfiche.

Journalism program approved by Senate

Provided the Universities Council of B.C. approves, the first students should be admitted in 1983 to a Master of Journalism program at UBC.

Dean of Arts Robert Will said he hoped the MJ proposal would be funded by the UCBC as a new program. A director could then be hired for the 1982-83 academic year, admission procedures established and the first 15 students admitted in September of 1983.

The Universities Council each year distributes to the three universities only 95 per cent of the total grant allocated by the provincial government, using the remaining 5 per cent for the funding and maintaining of new programs.

The UBC journalism program, as approved by Senate Jan. 28, would entail 30 units of coursework over two years, as well as a substantial internship which would carry no credit.

It would be the only post-baccalaureate journalism program in Western Canada, and only the third in Canada. To be admitted, applicants would need an undergraduate degree, would have to provide examples of writing, and an admissions panel would consider academic background, journalistic experience and particular expertise and motivation.

The two-year program would include 12 units of graduate or undergraduate courses in appropriate academic disciplines such as political science, economics, history, literature, science and language studies, 9 units of media studies (structure and history of the media in Canada, law in journalism, ethics of journalism, and a report on a special topic) and 9 units of practical skills (research, reporting, writing, editing).

Dean Will said the program would be a bargain for the University, since much of it would be serviced by existing courses and faculty already at UBC. He said only three full-time faculty, including a director, would be needed, plus several part-timers who likely could be working journalists in the Vancouver area.

He hoped the program would appeal to university graduates across Canada who might already be working as journalists.

UBC President Douglas Kenny told Senate that the program was not intended solely for newspaper journalists or to train newspaper journalists but would be of interest to radio and television journalists as well.

Graduating? Get your card

If you're one of the 3,600-odd UBC students who expect to graduate this year, you have to submit an "Application for Graduation" card to the Registrar's Office by Feb. 16.

If you don't submit a card, there's a strong possibility that your name won't appear on the list of candidates for degrees, which is approved by UBC's Senate when it meets late in May.

Cards have already been mailed to students registered in the graduation year of the following programs: BA, BFA, BMus, BCom, LicAcc't, BEd (elementary and secondary), BPE, BRE, and BSc. If you don't receive a card in the mail, go to the Registrar's Office in the General Services Administration Building to make sure your local mailing address is correct.

Students in their graduating year in all other degree programs except Graduate Studies can obtain Application for Graduation cards from faculty or school offices. Students in grad studies should get them from their graduate advisors.

Remember — no application, no degree.

Dean named for Education

UBC's Board of Governors Tuesday confirmed the appointment of Dr. Daniel Birch as Dean of UBC's Faculty of Education effective July 1, 1981.

A native of Ganges, B.C., Dr. Birch now is a professor of education at Simon Fraser University. He recently completed a five-year term as Associate Vice-President (Academic) at SFU and is currently on leave of absence.

Dr. Birch, 43, was the overwhelming choice of a presidential selection committee for a new dean of education. That faculty has been under the direction of Acting Dean Roy Bentley since former dean John Andrews completed a five-year term in 1979.

Dr. Birch received his B.A. from UBC in 1963 and his M.A. from UBC in 1968. He received a Ph.D. from the University of California in 1969 in Teaching of History and Social Science.

His appointment is for a six-year term.

$50,000 goes to the winner

Your annual chance to nominate an outstanding Canadian who's made a major contribution to human welfare and the common good is here. Deadline for nominations for the Royal Bank award of $50,000 is Feb. 28.

Candidates must be Canadian citizens or residents and must be nominated by two or more persons.

Among the past recipients are neurosurgeon Wilder Penfield, architect Arthur Erickson, CARS organizer Mary Pack and last year's winner clinical investigator Dr. Jacques Genest.

Contact Richard Spratley, Research Administration, local 3652, for more details.

No, it's not an invasion from outer space . . . . It's just Laurie Walsh (left), and Bev Bogdan, of the Copy and Duplicating Centre on campus, modelling the latest in protective work equipment. Staff members in the centre are required to wear the gas masks while cleaning their printing machines to avoid inhaling harmful fumes.

MacMillan expansion backed by Board

UBC's Board of Governors has approved proposals for expansion of the H.R. MacMillan Building to provide additional academic and research space for the Faculties of Agricultural Sciences and Forestry.

The proposals, discussed at the Board's December meeting, have been sent to the Universities Council of B.C., which makes recommendations to the provincial government on construction priorities.

The proposals envisage a major physical development to the west of the existing MacMillan Building at the corner of Main Mall and Agronomy Road. The proposals call for separate wings to accommodate an expansion of each faculty as well as construction of some 7,000 net assignable square feet (NASF) of space for the joint use of both faculties and for other University purposes.

The estimated cost of the development is more than $28 million.

Both faculties make a case for the expansion in the light of overcrowding and expanding enrolments.

The Faculty of Agricultural Sciences says in its proposal that when it occupied the MacMillan Building in 1967 it had 24 faculty members, 206 undergraduates and 50 graduate students.

Today, there are 63 faculty members, 411 undergraduates and 152 graduate students. Enrolment forecasts suggest 536 undergraduates and 219 graduate students will enrol for the 1983-84 academic year.

The agricultural sciences faculty says it needs additional space for research, additional teaching and laboratory space for new programs such as landscape architecture and the interdisciplinary Land Resource Science Centre and for the consolidation of some of its academic departments which are now housed in "distant" facilities in other parts of the UBC campus.

The proposal says the faculty has a current need for an additional 80,000 NASF as the result of a doubling of undergraduate enrolment and a 50 per cent increase in graduate enrolment in the last decade.

The faculty also desperately needs additional research space for faculty members and graduate students currently involved in more than 200 different projects. The faculty's 1978-79 research grant total of $2,336,731 represents the highest research support per faculty member in any of UBC's 12 faculties, the proposal says.

The Faculty of Forestry proposal says that while its need for additional space can be associated with enrolment increases, its most pressing need is for research and associated space.

B.C., the proposal says, "is on the threshold a new era in forestry," as the result of new provincial forest and range acts which place new emphasis on management of the forest resource.

"UBC," the proposal adds, "will be expected to contribute much of the knowledge and many of the people needed to improve management of all B.C.'s forest land resources."

The forestry faculty currently enrols 350 undergraduates and 61 graduate students and forsees the need for additional space to accommodate 444 undergraduates and 135-155 graduate students by 1983-84.

The forestry faculty says it also needs additional space to provide for an expansion in its continuing education program which aims at upgrading the qualifications of forest technicians and keeping forestry graduates abreast of new developments.

Forestry says it also needs new space for interdisciplinary programs and planned developments in timber and forest engineering. The proposal says existing space for field-oriented courses such as surveying, harvesting and soil science is "grossly inadequate."

The forestry proposal says that a 71 per cent increase in research funds over the past four years "reflects an increasing awareness of forestry" and adds that it has a current need for some 44,500 NASF of new space to meet teaching and research obligations.

Four new faces; Board still short two

There were four new faces at the long table in UBC's Board and Senate Room yesterday when the Board of Governors held its first meeting of the 1981 calendar year.

The Board, which has been partly reconstituted as the result of new appointments and elections held over the past three months, is made up of 15 persons — eight appointed by the provincial government, two elected by the faculty, two elected by students, one elected by the employed staff, and the president and the chancellor of UBC.

The Board is currently shy two members appointed by the provincial government, which recently announced the re-appointment of three members and the appointment of one new member.

Reappointed were Alan F. Pierce, Dr. Leslie R. Peterson and Allan R. Crawford. The new member of the Board appointed by the provincial government in January is Gerald H.D. Hobbs, a Vancouver businessman who currently chairs UBC's Health Sciences Centre management committee.

UBC graduate Mrs. Joy McCusker continues as a Board member appointed by the provincial government. Her current term will expire in 1982. Also continuing as a Board member is Vancouver lawyer David G.A. McLean, appointed last November to fill the unexpired term of Alan Eyre, whose appointment was terminated so that he could become a member of the Universities Council of B.C.

No longer members of the Board are George Morfitt, who had served the maximum number of years allowable under the Universities Act; Ian Greenwood of Kelowna, who retired after serving as a Board member since 1976; and Stanley Weston, who died suddenly on Jan. 6.

Faculty members now serving on the Board are Prof. Peter Pearse, who was re-elected for a second three-year term in November, and Prof. Hugh Greenwood, head of the Department of Geological Sciences, who succeeds Prof. R.D. Russell of Geophysics and Astronomy.

Students sitting on the Board for one-year terms are Anthony Dickinson, re-elected by students in last month's election; and Chris Niwinski, who succeeds John Pellizzon, who did not run in the January student election. The student Board members are both graduate students working on master's degrees in civil engineering.

Elected in December for a three-year term to represent UBC employees who are not faculty members was Neil Boucher, payroll supervisor in the Health Sciences Centre Hospital.

Architecture upgraded

A proposal to upgrade UBC's Bachelor of Architecture program to a master's program was approved by the University Senate Jan. 28.

The proposal now goes to the Universities Council of B.C.

In a submission to Senate, the School of Architecture said:

"It is our contention that the UBC School's current B.Arch program is, in most respects, in fact a graduate program. With some fine-tuning and upgrading of some coursework it would qualify under current Senate criteria for designation as a Master of Architecture degree program.

"The current B.Arch is understood by the Architectural Institute of B.C. as the qualifying professional degree, and the proposed modification will upgrade it still further.

"Finally, the student will benefit in the job market from having the higher degree qualification."

The M.Arch program would be of three years' duration, for a total of 59 credits, although the school's submission to Senate noted that, "Students may be advised to interrupt their academic studies at the end of first or second year for a prescribed period in order to experience conditions in practice, or take part in construction work, or to travel in countries outside Canada."

Getting into the program would not be easy. In general, entrants would need an undergraduate degree with second class honors or better, or three years of study at an approved School of Architecture, again with a 65-per-cent or better standing, or three years of study at college or university level after completion of an approved diploma course in building technology of at least two years duration at the post-secondary level.

Supervisor dies at 60

Funeral services were held Jan. 21 for Max D. Gronlund, supervisor of custodial staff in UBC's Department of Physical Plant, who died Jan. 18 at the age of 60.

Mr. Gronlund joined physical plant in 1970 and in addition to serving as custodial supervisor held the posts of assistant supervisor of staff and assistant supervisor of the department's design division.

He is survived by his wife, Susan, and two married daughters, Kristina and Marta.

International Year of Disabled Persons
1981
Année internationale des personnes handicapées

'Awareness can start right here'

The designation of 1981 as the Year of Disabled Persons will hopefully result in an increased awareness throughout the world of both the needs and the talents of disabled people, says Paul Thiele, librarian and head of UBC's Crane Library.

Thiele is the national chairman in charge of communications for the Canadian Organizing Committee of the I.Y.D.P.

Our awareness, he says, can start right here in the University community where visually and physically disabled students are growing in numbers.

He points out that disabled students can function in a fairly independent and normal way once specific barriers are overcome.

"For the visually disabled student, the two greatest barriers are access to textbooks and independent mobility around the campus."

Crane Library, housed in Brock Hall Annex, provides the answer to the textbook problem with three alternatives to print books. They have 'talking' books recorded on tape, textbooks in braille and large type and magnified print books for those students who still have some vestiges of sight. The library also has electronic, mechanical and optical devices which aid students in their studying.

While Crane Library significantly aids the textbook accessibility situation for visually disabled students, the problem of independent mobility around the campus isn't so easily taken care of.

According to Thiele, most of the students learn the location of buildings on campus by acoustics.

"The way a blind person gets from point A to point B is by a series of radar and hearing," he says. "They can tell when they are near a certain building by the way it alters the acoustic structure of their footsteps."

The students also orient themselves by cues such as bushes, certain curves in pathways and other distinguishing markers. During the summer months perapetologists (people who teach orientation through acoustics) from the Canadian Institute for the Blind come on campus and help students learn the easiest routes between buildings.

Something that Thiele would like to see at UBC in 1981 is more attention paid to section 10 of the provincial building code which calls for things such as raised signage in buildings to identify fire exits, elevator control panels, room numbers and other building information. He points out that the signage isn't expensive and would be helpful for sighted people as well.

Easier access for mature adults called for in reports to President

Widespread changes in educational services to enable more mature adults to pursue higher education at UBC are called for in two reports released by President Douglas T. Kenny.

The reports call on all B.C. institutions offering post-secondary education to "re-examine their policies, procedures and requirements" to ensure that barriers are removed to enable mature adults to undertake both credit and non-credit general and professional continuing education and degree-completion programs.

The reports, prepared at the request of President Kenny, are based on analyses of Canadian population changes and University enrolment patterns and are the first step in the development of "a comprehensive long-range policy regarding continuing education at UBC."

The reports were written by Dr. William Tetlow and Robert Taylor of the UBC Office of Institutional Analysis and Planning and by Jindra Kulich, director of the Centre for Continuing Education.

The reports identify four major mature-adult constituencies — those over age 24 — which will "become of ever-increasing importance to all post-secondary institutions."

The mature-adult group, the reports say, now accounts for one-third to one-half of UBC degree registrants in a total enrolment picture characterized by a shrinking proportion of 18-to-24-year-olds, who have traditionally made up the largest number of UBC registrants.

The four mature-adult population segments identified in the reports are:

- The mature non-employed, including housewives and retired persons, many of whom are seeking degree completion or personal enrichment courses;
- Wage earners who seek diplomas, certificates and degree-completion to enhance their skills and competitive position in the job market and for whom educational pursuits are made possible by shorter working hours and increased leisure time;
- Members of professional organizations who require continuing education activities because the half-life of many professionals is now less than 10 years as a result of technological change, legal requirements and exponential knowledge growth; and
- Geographically mobile families and individuals, many of whom have difficulty in consolidating their efforts toward degree completion.

"Institutions which ignore these groups," the report by the Office of Institutional Analysis and Planning comments, "will run the substantial risk of becoming as obsolete as buggy whip manufacturers in the automobile age."

The same report says a federal government study has found that the two barriers of finance and time are the reasons most frequently given for not pursuing higher education.

The report adds: "Institutional barriers such as residency requirements, transfer credit, time and place of course offerings and insufficient support services are also very significant. Thus, all institutions need to re-examine their policies, procedures and requirements to ensure that these barriers are removed."

All B.C. post-secondary institutions are suited to offer education services to these groups, the report says, "although UBC, with general, professional and health sciences faculties, "is the only institution able to service *all* these needs."

Its uniqueness rests with its comprehensive range of professional faculties, including Agriculture, Commerce, Education, Engineering, Forestry and Law, as well as such health sciences areas as Medicine, Dentistry, Nursing and Pharmacy.

"Thus, while all higher education institutions need to focus more attention on the mature-adult constituencies," the report says, "UBC should give priority to the needs of the professional and managerial constituencies.

"In this way the particular strengths of UBC can contribute most effectively to serving the educational needs of all residents of this province."

The reports also recommend that UBC:

- Establish its presence in downtown Vancouver and augment its offerings outside the metropolitan area while looking for innovative ways, e.g., electronic technology, to carry out its mandate and better serve its adult clientele;
- Examine and establish funding priorities for the total university enterprise, paying due regard to the new constituencies for post-secondary education;
- Examine and re-examine questions such as the implication of the extended day, the integration of year-round operation of credit courses, experiential learning, credit for experience, course credit challenge, transfer of credit and the current 15-unit limit on guided independent study; and
- Provide better access by new-constituency students to student support services.

Both reports use federal government and university enrolment figures to make the case for a expansion of education services in the decades ahead.

What has largely gone unnoticed in the shifts in age and educational attainment profiles of the Canadian population over the last 20 years "is the dramatic increase in the mature adult (i.e. 25 and up) population and the changes in the age composition of university registrants," says the report prepared by the Office of Institutional Analysis and Planning.

The number of people in the 25-44 age category has risen from 3 million in 1960 to an estimated 5.5. million in 1980 and its predicted to rise to 8.1 million by the year 2000, the report says.

Paralleling this general population growth, the same age cohort has increased markedly as a proportion of university degree-credit registrations. In 1964 at UBC, registrants aged 25-44 and over 45 made up 18 per cent of the University's total winter session enrolment. In 1979, these age groups accounted for more than 32 per cent of total winter enrolment.

The report comments: "When public officials comment upon expected declines in university enrolments due strictly to declines in the number of 18-year-olds, they are consequently ignoring a very significant population group which comprises nearly one-third of total enrolments!"

Another little-known fact cited in the report is the increasing percentage of Canadians who are obtaining post-secondary education.

Projections show that by the year 2000 more than 50 per cent of the 25-34-year-olds and 48 per cent of 34-44-year-olds will have completed some form of post-secondary education. "The evidence is that those who participate in higher education are most likely to do so in the future," the report comments.

These dramatic changes in age profile and educational attainment will result in "gradual but significant 'revolutions' in all spheres of Canadian life," the report concludes.

New programs get Senate OK

A number of new programs received academic approval from the UBC Senate at its January meeting:

- A new major in music theory in the Faculty of Arts;
- A new program leading to the degree of Doctor of Education in curriculum studies offered by the education faculty's Department of Curriculum and Instructional Studies; and
- A new Ph.D. program in human learning, development and instruction offered by the Department of Educational Psychology in the Faculty of Education.

The latter program is the first Doctor of Philosophy degree to be offered in the Faculty of Education, Acting Dean Roy Bentley told Senate.

Senate also approved four new courses and numerous changes in the description of courses offered by the School of Physical Education and Recreation in the program leading to the degree of Bachelor of Recreation Education.

The changes approved by Senate complete an extensive revision of the BRE program aimed at training specialized professionals to initiate, promote and manage community recreation activities.

Senate also approved six new courses and the introduction of seven combined honors programs resulting from the transfer of the former Institute of Oceanography into the Faculty of Science as a department.

The new courses will be available in the 1982-83 academic year, when it is planned to have the combined honors programs in place.

Students will be able to take combined honors in oceanography and any one of the following disciplines — biology, botany, zoology, chemistry, physics, geology and geophysics.

GRANT DEADLINES

March 1

American Chemical Society: PRF Research Type AC.
B.C. Health Care Research Foundation Development and Training Fellowship.
B.C. Health Care Research Foundation Research Grant.
B.C. Health Care Research Foundation Research Scholar Award.
Banting Research Foundation Research Grant.
Canada Council: Explorations Program Grant.
Canada Israel Foundation for Academic Exchanges Canadian Studies Program at Hebrew University.
Huntington's Chorea Foundation (US) Research Grant.
Juvenile Diabetes Foundation (US) Research Grant.
SSHRC: International Relations Division Bilateral Exchange: China.
SSHRC: International Relations Division Travel Grants for International Representation.
SSHRC: International Relations Division Travel Grants for International Scholarly Conferences.
US Dept. of Health, Education and Welfare NIH Grants to Foreign Institutions.
Von Humboldt Foundation (W. Germany) Research Fellowship.
Woodward's Foundation (Mr. and Mrs. P.A.) Foundation Grants.

March 6

Canada Mortgage and Housing Corporation Research Contract Type B (over $2,500).

March 14

National Cancer Institute of Canada Terry Fox Special Initiatives Program.

March 15

Bronfman Foundation Seagram Business Faculty Award.
Canadian Diabetes Association Charles H. Best Fund.
International Atlantic Salmon Foundation Fellowship.
Leon and Thea Koerner Foundation Grants.
NSERC: International Relations Division CIDA/NSERC Research Associates: Developing Countries.
NSERC: International Relations Division International Collaborative Research.
NSERC: International Relations Division International Scientific Exchange Awards.
NSERC: International Relations Division Scientific Exchanges: France, Brazil, Czechoslovakia and Japan.
Royal Geographical Society Bursaries.
Royal Society Commonwealth Bursaries Scheme.

March 25

National Institute of Education (US) Research on Postsecondary Education Institutions.

March 31

Arctic Institute of North America Northern Studies Fellowship.
North Atlantic Treaty Organization International Collaborative Research.
SSHRC: Strategic Grants Division Library: Strengthening of Specialized Collections.

Government plan means changes

UBC employees who are members of the MSA dental care plan and who have children aged 14 and under stand to gain as the result of the implementation of the B.C. government's denticare scheme.

The government's denticare scheme provides for payment of 100 per cent of the cost of an annual checkup and 50 per cent of basic dental services provided under the "A" section of the MSA plan up to a maximum of $700 in any one year for children aged 14 and under.

The UBC plan provides for payment of 70 per cent of services provided under the "A" section.

In order to integrate the UBC plan with the government scheme, the University will assume 50 per cent of the costs incurred under the "A" section of the plan so that all services for 14 year olds and under will be covered up to a maximum of $700 a year.

MSA payments will be based on the schedule of fees agreed to between the government and B.C. dentists. Some dentists may make additional charges and subscribers to the MSA plan should enquire about this possibility before treatment begins.

Subscribers should also ensure that their dentist is a participant in the government scheme, otherwise they may be faced with submitting their own claims for services. There will be no change in payment procedures for UBC subscribers who are patients of dentists who participate in the government scheme.

Two, Few, Many; base broad for medicine talks

Nine illustrated lectures on the history of medicine will be given during the noon-hour in the Instructional Resources Centre starting on Feb. 10.

The lectures, by John Norris, chairman of the division of the history of medicine and science at UBC, are in three sections, with three talks each on clinical medicine ('The World of the Two'), scientific medicine ('The World of the Few'), and social medicine ('The World of the Many').

Dr. Norris said the lectures are intended to illustrate some of the ways in which the intimate doctor-patient environment of clinical medicine, the intellectualized environment of scientific medicine and the public environment of social medicine have interacted with one another and with society in the course of Western history.

Each talk is one hour long, and each starts at 12:30 p.m.

Dates and topics:

Feb. 10, IRC Lecture Room No. 4, Clinical Medicine in the Pre-Scientific Age; Feb. 11, IRC 1, The Wedding of Clinical and Scientific Medicine; Feb. 12, IRC 1, Clinical Medicine in the Last Part of the Twentieth Century: The Prospect Before Us.

Feb. 17, IRC 5, Galenism and its Survival; Feb. 18, IRC 4, The Evolution of a Scientific Pathology; Feb. 24, IRC 4, Disease, Diagnosis and Treatment: The Example of Syphilis.

Feb. 25, IRC 1, Pre-Scientific Public Health and Preventive Medicine; Feb. 26, IRC 1, Preventive and Occupational Medicine in the Scientific Era; March 3, IRC 4, Medical Social Responsibility: Its Roots and Development.

These lectures will be repeated on the VGH campus at 12:30 p.m. on March 10, 11, 12, 17, 18 and 19 (Lecture Hall B), March 25 (TB Auditorium) and March 26 and 27 (Lecture Hall B).

Legion chair in geriatrics established

UBC's Senate approved establishment of an endowed chair in the medical school's Department of Family Practice and a new department in the Faculty of Education at its January meeting.

The family practice chair will be called the Mount Pleasant Legion Professorship in Community Geriatrics to reflect the operating and endowment funding being provided by the Legion branch for a program in the family practice department.

The eighth department to be formed in the Faculty of Education is the Department of Administrative, Adult and Higher Education. The decision by the Faculty of Education to departmentalize stems from a recommendation included in the report of a review committee on the Faculty of Education established by President Douglas Kenny.

Seven other departments were given Senate approval last April.

Tropics topic of forest talks

The founder of Weldwood of Canada, John Bene, will give two noon-hour talks on forestry in the tropics, today (Feb. 4) and next Wednesday (Feb. 11) in MacMillan 166.

Bene, an engineer, was responsible for major pioneering developments in the B.C. forest industry. Since leaving Weldwood, as president of the company, 12 years ago he has had extensive experience in international forestry and in Canadian international aid programs.

His talk at 12:30 p.m. today is on "Trees in Tropical Land Management." Next week, it's "Forest Management in the Semi-Arid Tropics."

Both talks are free, and open to all.

Suncor provides fellowship funds

Suncor Inc. has announced a three-year program that will provide $180,000 for doctoral fellowships in management and administrative studies at Canadian universities, one of them UBC.

Peter Lusztig, Dean of Commerce and Business Administration at UBC, recently accepted a first-year cheque for $10,000 from Suncor president Ross Hennigar in Toronto.

Hennigar said the oil industry requires decision-making skills.

Child language conference set for UBC

The International Association for the Study of Child Language will hold its second international congress at UBC in August, and the deadline is approaching for presentation of abstracts.

Members of the association are eligible to present papers at the Aug. 9-14 congress, and membership is open to anyone with an interest in the study of child language

Carol Thew of UBC's Faculty of Education is congress chairperson. She can be reached for further information at 228-5570 or 228-5788.

UBC reaches agreement on Discovery Park

U.B.C.'s Board of Governors announced Tuesday night that they had reached an agreement for proceeding with the establishment of a 58-acre research park on the southeast campus.

A detailed legal agreement will be worked out in final negotiations with Discovery Parks Incorporated.

Board Chairman Leslie Peterson said that the agreement would pay particular attention to attracting high technology research in areas likely to enhance the economic growth of British Columbia.

U.B.C. President Douglas Kenny welcomed the agreement.

"The University community wants a Discovery Park, and we now feel we have an agreement which takes our concerns and those of the wider community into consideration," he said.

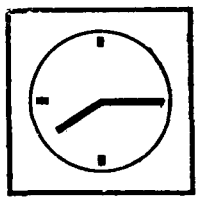
The agreement with UBC is the fourth in a series which will permit the province's Discovery Parks Incorporated to seek tenants for research parks at Simon Fraser University, the University of Victoria, BCIT and UBC.

UBC CALENDAR

UBC Calendar Deadlines

For events in the weeks of Feb. 22 and March 1, material must be submitted not later than 4 p.m. on Feb. 12.
Send notices to Information Services, 6328 Memorial Rd. (Old Administration Building). For further information, call 228-3131.

The Vancouver Institute.



Saturday, Feb. 7
PET: A Radiochemist's View of a Brain at Work. Dr. Brian D. Pate, associate director, TRIUMF, UBC.

Saturday, Feb. 14
A Folk Epic of South India: Hierarchy, Heroism and Fate. Prof. Brenda Beck, Anthropology, UBC.

Both lectures are in Lecture Hall 2, Woodward Instructional Resources Centre at 8:15 p.m.

SUNDAY, FEB. 8

B.C. Gardens.
Fourth in a series of CBC television programs featuring the UBC Botanical Gardens as an anchor point for a province-wide look at horticulture. Hosts: David Tarrant, Botanical Gardens educational co-ordinator, and CBC personality Bob Switzer. Today's program looks at Butchart Gardens. CBC, Channel 3. 11:30 a.m.

Subfilms.
Gone with the Wind. Admission is $1 with AMS card. Auditorium, Student Union Building. 7:00 p.m.

A Very Special Building.
Bianca Barnes, of the UBC Main Library, has produced a film featuring the Museum of Anthropology. The film looks at various aspects of the museum, including its planning and construction, and the artwork contained in it. It will be shown tonight on Northshore Cable 10. 10:30 p.m.

MONDAY, FEB. 9

Cancer Research Seminar.
Radiation Protection in Public Health. Dr. Wayne Green, director, Radiation Protection Services, Ministry of Health. Lecture Theatre, B.C. Cancer Research Centre, 601 W. 10th Ave. 12:00 noon.

Koerner Foundation Lecture.
Poetry in Language: The Necessary Art. Prof. Ralph Gustafson, writer-in-residence, Bishop's University, Lennoxville, Quebec. Penthouse, Buchanan Building. 12:30 p.m.

Gay Week.
Opening Luncheon. Speaker to be announced. Advance tickets only ($7). For more information, call 228-4638. Faculty Club. 12:30 p.m.

Planetary Economics Series.
A Sense of Place. Room 308, Library Processing Building. 12:30 p.m.

Applied Mathematics Seminar.
Boundary-Layer Flow Over Low Hills and Wind Turbine Siting Considerations. Dr. Peter Taylor, Boundary-Layer Research Division, Environment Canada, Downsview, Ont. Room 203, Mathematics Building. 3:45 p.m.

Biochemical Discussion Group Seminar.
Bacteriophage 0W14 and Its Unusual DNA. Dr. A.J. Warren, Microbiology, UBC. Lecture Hall 3, Woodward Instructional Resources Centre. 4:00 p.m.

Pharmaceutical Sciences Seminar.
Calmodulin and Plasma Membrane Calcium Transport. Prof. Frank Vincenzi, Pharmacology, University of Washington, Seattle. Lecture Hall 3, Woodward Instructional Resources Centre. 4:00 p.m.

Astronomy Seminar.
A Crisis in the Theory of Stellar Evolution. Dr. Icko Iben, Jr., Astronomy, University of Illinois. Room 318, Hennings Building. 4:00 p.m.

Zoology "Physiology Group" Seminar.
Limits to Performance in Athletics. Dr. E. Bannister, Kinesthesiology, SFU. Room 2449, Biological Sciences Building. 4:30 p.m.

Gay Week.
Spiritual fellowship potluck dinner, followed by a discussion: Is there a gay spirituality? Lutheran Campus Centre. 5:30 p.m.

TUESDAY, FEB. 10

Public Speaking Workshop.
The Women Students' Office begins a three-week workshop on public speaking. Pre-registration is necessary in Room 203, Brock Hall. For more information, call 228-2415. Room 223, Brock Hall. 11:30 a.m.

Zoology Seminar.
Science Education and Society: Challenge for the 80's. Dr. D.T. Suzuki, Zoology, UBC. Room 2000, Biological Sciences Building. 12:30 p.m.

Botany Seminar.
Architecture of the Photosynthetic Membranes of Higher Plants and Green Algae. Dr. B.R. Green, Botany, UBC. Room 3219, Biological Sciences Building. 12:30 p.m.

Weekly Weather Briefing.
Weekly lunch hour weather map discussions are held every Tuesday. All interested students, faculty and staff are invited to attend. Room 215, Geography Building. 12:30 p.m.

The Doctor and the Other Series.
Clinical Medicine in the Pre-Scientific Age. Dr. John Norris. First in a series of nine illustrated lectures on the history of medicine. Lecture Hall 4, Woodward Instructional Resources Centre. 12:30 p.m.

Gay Week.
Gays and Lesbians as Patients. Presented by the Lesbian/Gay Health Sciences Association. Lecture Hall 5, Woodward Instructional Resources Centre. 12:30 p.m.

Asian Research Noon-Hour Series.
Visions of the New Society – A Report on Contemporary Developments in the Philippines. Rod Haynes, Geography, UBC. Room 106, Buchanan Building. 12:30 p.m.

Freesee Film Series.
West Meets East, the fifth in this series with the general title The Long Search. Auditorium. Student Union Building. 12:30 p.m.

Faculty Women's Club Meeting.
The February meeting will include a business meeting, a presentation on Families for Children by Tove Kilburn and a fashion show. Babysitting provided. For more information, call 736-9359 or 261-9007. Cecil Green Park. 1:00 p.m.

Modern Chemical Science Seminar.
Looking at Orbitals in the Laboratory. Dr. C.E. Brion. Room 225, Chemistry Building. 1:30 p.m.

Oceanography Seminar.
Fraser River: Part 2A. The Effect of the Salt Wedge on Trace Metals. Dr. W.K. Fletcher, Geological Sciences, UBC; Part 2B. The Response of a Bioassay Organism to the Salt Wedge Effect on Trace Metals. Dr. A.G. Lewis, Oceanography, UBC. Room 1465, Biological Sciences Building. 3:30 p.m.

Management Science Seminar.
Strong and Weak Convexity of Sets and Functions. Prof. Vial, Centre for Operations Research and Econometrics, Louvain, Belgium. Room 312, Angus Building. 3:30 p.m.

Chemistry Research Conference Series.
Dr. G.C. Levy, Chemistry, Florida State University, Tallahassee. Room 250, Chemistry Building. 4:30 p.m.

UBC Public Affairs.
What Can Canada Expect from the Reagan Presidency? Dr. Richard Johnston and Dr. David Haglund, Political Science, UBC, with host Gerald Savory. Cable 10, Vancouver Cablevision. (Program will be repeated on Wednesday, Feb. 11 at 3:00 p.m.) 9:00 p.m.

WEDNESDAY, FEB. 11

Science and the Citizen.
Science and the Citizen. Dr. David Suzuki, Zoology, UBC. Auditorium, Robson Square Media Centre. 12:00 noon.

Pharmacology Seminar.
The Organization of Proteins in Retinal Rod Photoreceptor Membranes. Dr. Robert S. Molday, Biochemistry, UBC. Room 114, Block C, Medical Sciences Building. 12:00 noon.

The Doctor and the Others Series.
The Wedding of Clinical and Scientific Medicine. Dr. John Norris. Lecture Hall 1, Woodward Instructional Resources Centre. 12:30 p.m.

Forestry Lecture.
Forest Management in the Semi-Arid Tropics. Mr. John Bene. Room 166, MacMillan Building. 12:30 p.m.

Gay Week.
Gay People in the Law Profession. Presented by the Gay/Lesbian Law Association. Room 169, Law Building. 12:30 p.m.

Religious Studies Lecture.
Warriorship and the Way of Meditation. Loppon Lordro Dorje Holm, dean, Three Yana Studies, Vajradhatu. Room 102, Buchanan Building. 12:30 p.m.

Simulation and Modelling in Science.
MacDonald's Model for Malaria. Dr. D. Ludwig, Mathematics, UBC. Room 105, Mathematics Building. 12:30 p.m.

Ascent of Man Series.
Starry Messenger. Room 308, Library Processing Building. 12:30 p.m.

Wednesday Noon-Hour Concert.
Music of Haydn and Brahms. Lee Kum-Sing, piano; Akira Nagai, violin; and Paula Kiffner, cello. Recital Hall, Music Building. 12:30 p.m.

Religious Studies Seminar.
Vajradhatu: A Movement of Buddhism in America, its History, Program and Problems. Loppon Lordro Dorje Holm, dean, Three Yana Studies, Vajradhatu. Penthouse, Buchanan Building. 2:30 p.m.

Geological Sciences Lecture.
Plate Tectonics, Organic Matter, and Basin Evaluation for Petroleum Potential. Dr. Colin Barker, Geosciences, University of Tulsa, Ok. Room 330A, Geological Sciences Building. 3:30 p.m.

Animal Resource Ecology Seminar.
In Praise of Description: The Need for Alpha Ethology. Dr. Edward H. Miller, Vertebrate Zoology Division, B.C. Provincial Museum, Victoria. Room 32, Hut B-2. 4:00 p.m.

Zoology Seminar.
Science Education and Society: Challenge for the 80's. Dr. D.T. Suzuki, Zoology, UBC. Room 2000, Biological Sciences Building. 4:30 p.m.

Comparative Literature Lecture.
Hubert Aquin and Highbrow Pornography. Patricia Merivale, English, UBC. Penthouse, Buchanan building. 4:30 p.m.

THURSDAY, FEB. 12

Psychiatry Lecture.
Dementia of the Alzheimer's Type: Clinical Genetics, Natural History, and Associated Conditions. Dr. Leonard L. Heston, Genetics, Psychology and Psychiatry, University of Minnesota. Lecture Theatre, Psychiatric Unit, Health Sciences Centre Hospital. 9:00 a.m.

SUB Special Luncheon.
UBC Dietetics 4 presents a special luncheon with your heart in mind. Everyone welcome. Snack Bar, Student Union Building. 11:30 a.m. to 1:00 p.m.

Biochemical Diseases Seminar.
A Diagnostic Dilemma – San Filippo Syndrome? Sui Li Yong, D.A. Applegarth and J.R. Toone. Population Pediatric Conference Room, Children's Hospital, 250 W. 59th Ave. 11:30 a.m.

Koerner Foundation Lecture.
Literacy and Language Awareness. Prof. Charles Ferguson, Linguistics, Stanford University, Calif. Room 104, Buchanan Building. 12:30 p.m.

Faculty Association Information Session.
Pensions, Economic Benefits and Estate Planning. Room 157, Law Building. 12:30 p.m.

UBC Symphony Orchestra.
Music of Debussy, Mozart and Brahms. Douglas Talney, director. Recital Hall, Music Building. 12:30 p.m.

Mechanical Engineering Seminar.
Naval Architecture and Ship Motions. Dr. S.M. Calisal. Room 2054, Civil and Mechanical Engineering Building. 12:30 p.m.

The Doctor and the Others Series.
Clinical Medicine in the last part of the Twentieth Century: The Prospect Before Us. Dr. John Norris. Lecture Hall 1, Woodward Instructional Resources Centre. 12:30 p.m.

Gay Week.
Michael, a Gay Son. Room 202, Buchanan Building. 12:30 p.m.

Biomembrane Discussion Group Seminar.
Effects of Ozone and Plant Hormones on Membranes. Dr. K. Peter Pauls, Biology, University of Waterloo, Ont. Lecture Hall 5, Woodward Instructional Resources Centre. 4:00 p.m.

Physics Colloquium.
Experiments with Low Energy Antiprotons. Dr. B.L. White, Physics, UBC. Room 201, Hennings Building. 4:00 p.m.

Subfilms.
Apocalypse Now. Continues until Sunday, Feb. 15. Admission is $1 with AMS card. Auditorium, Student Union Building. Showings are at 7:00 and 9:45 p.m.

CUSO Lecture.
Refugees in the Third World. Dr. John Conway. Admission is $1. Advance registration is recommended. For more information, call 228-4886. Upper Lounge, International House. 7:30 p.m.

Orthopaedic Evening Conference.
The conference will include speakers Dr. P.K. Van Peteghem, Dr. Peter Wing, Dr. J.F. Schweigel and Dr. W.J. Thompson. Conference Room D-308, Shaughnessy Hospital. 8:00-10:00 p.m.

Faculty Recital.
Music of Ruggieri, Giuliani, Castelnuovo-Tedesco and Boccherini. Giuliani Players: Robert Jordan, guitar; Mark Koenig, violin; Evelyn Creaser, violin; David Gaudry, viola; and Kristl Armstrong, cello. Recital Hall, Music Building. 8:00 p.m.

FRIDAY, FEB. 13

Gay Week.
NDP M.P. Svend Robinson, parliamentary rights advocate. Room 205, Student Union Building. 12:30 p.m.

Developmental Medicine Seminar.
Model System for the Genetic Analysis of Muscle Mutants. Dr. David Baillie, Biology, SFU. First Floor Seminar Room, Willow Pavilion, Vancouver General Hospital. 12:30 p.m.

Medical Genetics Seminar.
Clinical Case Presentations Plus Report on the CCMG Meeting. Dr. B. McGillivray, Dr. P.M. MacLeod, and Dr. S.L. Yong. First Floor Conference Room, Health Centre for Children. 1:00 p.m.

Koerner Foundation Colloquium.
Cognitive Models of Phonological Development. Prof. Charles Ferguson, Linguistics, Stanford University, Calif. Room 2225, Buchanan Building. 3:30 p.m.

Chemical Engineering Seminar.
Fouling Deposits in Electrodialysis. A. Tremblay. Room 206, Chemical Engineering Building. 3:30 p.m.

Chemistry Seminar.
Studies on the Total Synthesis of Triterpenes. Prof. John ApSimon, Chemistry, Carleton University, Ottawa. Room 126, Chemistry Building. 3:30 p.m.

Institute of International Relations Seminar.
Canada/European Communities Economic Co-operation under the Framework Agreement. A.F. Burger, Department of External Affairs, Ottawa. Penthouse, Buchanan Building. 3:30 p.m.

Swimming.
UBC Thunderbirds men's team meets Portland State University. Aquatic Centre. 5:30 p.m.

Women's Gymnastics.
UBC hosts Boise State University in Idaho at the Osborne Centre on Thunderbird Blvd. 6:00 p.m.

Women's Basketball.
The University of Calgary visits UBC to meet the Thunderettes. War Memorial Gymnasium. 6:45 p.m.

Gay Week.
Comedian Robin Tyler. Admission is $5; $4 for students. Tickets are available at Concert Box Offices, AMS Box Office, Gay People of UBC, Passacagalia Books, Ariel Books and Octopus Books. Lecture Hall 2, Woodward Instructional Resources Centre. 8:00 p.m.

UBC Symphony Orchestra.
Music of Debussy, Mozart and Brahms. Douglas Talney, director. Recital Hall, Music Building. 8:00 p.m.

Men's Basketball.
UBC Thunderbirds play the University of Calgary in the War Memorial Gymnasium. 8:30 p.m.

SATURDAY, FEB. 14

Gay Week.
Workshop with Robin Tyler. Admission by donation. Room 207/209, Student Union Building. 11:30 a.m.

Women's Basketball.
UBC Thunderettes meet the University of Calgary in the second of two weekend matches. War Memorial Gymnasium. 6:45 p.m.

Men's Basketball.
A rematch between the UBC Thunderbirds and the University of Calgary in the War Memorial Gymnasium. 8:30 p.m.

Gay Week.
Valentine's Day Dance. Admission is $3. Graduate Student Centre. 9:00 p.m.

SUNDAY, FEB. 15

B.C. Gardens.
Fifth in a series of CBC television programs featuring the UBC Botanical Gardens as an anchor point for a province-wide look at horticulture. Hosts: David Tarrant, Botanical Garden educational co-ordinator, and CBC personality Bob Switzer. Today's program looks at Queen Elizabeth Park and the Van Dusen Gardens. CBC Channel 3. 1:00 p.m.

International House Meeting.
International House would like to form a community liaison group from the community membership. Anyone interested is invited to attend a meeting to discuss the idea. Upper Lounge, International House. 2:00 p.m.

Continued on page 8

UBC CALENDAR

continued from page 7

MONDAY, FEB. 16

Computing Centre Lecture.
SPSS, the first in a series of six lectures by Mr. A. Byrd of the UBC Computing Centre. Pre-register by calling 228-6611. Room 447, Computer Sciences Building. 9:30 a.m.

Time Management Workshop.
The Women Students' Office begins a three-week workshop on time management. Pre-registration required in Room 203, Brock Hall. For more information, call 228-2415. Room 223, Brock Hall (Women Students' Lounge). 11:30 a.m.

Cancer Research Seminar.
Pharmacokinetic Considerations in the Development of New Sensitizers. Dr. J. Martin Brown, Radiology, Stanford University School of Medicine. Lecture Theatre, B.C. Cancer Research Centre, 601 W. 10th Ave. 12:00 noon.

Planetary Economics Series.
The Disappearing Land. Room 308, Library Processing Building. 12:30 p.m.

Computing Centre Lecture.
Advanced MTS Commands and Files, the first in a series of six lectures by Mr. T. Buckland of the UBC Computing Centre. Pre-register by calling 228-6611. Room 447, Computer Sciences Building. 2:30 p.m.

Applied Mathematics Seminar.
Numerical Solution of a Dynamic Programing Equation with One State Variable and One Uncertain Parameter. Dr. Don Ludwig, Mathematics, UBC. Room 203, Mathematics Building. 3:45 p.m.

Astronomy Seminar.
Star Formation. Dr. Bart Bok, Steward Observatory, University of Arizona. Room 318, Hennings Building. 4:00 p.m.

TUESDAY, FEB. 17

Forestry Two-Day Course.
Evaluation of the Effects of Intensive Forest Management on Timber and Biomass Yield Utilizing the Computer Simulation Model FORCYTE. Dr. Hamish Kimmins and Kim Scoullar, Forestry, UBC. Harrison Hot Springs, B.C. The Feb. 17 program runs from 9:00 a.m. to 4:30 p.m. On Wednesday, Feb. 18 the program continues at the UBC Computing Centre from 8:00 a.m. to 6:30 p.m. For more information, call 228-6108 or 228-6821.

Forestry Off-Campus Course.
Log Population Forecasting from Tree Taper Equations. Dr. A. Kozak, Forestry, UBC. Enrolment limited. For more information, call 228-6108 or 228-6821. Harrison Hot Springs, B.C. 9:00 a.m.

Asian Research Noon-Hour Series.
Sad Song of Yellow Skin. Room 106, Buchanan Building. 12:30 p.m.

Freesee Film Series.
Loose Ends, the sixth in this series with the general title The Long Search. Auditorium, Student Union Building. 12:30 p.m.

Botany Seminar.
Applications of Insect Pheromone Research in Agriculture. Dr. Ted Underhill, Prairie Regional Laboratory of the National Research Council. Room 3219, Biological Sciences Building. 12:30 p.m.

The Doctor and the Others Series.
Galenism and its Survival. Dr. John Norris. Lecture Hall 5, Woodward Instructional Resources Centre. 12:30 p.m.

Dentistry Lecture.
The Caries Producing Potential of Food: A New Method of Appraisal. Prof. Finn Brudevold, Forsyth Dental Centre, Boston, Mass. Lecture Hall 4, Woodward Instructional Resources Centre. 12:30 p.m.

Panel Discussion.
The Women Students' Office presents a panel discussion on Women in Politics. Speakers: R. Brown, Y. Cocke, B. Gerard, P. Marchak and L. Erickson. Room 100, Buchanan Building. 12:30 p.m.

Weekly Weather Briefing.
Weekly lunch hour weather map discussions are held every Tuesday. All interested students, faculty and staff are invited to attend. Room 215. Geography Building. 12:30 p.m.

Linguistics Colloquium.
French OBEIR and the Nature of Grammatical Structure. Dr. Paul M. Postal, IBM Watson Research Center. Penthouse, Buchanan Building. 12:30 p.m.

Electrical Engineering Seminar.
The Proposed Canadian Very-Long-Baseline Array. Dr. T.H. Legg, Herzberg Institute of Astrophysics, National Research Council. Room 402, Electrical Engineering Building. 1:30 p.m.

Modern Chemical Science Seminar.
Coordination Polymers. Dr. R.C. Thompson. Room 225, Chemistry Building. 1:30 p.m.

Oceanography Seminar.
Tidal Resonance on the Barrier Reef. Prof. V.T. Buchwald, dean of Science, University of New South Wales, Sidney, Australia. Room 1465, Biological Sciences Building. 3:30 p.m.

Management Science Seminar.
Optimal Exploitation of Energy Resources: Solar Power and Electricity Generation in Below Sea Level Basins. Prof. E. Hochman, Economics, Ben-Gusion University in the Nagev, Israel. Room 312, Angus Building. 3:30 p.m.

Biomembrane Discussion Group Seminar.
Nuclear Magnetic Resonance Studies of Micro-organisms. Dr. I.C.P. Smith, National Research Council. Lecture Hall 1, Woodward Instructional Resources Centre. 4:00 p.m.

Chemistry Research Conference Series.
Metal Silane Chemistry: New Metal-Carbon Bond Forming Reactions, Organic Transformations, and Insights into Catalytic Hydrosilylation. Dr. J.A. Gladysz, Chemistry, UCLA. Room 250, Chemistry Building. 4:30 p.m.

WEDNESDAY, FEB. 18

Forestry Off-Campus Course.
Intensive Management: Some Pitfalls and Problems . . . an Assessment. Dr. Don Reimer, MacMillan Bloedel; Evelyn Wrangler and Charles Johnson, Ministry of Forests; and Larry Promnitz, Crown-Zellerbach. Enrolment limited. For more information, call 228-6108 or 228-6821. Harrison Hot Springs, B.C. 9:00 a.m.

Science and the Citizen.
Where are Computers Going? Paul C. Gilmore, head, Computer Science, UBC. Auditorium, Robson Square Media Centre. 12:00 noon.

Ascent of Man Series.
Majestic Clockwork. Room 308, Library Processing Building. 12:30 p.m.

Wednesday Noon-Hour Concert.
Music of Imbrie and Liang. UBC Contemporary Players, directed by Stephen Chatman, with guest composer, Andrew Imbrie, and guest trombonist, Phil Brink. Recital Hall, Music Building. 12:30 p.m.

Simulation and Modelling in Science.
Mathematical Modelling of Fisheries. Dr. Colin W. Clark, Mathematics, UBC. Room 105, Mathematics Building. 12:30 p.m.

Dentistry Faculty Seminar.
The Caries Inhibiting Effect of Phosphate: A Puzzle in Preventive Dentristry. Dr. Finn Brudevold, Forsyth Dental Center, Boston, Mass. Lecture Hall 1, Woodward Instructional Resources Centre. 12:30 p.m.

The Doctor and the Others Series.
The Evolution of a Scientific Pathology. Dr. John Norris. Lecture Hall 4, Woodward Instructional Resources Centre. 12:30 p.m.

Institute of International Relations Seminar.
Current Issues in Multilateral Trade. Peter Lande, economic counsellor, Embassy of the United States, Ottawa. Penthouse, Buchanan Building. 2:00 p.m.

Animal Resource Ecology Seminar.
What Drives the Snowshoe Hare Cycle? The View from the Yukon After Five Years. Dr. A.R.E. Sinclair, J.N.M. Smith, and C.J. Krebs, Zoology, UBC. Room 32, Hut B-2. 4:00 p.m.

Mackay Lecture Series.
Problems of Periglacial Research. Prof. A.L. Washburn, Geological Science, Quaternary Research Centre, University of Washington, Seattle. Room 100, Geography Building. 8:00 p.m.

Senate Meeting.
A limited number of tickets for the observers' gallery are available and must be applied for at least 24 hours in advance of the meeting. Call Frances Medley, clerk to Senate, 228-2951. Senate meets in the Board and Senate Room, Old Administration Building. 8:00 p.m.

THURSDAY, FEB. 19

Faculty Association Information Session.
Planning for the Retirement Years. An all-day session for faculty members and spouses within 12 years of retirement. Advance registration required. Call 228-3883 or 228-2181 for information.

Subfilms.
Aguirre, the Wrath of God. Continues until Sunday, Feb. 22. Showings are 7:00 and 9:30 p.m. on Friday and Saturday, and 7:00 p.m. on Sunday. Admission is $1 with AMS card. Auditorium, Student Union Building. 7:00 p.m.

CUSO Presentation.
The Pacific Rim Trade Region. Rod Haynes and Geoff Hainsworth. Admission is $1. Advance registration is recommended. For more information, call 228-4886. Upper Lounge, International House. 7:30 p.m.

FRIDAY, FEB. 20

Koerner Foundation Lecture.
The Sceptic in his Time and Place. Prof. Myles Burnyeat, Classics, Cambridge University. Room 157, Law Building. 12:30 p.m.

Developmental Medicine Seminar.
Mechanisms That Regulate Growth and Differentiation in the Hemopoietic System. Dr. Connie Eaves, B.C. Cancer Research. First Floor Seminar Room, Willow Pavilion, Vancouver General Hospital. 12:30 p.m.

Medical Genetics Seminar.
Molecular Basis of Genetically Restricted T Cell Activation. Dr. G.T. Nepon, Harvard University. First Floor Conference Room, Health Centre for Children. 1:00 p.m.

Music Colloquium.
Some Practical Problems in Applied Musicology in the Preparation of the Brahms Thematic Catalogues. M.L. McCorkle, director, Brahms Cataloguing Project. Seminar Room, Music Library. 3:30 p.m.

Koerner Foundation Seminar.
Greek Scepticism. Prof. Myles Burnyeat, Classics, Cambridge University. Penthouse, Buchanan Building. 3:30 p.m.

Ice Hockey.
The University of Saskatchewan visits UBC for the first of two weekend games. Thunderbird Winter Sports Centre. 8:00 p.m.

SATURDAY, FEB. 21

Solar Renovations Seminar.
A seminar presented by UBC's Centre for Continuing Education on Energy Efficient Home Improvements. It continues until 5:00 p.m. Fee is $25. For more information, call 228-2181, locals 259 or 260. Second Floor, library, Britannia Community Centre, 1661 Napier St., Vancouver. 8:30 a.m.

Promoting Change Workshop.
A workshop presented by UBC's School of Nursing and Continuing Nursing Education. It continues until 4:00 p.m. Fee is $50. For more information, call 228-3055. Room 295, Faculty Lounge, Acute Care Unit. 9:00 a.m.

Ice Hockey.
The second of two weekend matches between the UBC Thunderbirds and the University of Saskatchewan. Thunderbird Winter Sports Centre. 8:00 p.m.

Notices...

Food Service Hours
During the mid-term break on Feb. 19 and 20, the following food service hours will be in effect: The Auditorium Snack Bar, Buchanan Snack Bar, Education Snack Bar and Ponderosa Snack Bar will be closed. The Barn Coffee Shop will be open from 7:45 a.m. to 3:45 p.m.; the IRC Snack Bar will be open from 8:00 a.m. to 3:45 p.m.; the Bus Stop Coffee Shop will be open from 7:45 a.m. to 4:00 p.m.; the Student Union Building Snack Bar will be open from 7:45 a.m. to 7:00 p.m. on Feb. 19, and from 7:45 a.m. to 4:00 p.m. on Feb. 20.

Dorothy Somerset Studio
The Dorothy Somerset Studio presents Uncommon Women and Others by Wendy Wasserstein, Tuesday, Feb. 10 through Saturday, Feb. 14. Curtain time is 8:00 p.m. except for Feb. 14 when there will be two performances, at 5:00 p.m. and 8:30 p.m. Admission is $4; $3 for students. For ticket reservations, call 228-2678, or drop by Room 207 of the Frederic Wood Theatre Building.

Final Doctoral Examinations
The upcoming dates for doctoral orals at UBC are as follows: Tuesday, Feb. 17 – Gerald Koe, Education: An Experimental Investigation of the Effects of Hypnotically Induced Self Concept and Achievement Suggestions on Self Concept and Reading Performance. 9:30 a.m. Tuesday, Feb. 17 – Thomas Edward Ewing, Geological Sciences: Geology and Tectonic Setting of the Kamloops Group, South-Central British Columbia. 3:30 p.m.

UBC Chess Club
Anyone interested in joining the UBC Chess Club is invited to come to the regular meetings on Mondays and Thursdays in Room 213 of the Student Union Building from 12:30 to 2:30 p.m.

Fine Arts Exhibition
The Fine Arts Gallery, located in the basement of the Main Library, presents the Drawings of Alfred Pellan from Feb. 4-28.

Graduate Students 1981-82
The UBC Awards Office offers a number of graduate fellowships for masters and Ph.D. students attending UBC. Further information can be obtained from the department in which you are or will be studying. The deadline for receipt of applications is Feb. 14, 1981.

Faculty and Graduate Students
Please remember to return your UBC Library Survey of Collections questionnaire this week.

Recreation UBC
Recreation UBC offers a number of programs from January to April. Programs offered include: strength training, circuit training, badminton, dynafit, basic skating, jazz dance, karate, modern dance, tennis, yoga and women's self defence. Registration must be done in person in Room 203 of War Memorial Gymnasium. Faculty and staff can purchase a Rec UBC card upon registration. For information on dates and times, contact Theresa Johannsen, at 228-3996 (days) or 731-5477 (evenings).

Faculty/Staff Exercise Class
Meets Mondays, Wednesdays and Fridays from 12:30 p.m. to 1:05 p.m. in the Robert Osborne Centre, Gym E. No charge. For information, call 228-4479.

Museum of Anthropology
Exhibits: Salish Art: Visions of Power, Symbols of Wealth continues until April; Kwagiutl Graphics: Tradition in a New Medium continues until April; West Coast Graphics: Images of Change continues until April; Images of Imperial Power: Coins, keys, seals, weights, and sculptures from the Roman and Byzantine Courts continues until March 15.
Salish Sunday Presentations. Theatre Gallery, 3 p.m. A short series of talks presented to provide background information on the museum's special exhibit, Salish Art: Visions of Power, Symbols of Wealth.
Feb. 8 – Questions and Answers on the Salish Exhibit. Michael Kew, exhibit curator.
Feb. 15 – The Cultural Context of Coast Salish Art. Wayne Suttles.
Feb. 22 – Coast Salish Art as a Variant of Northwest Coast Art. Bill Holm and Thomas Burke.
March 1 – Salish Textiles. EuJane Taylor.
The museum is open from noon to 9 p.m. on Tuesdays; from noon to 5 p.m. Wednesdays through Sundays, and is closed Mondays.

Child Care
PENTACARE Kindergarten and Day Care on campus has openings for children five years old. Fee is $183 per month. Parents must work two hours each week in the centre. For information, call 228-9994 or 228-5343.

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