

Four students nominated for two Board positions

Nominations have closed for student positions on the University Board of Governors and Senate. Elections for the two members to the Board and 17 members of Senate will take place on Tuesday, Jan. 16. An advance poll will be held on Jan. 15 from 5 to 7 p.m.

Nominated for the positions on the Board of Governors are: J. Vian Andrews, Law 2; Bruce Armstrong, Science 3; Carlos Brito, Law 1; and

Glenn Wong, Commerce and Business Administration 3.

Nominated for positions as senators-at-large to sit on UBC's academic parliament are: Anne Gardner, Science 3; Jeffrey Holm, Applied Science 2; Ron Krause, Arts 3; Andrew Milne, Applied Science 3; Chris Niwinski, Applied Science 3; Brian Short, Applied Science 4; Geoff Smith, Agricultural Sciences 3; Allen Soltis, Arts 3; and Doug Watts, Ap-

plied Science 3. Five will be elected.

Standing for election to represent Law students on Senate are: Carlos Brito, Law 1, and Don F. Thompson, Law 1. Other student representatives for individual faculties on Senate, elected by acclamation are: Valgeet Johl, Arts; Jack Turley, Forestry; Randy Santo, Applied Science; Mark Antosz, Dentistry; Raymond Formosa, Pharmaceutical Sciences; Warren Julien, Medicine; Scott Wright,

Agricultural Sciences; Frank Lee, Education; and Eric Gregory Kehler, Science.

No nominations were received for students to represent the Faculty of Commerce and Business Administration and the Faculty of Graduate Studies. The two students currently representing those faculties will be asked to remain on Senate for another term, in accord with the Universities Act.

UBC reports

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Enrolment total hits new high

UBC's enrolment for the 1978-79 fiscal year stands at 31,895 students, an all-time high and an increase of one per cent over the 1977-78 fiscal year when 31,572 were enrolled.

And two of the most notable enrolment trends of recent years, which are reflected in UBC's 1978-79 winter session enrolment of 22,676 students, are the increasing number of women and part-time students who make up the student body.

UBC bases its total enrolment on the fiscal year, which runs from April 1 each year to the following March 31, for the purpose of reporting official figures to the Universities Council, the body that acts as an intermediary between the three public universities and the provincial government.

An interesting trend of recent years in the UBC daytime winter session enrolment picture has been the steadily increasing percentage of students who register on a part-time basis, which means they're taking fewer than 12 units of work.

In the six-year period between 1973-74 and 1978-79, the percentage of students enrolled on a part-time basis has increased by almost 7 per cent from 16.8 per cent to 23.79 per cent. In terms of numbers of students, that's a leap from 3,708 to 6,031.

And in recent years, there have been noticeable increases in the number of students who enrol for evening credit programs and in courses offered during the May-July spring session by the Office of Extra-Sessional Studies.

The man who'll hazard a guess as to what these two trends mean is Dr. William Tetlow, the director of UBC's Office of Institutional Analysis and Planning, who is responsible, among other things, for forecasting UBC's annual enrolment and analysing it once the official figures are in.

"It appears that an increasing number of students are simply extending their school year," he says. "They'll lighten their winter session load by enrolling on a part-time basis and then enrol for the spring session to take additional courses and perhaps complete their year."

UBC's 1978 spring session enrolled 2,565 students, he said, an increase of about 300 students over 1977, when 2,241 were enrolled. UBC's July-August summer session has enrolled about 4,000 students in each of the last couple of years.

UBC's total enrolment of 31,895 in the 1978-79 fiscal year is the total of the following enrolments in the period April 1, 1978 to March 31, 1979: 1978 spring session - 2,565; 1978 summer session - 3,975; 1978-79 winter session (daytime) - 22,676; 1978-79 winter session (nighttime) - 1,221; 1978-79 guided independent study (correspondence courses offered through UBC's Centre for Continuing Education) - 1,458.

Certainly the most notable enrolment trend of recent years in the largest of UBC's three academic periods - the daytime winter session



Picture by Jim Banham

Happy about an expanded Crane Library Recording Centre in the basement of Brock Hall are Crane Librarian Paul Thiele and part-time theatre student and actress Catherine Mead, who has been tape-recording books for the use of blind students at UBC and elsewhere for the past five years. The new Brock Hall facilities, which are shared with departments in the Faculty of Arts, were constructed with gifts totalling \$150,000 from foundations, the federal and provincial governments, various UBC funds and UBC's 1977 graduating class. The new facilities will allow the Crane Library to increase its "talking books" program and begin recording material for the use of blind students at all levels of the B.C. school system.

Degree-study motion rejected again

UBC's Senate has rejected for a second time a motion by Law student Eric Warren calling for a study of requirements for the granting of bachelor's degrees by the University.

The motion defeated at Senate's December meeting called for its curriculum committee "to investigate and review the core requirements for the granting of various bachelor's degrees by the University." The motion also asked that the curriculum committee "consult with the various faculties involved and...come forth to Senate with recommendations concerning additions to or deletions from these core requirements."

At its October meeting Senate rejected a similar motion by Mr. Warren asking for establishment of an ad hoc committee to study policies for granting bachelor's degrees.

The motions appeared to founder on two rocks: they were far too broad in scope and would have required a study of some 17 bachelor's degrees offered by UBC; and both engendered a feeling among some senators that

recommendations made by a Senate committee would be an erosion of the rights of the University's 12 faculties, which it was emphasized by a number of speakers, including Senate chairman President Douglas Kenny, have the responsibility of setting degree requirements that are approved by Senate.

Agreement reached

The Registered Nurses Association of B.C. and the University have reached tentative agreement on a two-year contract, leaving only one labor dispute unresolved as UBC enters 1979.

The 39-member Local 15 of the Office and Technical Employees Union has yet to sign a 1978-79 agreement with the University. The OTEU contract expired last March 31.

The approximately 200 nurses employed by the University will receive a 1978 wage increase of 4 per cent, followed by an increase of 6 per cent effective Jan. 1, 1979. The contract will run until Dec. 31, 1979.

Fully half the December debate, which lasted the best part of an hour, was taken up with a procedural motion proposed by chemistry department head Prof. Charles McDowell, who asked that Mr. Warren's motion be declared out of order on the grounds that it was outside the terms of reference of the curriculum committee.

Curriculum committee chairman Dr. Jon Wisenthal said that it would be unfortunate if, when someone brings to Senate a matter of academic consequence, it was decided that it could not be dealt with on legalistic grounds.

He said the matters raised in the motion "wouldn't represent a serious departure for the curriculum committee," which has on it the chairmen of the 12 faculty curriculum committees. He added that there was "no danger that we are going to ride roughshod over anyone. We would invite relevant

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Picture by Jim Bamham

Hundreds of classicists attending Vancouver meetings of the Archaeological Institute of America and the American Philological Association Dec. 28-30 were guests of UBC on Dec. 28 for a tour of the campus Museum of Anthropology, above, and a reception in the Faculty Club. Arrangements for the Vancouver meetings were made by a committee chaired by former UBC classics department head Malcolm McGregor. The UBC museum has been cited for outstanding exhibition design in the third annual casebook for 1978-79 published by *Print*, North America's leading graphic design magazine. The casebook devotes four pages of text and pictures to the museum in a section entitled "The best in exhibition design."

SENATE

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faculties to consider the issue."

After defeat of the procedural motion, Senate returned to debate on the original motion proposed by Mr. Warren, concentrating on questions concerning its scope and the meaning of the phrase "core requirements."

Dean Peter Larkin, head of the graduate studies faculty, said he would find it easier to support the motion if its target were more visible. "Do you really want to review the core requirements of every bachelor's degree we offer?" he asked. He questioned whether the interest was primarily in a review of the requirements for the Bachelor of Arts and Science? Or was the real interest in sponsoring new programs, such as a general studies degree?

Mr. Warren said the issues centred mainly on the requirements for the bachelor's degree in arts and science, "the general overall requirement we demand of students before they graduate," and "whether the courses taken are appropriate to that degree."

Prof. McDowell rose to say that much of the problem in debating the motion concerned the meaning of the word "core." He said that in the final year of chemistry every student had to take a group of five honors core courses, which ensured that chemistry graduates would be recognized by the Chemical Institute of Canada as a chemist and which would enable graduates to work in industry or go on to graduate school. He also cited Applied Science, Dentistry and Medicine as faculties that required students to take a program of study that ensured recognition of graduates by professional bodies.

Mr. Warren replied that Prof. McDowell's use of the word core had a meaning within the context of chemistry. "I'm talking from the point of

view of the whole University....What I'm suggesting is that besides satisfying the core requirements of the discipline we add something else as a general overall requirement by the University, not by the faculty or department concerned."

Student senator Arnold Hedstrom supporting Mr. Warren, said more and more students taking "important liberal programs" at UBC are questioning whether they're graduating with anything, "and employers are beginning to ask that question too."

Overall, he added, the level of skills of the graduating student are not what they used to be. "Over the years, requirements have been lopped off degrees, there has been a trend toward more general education....The original intent of the motion was to address that sort of issue...whether there should be a general studies degree or whether (degree requirements) should be more specific."

Mr. Warren cited a recent conversation with a UBC teacher who said that he had never found students more eager to undertake their academic work than they are today, but who are "less equipped to deal with it in terms of verbal skills and other aspects as well."

ENROLMENT

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— has been the increasing proportion of women who make up the student body.

In 1978-79, women make up 45 per cent of the total student enrolment of 22,676, a one per cent increase over 1977-78. "The percentage of women in the daytime winter session has been increasing at the rate of about one per cent a year over the past four years," Dr. Tetlow says. "In 1975-76 women made up 42 per cent of our total enrolment; this year the percentage is 45 per cent."

At the undergraduate level, the

Dean Robert Will, head of the arts faculty, said UBC couldn't be faulted for its efforts in the area of remedial work in English. "This University has been a leader in Canada in focusing attention on the language and literature and writing problems of our students. Many universities have written to my office asking for more information on what we have done. We are constantly looking at our degree program," he emphasized.

The final speaker in the debate, zoology professor and Senate admissions committee chairman Cyril Finnegan, said that in his faculty there were 30-odd ways of getting a bachelor's degree, which would be defended by "a curriculum committee of some magnitude."

The Faculty of Science, he continued, runs, initiates and teaches its own programs. "It produces individuals who pass scrutiny, it intends to continue to do so. And whether a Senate committee chooses to make noises, (the science faculty) may or may not pay attention according to the relevance of the comments. It will not pay attention simply because it is a Senate committee...."

And with that, President Kenny put the motion, which was lost.

percentage of women is even higher; 48 per cent this year as compared to 43 per cent four years ago.

There is a continuing increase in the number of women in UBC's first year class, who are in the Faculties of Agricultural Sciences, Arts, Education, Science and the nursing program in Applied Science. Women now make up 54 per cent of this class compared to 52 per cent the previous year and 49 per cent in 1975-76.

Some of the percentages of first-year women in specific faculties are startling: 70 per cent in Agricultural Sciences; 64 per cent in Arts; 80 per cent in Education (including Physical

Services follow two deaths

Two well-known members of the University community died during the Christmas season.

A memorial service was held on Dec. 30 at Vancouver's Unitarian Church for Dr. Charles Borden, who pioneered studies in the archeology of B.C. Indian culture while a faculty member at UBC from 1939 to 1970. He died on Christmas Day at the age of 73 after a lengthy illness.

A funeral service was held on Dec. 27 for Alfred Adams, executive secretary of the University Resources Council, who died on Dec. 22 at Vancouver General Hospital at the age of 63. Mr. Adams was hospitalized in mid-September after a fall at his Vancouver home. He was in a coma from mid-October until his death.

Over a period of more than 20 years beginning in 1946, Prof. Borden and his students excavated a large number of prehistoric Indian archeological sites in the Vancouver area and in other parts of the province.

He is internationally known for his work in the Fraser Canyon near the town of Yale, where he unearthed a site with a sequence of Indian occupation extending over 12,000 years, making it one of the most important archeological finds in the western hemisphere.

Prof. Borden's studies of Indian tool technology made a major contribution to a revision of theories about the migration of North America's earliest inhabitants from Asia. His research indicates that the migrants reached the Pacific Northwest by way of Alaska and the corridor between the Rockies and the Coast mountains.

Gifts in memory of Dr. Borden may be sent to the University for the Charles and Alice Borden Fellowship Fund for Archeology, established in 1978 by Dr. Borden with a gift of \$88,545. Income from the fund aids students in archeology.

Mr. Adams, who served as executive secretary of UBC's Resources Council from 1964 until his death, was a native of South Africa who was closely associated with the late Field Marshal Jan C. Smuts as an organizer for the United Party from 1945 to 1953.

In Rhodesia, where he lived from 1956 to 1963, Mr. Adams worked with Sir Roy Welensky, then prime minister and leader of the United Federal Party, which Mr. Adams served as general secretary.

Mr. Adams was widely known in the B.C. business community as a fundraiser for UBC. He was associated with various committees that raised funds to aid construction of a number of campus buildings, including the new Curtis Building for Law, the Geological Sciences Centre, the Civil and Mechanical Engineering Building and the Aquatic Centre.

Education); and 33 per cent in Science.

There have also been notable increases in the percentage of women in the first year of professional programs: Commerce and Business Administration - 34 per cent this year compared to 21 per cent four years ago; Forestry - 23 per cent this year compared to 15 per cent in 1975-76; and Pharmaceutical Sciences - 66 per cent this year compared to 53 per cent four years ago.

The percentage of women in graduate studies has increased by 5 per cent over the last four years from 31 to 36 per cent.

International Year of the Child: there's work to be done at home

Welcome to International Year of the Child.

This year, 1979, has been set aside by the United Nations to look at the needs and problems of children, in countries throughout the world.

"Far too many children, especially in developing countries, are under-nourished, without access to adequate health services, missing the basic educational preparation for their future and deprived of the elementary amenities of life," states the United Nations General Assembly resolution establishing International Year of the Child.

But what's that got to do with Canada, you ask. Canadian kids are well looked after. Oh, sure, there's the occasional case of neglect but

"There are very real basic needs for children in our country, needs that are not being met," says Dr. Roger Tonkin of UBC's pediatrics department, who has been very active getting International Year of the Child going in B.C.

As fewer and fewer children are being born in Canada, it becomes increasingly important to take better and better care to ensure their survival, he feels.

He has singled out four areas — perinatal care or care just before, during and just after childbirth, immunization, violence and handicapped children — where he'd like to see real progress made this year in B.C.

"We still have unacceptably high levels of low birthweight babies, stillborn, and children born with handicaps which are attributable to perinatal things," he explains. Alcohol abuse during pregnancy or poor nutrition are very common causes of handicaps in newborn babies, handicaps which could be prevented.

He'd like to see more programs around the province such as the one the Vancouver Metropolitan Health Department has been running giving nutrition counselling to expectant mothers.

Another concern he has is the increasing number of teenage pregnancies and abortions. More teenage pregnancies are occurring at a younger age now as sexual openness becomes a part of our culture. Birth control methods are available, but

mainly to older teenagers, and there are not only mental strains but also physical strains when pregnancy occurs at such an early age.

"We're doing somewhere in the neighborhood of 11,000 therapeutic abortions each year in B.C. compared to 33,000 to 34,000 live births. Now I'm not saying that is good or bad. What I am saying is that International Year of the Child gives you a good chance to get information like this before the public and talk about it.

"You can identify what the problems are and you can decide what you're going to do about it, rather than just stand around talking about it."

Because the emphasis during IYC is on community projects rather than a major international conference, Dr. Tonkin expects that children's concerns will be taken further than just talking about them. The B.C. coordinating committee for IYC, of which he is a member, is sending out to community groups around the province kits designed to help projects get started.

Another project which needs attention during International Year of the Child is immunization, according to Dr. Tonkin. The spectre of childhood disease has raised its ugly head again over the past few years, because people have not been as thorough in immunizing children as they used to be.

"We're seeing a resurgence of diseases we shouldn't see at all — diphtheria and whooping cough are the two best examples. And we're still seeing rubella (German measles) and rubella babies." Between 60 to 70 per cent of children are immunized against these diseases today whereas about 95 per cent should be.

Low levels of immunization can cause real problems, as Great Britain is discovering. That country is undergoing a whooping cough epidemic right now because of low levels of immunization, Dr. Tonkin reports.

"In B.C. we've had deaths in the last three years from diphtheria and we just shouldn't see that. These are preventable diseases."

Violence is the third major area which Roger Tonkin would like to bring into public discussion this year.

Of all deaths between the ages of 1 and 14, 65 per cent are violence-related. Between the ages of 14 and 19 years, the rate increases to 85 per cent.

"It's not just that we're getting better in preventing death in other areas. The rate of death due to violence has gone up steadily in the last 10 years," he says.

Violence is a wide-ranging term to Dr. Tonkin. He thinks we should begin to look more closely at what we now term accident-related deaths.

"When people talk about deaths they immediately think about child abuse, homicide. We don't think about suicide and we don't think about accidents. But if a father, frustrated at work, comes home, picks his kid up and throws him against the wall and smashes his head open, is that really any different than the same father who gets rid of his frustrations by taking his kid for a fast car ride, not strapping him in, and smashing his head through the windshield.

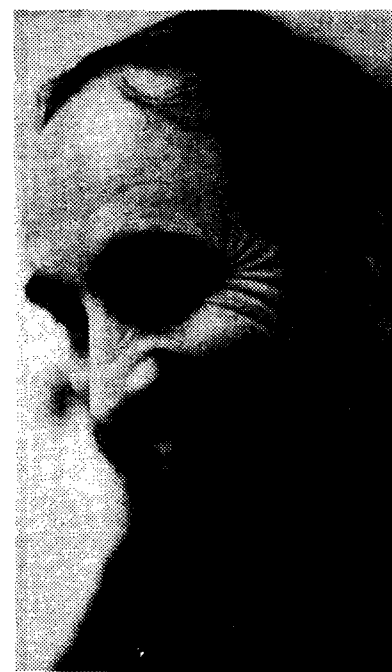
"What's the difference? Intent?" he asks.

Is the teenager who kills himself in a car accident an accident or a suicide? "Sixty per cent of your deaths are motor vehicle accidents and we're saying that they're destroying themselves." Every year in B.C. there are 400 to 500 teenage deaths and teenagers are spending 50,000 patient-days in hospitals.

"They're destroying themselves. They know they shouldn't drink and drive — and yet they do. They know they shouldn't be stoned out of their minds and drive down the road — and yet they do. Why? Let's try to find out what the underlying roots are to this. We accept an awful lot of things as accidents which are violence."

Dr. Tonkin is not only concerned because of the waste of life this violence involves. He's worried about the effect the declining number of adolescents is having on society as a whole.

"In the last 25 years the national population of adolescents has only doubled and yet the death rate is four to five times what it was. Kids are, in fact, a declining resource. In West Germany right now, they're not replacing their base population. In Canada, the population of children



Dr. Roger Tonkin

under four years of age peaked in 1966."

These changing population trends put new strains on our traditional services. He gives as an example of this the declining enrolment in Vancouver schools while schools in the northern parts of the province continue to demand resources.

"I'm not proposing we have more children. But regional disparities become more acute. Let's recognize that as a starter — we need a redistribution of resources.

"But secondly, as birth rates decline, that individual birth becomes a more valuable commodity and you've got to take better care of it. And that's why we're particularly concerned about the violence issue.

"We need those kids to pay our pension plans, if you want to put it in its coldest terms. That population has to be healthy because it has to support the rest of society."

The needs and problems of handicapped children is the fourth concern which Dr. Tonkin has enunciated for International Year of the Child.

"There's really two dimensions to the thing — one is the way we handle and assess handicaps. The other is integrating handicapped children into society.

"I can remember when kids with Down's syndrome were put into institutions and it was hoped that they got measles or something that would wipe them out," he says.

Now handicapped children are becoming an increasingly significant part of the workload for pediatricians as normal childhood illnesses are controlled. But Dr. Tonkin wonders what that attention is doing to the self-image of the handicapped child now.

"Sure, we're keeping these children alive, but what else are we doing for them. Have they a chance of being useful, of being accepted and respected? Let's try to make them fuller members of the community.

"Giving the handicapped physical access to the community is clearly an important part of it. But it's also getting society to realize the rights of these children, the self-worth of the child."

He's hopeful that a year of discussing these concerns, of getting communities around the province to look at what they're doing for their children, of getting programs started, will be in keeping with what the United Nations had in mind for an international year of the child.

"That's really what IYC is all about — treating children as individuals who have rights and needs and a real contribution to make to society. But we're going to be doing it in B.C. We've got a lot to do in our own backyard."

IYC to focus on local projects

International Year of the Child will have no major conference associated with it where international luminaries gather to tell what they know. There will be no universal project to improve the plight of children worldwide. No major international competitions.

This is to be a local celebration. A community effort.

In Canada, the federal government has approved a \$1 million grant for the Canadian Commission for the International Year of the Child. The thrust of the commission is to promote national and provincial projects. Community groups can apply for funds to a maximum amount of \$5,000 for projects they want to undertake in IYC.

In our province, a B.C. Coordinating Committee for IYC has been set up. One of its first activities was to develop an information kit to help communities and organizations organize IYC-related projects. Dr. Roger Tonkin, an assistant professor

in the division of population pediatrics in UBC's Faculty of Medicine, has been chairing the committee that put the kit together for province-wide distribution this month.

Dr. Tonkin has also been active in getting a series of seminars organized,

sponsored by the UBC Department of Paediatrics. The Sydney Israels Memorial Seminar series will feature throughout International Year of the Child distinguished speakers addressing topics such as violence and the child, nutrition and pediatrics, chronic handicaps in childhood and immunization action.

Small conferences are being organized throughout the year as well. The University of Alberta, for example, is planning a multidisciplinary conference in August to share information with other people working in a Canadian university context on child-related studies. (Further information on this conference from Perspectives on the Child: The Canadian Context, Room 234, Corbett Hall, University of Alberta, Edmonton, T6G 2G4.)

And UBC Reports will, throughout International Year of the Child, present the work of UBC people who are investigating child-related concerns.



1979 International Year of the Child

UBCalendar

UBC CALENDAR DEADLINES

Events in the week of
Jan. 14-20 Deadline is 5 p.m. Jan. 4
Jan. 21-27 Deadline is 5 p.m. Jan. 11
Send notices to Information Services, 6328 Memorial Road (Old Administration Building), Campus. Further information is available at 228-3131.

UBC LANGUAGE INSTITUTE

The UBC Language Institute is sponsoring part-time courses on campus beginning Jan. 15. Courses under the general heading **English as a Second Language** include Intensive English, Spoken English, Diction, Written English and Vocabulary Development. **Modern Languages** offered are Arabic, Cantonese, German, Hindi, Japanese, Portuguese and Greek. Courses in **Spanish** and **French** are being offered at all ability levels during the day and at night. For registration information, call the Centre for Continuing Education, 228-2181, local 285.

OFF-CAMPUS HOUSING OFFICE MOVES

The Off-Campus Housing Office has moved from the Student Union Building to Ponderosa. Off-Campus Housing now shares office space with the on-campus Student Housing Office that is presently there. Hours are 8:30 a.m. to 4:30 p.m., Monday through Friday.

EXHIBITS

An exhibit, **Breathings: Recent Works** by Joey Morgan, continues until Jan. 27 at the Fine Arts Gallery, basement of Main Library building, Tuesday through Saturday, 10:30 a.m. to 5:00 p.m.

An exhibition of classical antiquities excavated in Southern Italy will be on display at the Museum of Anthropology on Northwest Marine Drive until Feb. 11.

Also on display at the Museum of Anthropology as one of the Museum's temporary exhibitions is **Yuquot...4,000 years: Continuity and Change in a West Coast Village**.

THURSDAY, JAN. 4

8:00 p.m. **ANTHROPOLOGICAL LECTURE.** Rene Querido, Sacramento Centre for Anthroposophical Studies, on **Spiritual Values in a Technical Age**. International House. Reservations must be made by calling 228-5021.

FRIDAY, JAN. 5

1:00 p.m. **MEDICAL GENETICS SEMINAR.** Dr. R.H.C. San on **Problems and Strategies in Carcinogen and Mutagen Testing**. Conference Room, B.C. Cancer Research Centre, 601 W. 10th Ave.

3:30 p.m. **LINGUISTICS COLLOQUIUM.** Prof. Frank Hamlin, French, UBC, on **Noun and Verb Phrases and Cores in Contemporary French**. Room 2225, Buchanan Building.

6:45 p.m. **WOMEN'S BASKETBALL.** UBC Thunderettes vs. the University of Saskatchewan. War Memorial Gymnasium.

7:30 p.m. **ICE HOCKEY.** UBC Thunderbirds vs. the University of Alberta. Thunderbird Winter Sports Centre.

RELIGIOUS FREEDOM IN EDUCATION. William H. Ellis, director, Centre for Law and Religious Freedom, Oak Park, Ill., lectures on **The Christian's Rights in Education**. Regent College, 2130 Westbrook Mall.

8:00 p.m. **TWO FLUTES IN 18TH CENTURY LONDON.** Faculty and members of the Vancouver Baroque Ensemble perform **Music of Haydn, J.C. Bach, Pleyel, Sammartini and Handel**, with Paul Douglas and Ross Carstairs, flute; Lon Rosen, cello; and Robert Rogers, harpsichord and piano. Recital Hall, Music Building.

8:30 p.m. **OPENING DANCE OF '79.** International House. \$2.50 non-members; \$1.50 members.

SATURDAY, JAN. 6

9:00 a.m. **SWIMMING.** UBC intersquad meet until 12 noon at the Aquatic Centre.

6:45 p.m. **WOMEN'S BASKETBALL.** UBC Thunderettes vs. the University of Saskatchewan. War Memorial Gymnasium.

7:30 p.m. **ICE HOCKEY.** UBC Thunderbirds vs. the University of Alberta. Thunderbird Winter Sports Centre.



SUNDAY, JAN. 7

2:30 p.m. **SCHOLARSHIP BENEFIT CONCERT.** Vancouver Youth Orchestra and the University Symphony, with Franz-Paul Decker, conductor, and Robert Silverman, piano, perform **Music of Beethoven, Liszt, Wagner and Rimsky-Korsakov**. Old Auditorium. Admission, \$4; \$2 for students and senior citizens.

6:00 p.m. **WOMEN'S BASKETBALL.** UBC Thunderettes vs. Queensland, Australia. War Memorial Gymnasium.

MONDAY, JAN. 8

11:30 a.m. **COMPUTER SCIENCE COLLOQUIUM** with Dr. Snyder, Yale University. Room 301, Computer Science Building.

1:30 p.m. **SCHOOL OF ARCHITECTURE.** Public presentations of graduation projects for B.Arch degree. Everyone welcome. Rooms 202 and 205, Lasserre Building. Continues until 6 p.m. For schedule, call 228-2779.

SOIL SCIENCE SEMINAR. Dr. H.D. Barrs, CSIRO, Division of Irrigation Research, Australia, on **Water Relations and Photosynthesis of Citrus Under Controlled Environment Conditions**. Room 348, MacMillan Building.

4:30 p.m. **ZOOLOGY/PHYSIOLOGY SEMINAR.** Dr. John H. Dirks, Medicine, UBC, on **Calcium and Magnesium Reabsorption in the Mammalian Nephron**. Room 2449, Biological Sciences Building.

7:30 p.m. **INTERNATIONAL HOUSE and CENTRE FOR HUMAN SETTLEMENTS** films and speakers series. Dr. Dennis Russell, Civil Engineering, UBC, on **Water Resources**, and films from Africa and Israel. Room 400, International House.

TUESDAY, JAN. 9

12:30 p.m. **MUSIC SEMINAR.** Paul Henry Lang on **The Classic-Romantic Conflict**. Room 113, Music Building.

BOTANY SEMINAR. Dr. David L. Rayle, Botany, San Diego State University, on **Control of Plant Cell Extension by Hydrogen Ions**. Room 3219, Biological Sciences Building.

1:30 p.m. **SCHOOL OF ARCHITECTURE.** Public presentations of graduation projects for B.Arch. degree. Everyone welcome. Rooms 202 and 205, Lasserre Building. Continues until 6 p.m. For schedule, call 228-2779.

3:30 p.m. **BOTANY SEMINAR.** Dr. David L. Rayle on **Attacks and Counterattacks on the Acid-Growth Theory**. Room 3219, Biological Sciences Building.

OPTIMIZATION SEMINAR. Prof. Fred Wan, Mathematics, UBC, on **Asymptotic Methods in the Theory of Urban Land Rent**. Room 103, Mathematics.

OCEANOGRAPHY SEMINAR. Dr. Paul H. LeBlond, Oceanography and Physics, UBC, on **Forced Fortnightly Tides in Rivers**. Room 1465, Biological Sciences Bldg.

ASIAN RESEARCH SERIES on **Asians in Canada**. Clifford Jansen on **General Thematic Comments: Definitions: Self and Others; Political Organizations Among Ethnic Groups**. Room A-209, Mechanical Engineering Annex A.

MUSIC AND DRAMA

Music for flute — See Friday, Jan. 5 at 8:00 p.m.

Scholarship benefit concert — See Sunday, Jan. 7, at 2:30 p.m.

Three plays by Beckett open at the Frederic Wood Theatre on Wednesday, Jan. 10.



TUESDAY, JAN. 9 (Continued)

8:00 p.m. **BIOMEDICAL ENGINEERING.** Blake Wiggs, barrister and solicitor, speaks to the Vancouver Chapter of the Canadian Medical and Biological Engineering Society on **Patent Regulations and Biomedical Engineering**. Salons B and C, Faculty Club. Non-members welcome.

WEDNESDAY, JAN. 10

12 noon **PHARMACOLOGY SEMINAR.** Dr. John E. Phillips, Zoology, UBC, on **Transport Processes of Insect Excretory Systems and Their Hormonal Control**. Room 114, Block C, Medical Sciences Building.

12:30 p.m. **NOON-HOUR CONCERT.** Robert Rogers, piano; Gwen Thompson, violin; and John Rapson, clarinet, perform **Music of Bartok and Khachaturian**. Recital Hall, Music Building.

POLITICAL SCIENCE PUBLIC LECTURE. Prof. Henry Drucker, University of Edinburgh, on **The Rise of Nationalism in Scotland**. Room 318, Buchanan Bldg.

LINGUISTICS CLUB and **CLASSICS** round-table presentation. Dr. Arthur L. Dolsen, Trinity College, Dublin, on **Tense and Aspect in Ancient Greek**. Penthouse, Buchanan Building.

3:00 p.m. **EDUCATIONAL PSYCHOLOGY SEMINAR.** Peggy Koopman, Special Education, UBC, on **Studies That Need To Be Done in Educational Psychology**. Room 1021, Scarfe Building.

3:30 p.m. **APPLIED PROBABILITY AND STATISTICS WORKSHOP.** Prof. Stanley Nash, Mathematics, UBC, on **Correspondence Analysis of Categorical Data**. Room 223, Angus Building.

7:00 p.m. **DUPLICATE BRIDGE.** Informal game at the Faculty Club. Faculty, staff and graduate students are invited to participate. \$1.75 per person includes refreshments. For further information, call Steve Rettig at 228-4865.

8:00 p.m. **THREE PLAYS BY SAMUEL BECKETT** (*Krapp's Last Tape, Breath and Not I*). Frederic Wood Theatre nightly until Saturday, Jan. 20 (excluding Sunday). Adults \$4.50; students \$2.50. For reservations call 228-2678 or drop by Room 207, Frederic Wood Theatre.

THURSDAY, JAN. 11

11:30 a.m. **BIOCHEMICAL DISEASES SEMINAR.** Dr. L. Almas on **Acute Pancreatitis**. Klausner Board Room, Children's Hospital, 250 W. 59th Ave.

3:30 p.m. **APPLIED MATHEMATICS SEMINAR.** Prof. Lon Rosen, Mathematics, UBC, on **Correlation Inequalities for the Yukawa₂ Quantum Field Theory**. Room 203, Mathematics Building.

4:00 p.m. **PHYSICS COLLOQUIUM.** D. Freedman, SUNY, on **Symmetries and Supergravity**. Room 201, Hennings Building.

FRIDAY, JAN. 12

3:30 p.m. **COMPUTER SCIENCE COLLOQUIUM.** David Dobkin, Computer Science, University of Arizona, Tucson, on **Excursions into Geometry**. Room 301, Computer Sciences Building.

SOIL SCIENCE SEMINAR. Rod Davis, Resource Analysis Branch, Department of the Environment, Kelowna, on **Productivity and Climate in the Peace River Region**. Room 154, MacMillan Building.

MATHEMATICS COLLOQUIUM. Prof. H. Sussmann, Mathematics, Rutgers University, N.J., on **The Case Against Catastrophe Theory**. Room 1100, Mathematics Annex.

LINGUISTICS COLLOQUIUM. Dr. Thom Hess, Linguistics, University of Victoria, on **Central Coast Salish Words for Deer, Their Wave-Like Distribution**. Room 2225, Buchanan Building.

7:30 p.m. **ICE HOCKEY.** UBC Thunderbirds vs. the University of Saskatchewan. Thunderbird Winter Sports Centre.

SATURDAY, JAN. 13

8:45 a.m. **VOLLEYBALL.** Women's tournament sponsored by UBC continues all day in the War Memorial Gymnasium.

7:30 p.m. **ICE HOCKEY.** UBC Thunderbirds vs. the University of Saskatchewan. Thunderbird Winter Sports Centre.

FACULTY/STAFF INTRAMURALS

Those interested may join either the faculty/staff or the student programs. Further information from the Intramural Office, Room 210, War Memorial Gym, telephone 2401, or from Frank Maurer, telephone 4329.

Faculty-Staff Program

	Deadline	Competition	Entry Fee
*Volleyball	Fri. Jan. 19	7:30-9:30 Mon. Jan. 29-Mar 26	\$15/team
*Indoor Soccer	Fri. Jan. 19	7:30-9:30 Thur. Feb. 1-Mar. 29	\$15/team
Student Program			
*Basketball - Men	Mon. Jan. 8	Tues.-Fri. Mon. Tues. noon Jan. 15-Mar. 9	\$15/team
- Women	Mon. Jan. 8	Mon. Wed. Thur. Tues. Jan. 24-Mar. 1	\$15/team
*Volleyball - Men	Fri. Jan. 12	Tues. Thur. Thur. 7:30-9:30 Jan. 18-Mar. 1	\$125/team
- Women	Mon. Jan. 8	Tues. Thur. Thur. 7:30-9:30 Jan. 18-Mar. 1	\$75/team
Broomball - Women	Mon. Jan. 8	Tues. Wed. Thur. Jan. 23-Mar. 1	\$15/team
Bowling - Men	Fri. Jan. 12		

*Faculty and staff must first belong to Recreation UBC (\$10 per person) to participate in these activities.