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Extra $980,000 for UBC engineering school

UBC's engineering school has received $980,000 of the $1.5 million set aside by the Universities Council of B.C. this year for engineering expansion in the province.

The University of Victoria received $320,000, Simon Fraser University $200,000.

In turning the money over to UBC, the UCBC said it was to be used for planning the expansion of the engineering school and for the employment of faculty for the current academic year.

The $1.5 million was a line item in the UCBC 1981-82 budget. It has no bearing on UBC's general purpose operating grant, and does nothing to alleviate the $7.2 million shortfall in the University's annual operating budget resulting from an arbitration award to faculty of 18 per cent.

UBC's request for an additional $7.2 million from the provincial government is being studied by the Universities Council. The UCBC is also studying the financial problems of SFU, where the faculty received 13.8 per cent, and of UVic, where the settlement was 13.5 per cent.

Meanwhile, UBC's Dean of Applied Science, Dr. Martin Wedepohl, said he was pleased to have received the $980,000.

"We have set up a planning team to determine how we might reach our goal of 2,500 undergraduate engineering students over the next six or seven years," Dean Wedepohl said, "assuming, of course, that the provincial government will provide the necessary funds."

Dr. Wedepohl cautioned, however, that it may still be necessary to control enrolment in engineering in 1982, although he said the proposed limitation of 450 students to first-year engineering might be revised upward.

The enrolment limitation proposal, approved by the UBC Senate in September, was rejected Oct. 6 by the Board of Governors. Senate, at its October meeting, turned the question back to the Faculty of Applied Science.

There are 1,744 engineering undergraduates this year, including 483 in first year. There are 529 in second year, 391 in third and 341 in fourth.

The academic training of engineers has been considered by all three B.C. universities over a number of years, with both UVic and SFU wanting to establish engineering schools.

In March, however, a report of the Universities Council of B.C. said UBC should expand to 2,500 undergraduate students before any second school should be established. The report said the second school should be at the University of Victoria, "when the need based on demand is clearly perceived."

The report also said that SFU should continue to offer the first two years of an engineering program that enables students to transfer into accredited engineering schools elsewhere.

At the present time, a number of colleges and universities in the province offer the first two years of engineering as a 'feeder' system to UBC.

UBC's engineering school submitted an 11-page report to the UCBC in September on engineering education at the University.

This report said present staff and financial resources of the engineering departments are adequate for a maximum of 1,400 undergraduate students — almost 400 below the current level of enrolment.

"In 1981-82 the enrolment will be about 1,800 and in 1982-83 about 2,000," the report stated. "The

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When it's not raining, October is a fantastic month for the color-conscious at UBC. The turning leaves, the falling leaves and the fallen leaves, on a day of autumn sunshine, can even make one forget about the weather we've had this week.

Private donations near $10 million

Private donations to the University of B.C. totalled almost $10 million for the year ended March 31, 1981, according to the annual report of the Resources Office.

A total of 342 associations and organizations contributed $3,192,005, 327 corporations gave $1,164,772, 76 foundations gave $2,958,158, 31 bequests totalled $940,257, and 1,701 individual donors gave the University $1,672,955 (exclusive of the 6,109 Alumni Fund donors).

Of the total of $9,928,147, almost two-thirds was designated to research, $6,116,741. Capital items accounted for $1,119,441, student aid received $2,427,365, and $264,600 went to teaching.

In addition to the private financial support, there were more than 100 gifts-in-kind, including a lithograph of a Navaho painting, a Northwest Coast print, alpine plants, a raven sculpture and Southwest Asian and North American artifacts.

Student support for the year ended March 31 totalled $489,440. Students gave $111,400 to the Aquatic Centre, $308,565 to the Student Union Building and $69,475 to the Graduate Centre.

Since 1928, students at UBC have funded or helped fund 12 major campus buildings by more than $6.6 million, a degree of support believed to be unequalled by the students of any other North American university.

New UBC bus route planned

A new crosstown Vancouver bus route, for the most part to run along King Edward Avenue and East 22nd Avenue, has been approved in principle by the Greater Vancouver Regional District (GVRD) Board of Directors.

The proposed route would run from the University of British Columbia east as far as the Brentwood Mall Shopping Centre in Burnaby. Service could start by April 1982.

The new service must also be approved by the City of Vancouver, the Municipality of Burnaby, the Urban Transit Authority (UTA) and the Metro Transit Operating Company (MTOC).

The service will meet a high priority need for an additional crosstown route midway between those currently operating on Broadway and on 41st Avenue. The route will provide convenient access for persons travelling to a number of major institutions along its length, including UBC, Shaughnessy and the new Children's/Grace Hospitals, G.F. Strong Rehabilitation Centre, Burnaby General Hospital, BCIT and a number of schools and commerical centres.

Details of the proposed route, including bus stops and shelters, will be worked out in co-operation with Vancouver, Burnaby and the MTOC.

The GVRD is responsible for transit planning in the region and shares responsibility for financing with the provincial UTA. The actual operation of the buses is done by the MTOC.

Board approves 5-year capital building plan

A five-year capital plan for building projects (1982-87) to be funded through the Educational Institution Capital Finance Act has been approved by the UBC Board of Governors for submission to the Universities Council as a planning document.

The Board also decided that projects listed for 1982-83 will be submitted to the council as requests for funding.

These projects are:

- The Faculty of Medicine's share of the eye centre at Vancouver General Hospital (total area 64,000 square feet);
- The Laurel II project at VGH, part of a major clinical redevelopment of VGH (32,000 square feet);
- The Faculty of Medicine's share of research space at the new Shaughnessy Hospital (part of a project totalling 37,500 square feet);
- Additional space for the Faculty of Dentistry. (25,300 square feet);
- Public works and renovations.

Under the category of "Special Projects" for 1982-83 is a 24,000-square-foot Fine Arts Gallery. Special projects are those buildings that would be used as community resources as well as academic centres.

Meanwhile, two "first priority" jobs and one "special project" approved by the UBC Board of Governors earlier are still awaiting approval from the Universities Council.

These are a proposed 230,000-square-foot expansion of the MacMillan Building, a Physical Plant Service Building, and a major reconstruction and expansion of the Library.

Five other major construction projects on campus are at various stages of development.

The $5.8 million Home Economics building is under construction, and the $2.7 million Centre for Coal and Mineral Processing is almost complete. The $11 million Physics and Chemistry building is at the working drawing stage, and the $10 million Psychology building is about to go to tender. Bids for construction of a new bookstore came in a million dollars over estimate and the project is on 'hold' for a second look.

Borrowing under the Educational Institution Capital Finance Act has been the major source of funds for UBC construction during the past four or five years, as the result of government policy to increase the rate of new construction beyond what could be paid for by 'cash capital'. The University, in effect, obtains the funds by issuing a debenture to the government under terms which assure that the government will in turn provide the funds to meet the interest and sinking fund payments. These debt servicing funds are separate from the annual operating grant.

UBC construction approved by this method in 1977 totalled about $25 million. The total was about $45 million in 1978, $9 million in 1979 and $20 million in 1980.

Money for capital projects, including funds approved by the government for public works and renovations, is separate from operating funds and cannot be used by the University to alleviate any possible operating deficit.

Here are the "first priority" items for years two through five of the five-year plan:

1983-84: Chemical Engineering (32,000 square feet); Clinical Medicine, completion of VGH Laurel I (20,000 square feet); Public Works and Renovations.

1984-85: Biochemistry (10,000 square feet); Physiology (11,000); Geophysics and Astronomy, replacement space (32,000); Animal Care, phase II (24,000); Public Works and Renovations.

1985-86: Studio Resources Building, Faculty of Arts (60,000); Field Buildings, Agricultural Sciences (30,000); Physical Plant Service Building, phase II (64,000); Public Works and Renovations.

1986-87: Life Sciences, replacement and expansion of substandard space (85,000); Public Works and Renovations.

On the "special projects" list, in addition to the Fine Arts Gallery, are a pulp and paper centre, a Botanical Gardens educational centre and a Recital/Convocation Hall. Provision also has been made for construction related to the proposed expansion of Engineering.

Museum offers field trip to Sri Lanka

Is there a bit of the explorer in you? Do you yearn for adventure in exotic tropical climes?

The Museum of Anthropology, in co-operation with Ecosummer Canada, is offering a field trip to Sri Lanka and the remote outer islands of the Maldives. The group will be accompanied by museum anthropologists.

In Sri Lanka the group will visit ancient legendary Buddhist cities and Hindu monuments, a tea plantation, bird sanctuary, gem and batik factories, and botanical and spice gardens. For the hardy, an overnight pilgrimage will be made up the sacred Adam's Peak.

The group will then visit the Maldives, where the way of life has changed little over the centuries. In the Maldives the group will have opportunities to assist the museum staff in establishing a study collection of contemporary arts and crafts.

This one-month tour is being offered twice in 1982: from February 1 through March 1, and from February 22 through March 22. For further information, please contact Hindy Ratner at the Museum of Anthropology (228-5087).

UBC women's athletic director Marilyn Pomfret inspects Indian "talking stick" shipped to University of Glasgow where it will be awarded annually to faculty member or student who makes an outstanding contribution to the development of sport at that university. First recipient of the gift from the UBC women's field hockey team is Glasgow physical education teacher Katherine Clarke, who organized spring tour of England by the UBC team following UBC's victory in an international tournament in Scotland.

Engineering

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shortfall in resources will inevitably lead to a decline in the quality of education, possibly to the point where our engineering programs will lose accreditation.

"Such a decline is unacceptable. Just as it would be unthinkable for surgeons to operate with dull instruments, British Columbia must provide top-quality education for engineering students. To provide anything less, will make our industries noncompetitive in the future and will place us at the economic mercy of outsiders."

The report said that to ensure quality for an undergraduate enrolment of 2,000 students in 1982-83, UBC's engineering departments would need an additional $3 million — $1.5 million for teaching staff, almost $1 million for support staff and close to $500,000 for supplies and expenses.

The report noted that undergraduate enrolment has more than doubled since the early 70s, yet professorial and support staff has remained virtually unchanged because of funding restrictions.

"In fact, when measured in *constant* dollars, the funds per engineering student have decreased by about 40 per cent over the past 10 years."

In the report, UBC posed the question, "Can British Columbia afford *not* to fund engineering education properly?" and then noted:

"The answer is clearly 'no'. If we do not provide the funds, we shall become technological servants in a world where prosperity depends on technological expertise."

Dean Wedepohl said the extra $980,000 received this year, welcome as it is, could be seen only as a "first small step" along the path leading to the goal of 2,500 undergraduate engineering students, as called for in last spring's UCBC report.

"We certainly are grateful for this money," the dean said, "and I sincerely hope that is just the beginning of a serious approach by the Universities Council and the provincial government toward adequate funding of engineering programs at this University."

Opposition MLAs spend day at UBC

Opposition leader Dave Barrett and 18 other Members of the Legislative Assembly from the New Democratic Party made it to UBC for NDP MLA Day Oct. 16, despite heavy fog that never lifted.

MLA day is a working day periodically organized by the University for MLAs. This year both parties were invited to the University on the first day of their annual party convention in Vancouver. The NDP's three-day convention began Oct. 16. The Socreds, whose annual convention begins Nov. 19, accepted their invitation to visit the University but have had to postpone it because of negotiations over the constitution and other work pressures. It will be rescheduled for another date.

While on campus the New Democrats had lunch with students from their constituencies in the Place Vanier Residence cafeteria, then had a brief tour of the recently-opened Asian Centre before attending a series of workshops on topics of immediate interest to them.

In mid-afternoon they adjourned to the Faculty Club for a working session with UBC President Douglas Kenny. Dr. Kenny outlined current trends within the University:

- Enrolment at UBC is increasing.
- Entrance requirements are among the toughest in Canada.
- The average age of students is increasing — about one-third of UBC students are over 25.
- For the first time this year the total value of research grants won by UBC faculty exceeded the total for McGill University, a tribute to the quality of UBC faculty. Only the University of Toronto now receives more research money than UBC.

Dr. Kenny also dealt with the financial problems of the University, including the threat by Ottawa to withdraw its cost-sharing with the provinces for operating Canadian universities, and implications of the $7.2-million shortfall the University faces as a result of the compulsory arbitration award to faculty this year.

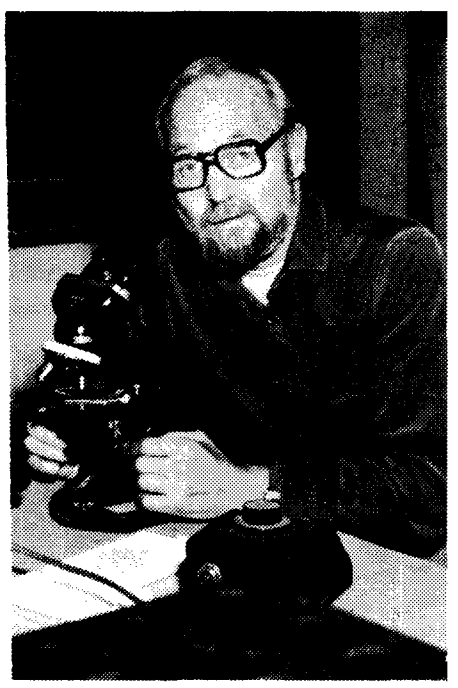
NDP members were enthusiastic about the day and said they wanted to return to the University soon. Some said they were amazed at the amount of expertise represented by the faculty, and wanted to have access to it.

President Kenny said UBC's expert knowledge is available to anyone. But he emphasized that the University would have to remain apolitical.

Among workshops attended by MLAs were housing economics and policy, social impacts of resource policies, energy issues in B.C., trade opportunities in East Asia, energy project approval in B.C., and alienation, polarization and the B.C. electorate.

David Suzuki

John Warren



Clayton Person

It's a clean sweep; three gold medals

The Science Council of British Columbia has awarded three gold medals for 1981 — all of them to UBC professors.

The medals — known officially as the Science and Engineering Gold Medals — were presented Oct. 22 to botany professor Dr. Clayton Person, zoology professor Dr. David Suzuki, and former physics professor Dr. John Warren who is now professor emeritus, TRIUMF.

In presenting the medals and accompanying citations, the chairman of the Science Council, Mr. Bob Keyes, described Dr. Person as one of the world's leading authorities on the genetics of plant parasites.

"Some of the techniques he has developed for the improvement of plant strains in their battles against various pests are in use in agricultural areas from North America to Africa and Asia."

Mr. Keyes noted that David Suzuki has also achieved renown for his work in genetics, especially in relation to the common fruit fly, and suggested that California could use him right now.

"However, the award recognizes his work in contributing to the understanding and appreciation of science to the public," Mr. Keyes said, in a reference to Dr. Suzuki's work with CBC. "His broadcasts, lectures and writing at the popular level have made him the best known scientist in the country."

The Science Council chairman said of Dr. Warren:

"Many colleagues and students regard Dr. Warren as 'the father of nuclear physics' in this part of Canada. After an outstanding career in England he came to Canada and was instrumental in managing the development of two key nuclear facilities at the University of British Columbia — first, the Van de Graaff generator in the early 1950s, and then TRIUMF."

This year's winners are the second, third and fourth individuals to win the prestigious gold medals since the Science and Engineering Awards were established last year. The only previous winner is UBC physiologist Dr. Harold Copp.

The winners were chosen by a subcommittee of the Science Council after consideration of a large number of nominations sent in by members of the academic community, people in business and industry, and professions and the general public. The committee was chaired by Dr. R.E. Bell, past president of the Royal Society of Canada, and included among its members the presidents of all three B.C. universities.

In order to qualify for a B.C. Science and Engineering Gold Medal, an individual or research group must have done their work in British Columbia, or, in the case of individuals, they must at least be normally resident in the province. Four general categories have been established to guide those wishing to nominate persons for the medals . . . Natural Sciences, Health Sciences, Engineering and Applied Sciences and Industrial Innovation.

Nominations may be forwarded to the Science Council at any time. They should include supporting material such as descriptions of the achievements of those being nominated, curriculum vitae and so forth. It is not necessary for those making nominations to have secured permission of the nominees. The Science Council will take care of those details.

The B.C. Science and Engineering Medals are awarded annually, up to a maximum of three.

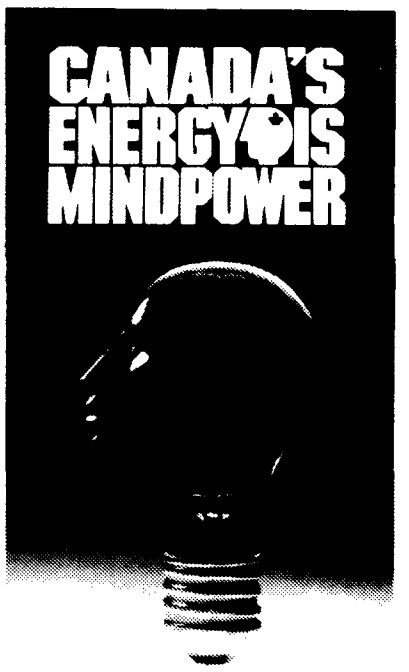
University marks Remembrance Day with Gym service

A Remembrance Day service, open to the public, will be held at 10:45 a.m. Wednesday, Nov. 11, in the foyer of the War Memorial Gymnasium.

The address will be given by Prof. Finlay Morrison, associate dean of the Faculty of Pharmaceutical Sciences at UBC, and the Scripture will be read by W.J. Neil, a member of the national council of the War Amputations of Canada.

Captain The Reverend Edwin W. Taylor, Chaplain of Royal Roads Military College, will conduct the service.

Music will be provided by the UBC Brass Quintet.



support our colleges and universities

Royal Bank award worth $100,000

The Royal Bank of Canada has doubled the cash grant that goes with its annual 'service to humanity' gold medal — to $100,000.

The purpose of the award is to honor "a Canadian citizen or person domiciled in Canada whose outstanding achievement is of such importance that it is contributing to human welfare and the common good."

A few of the winners since the award's inception in 1967: novelist Morley Callaghan, architect Arthur Erickson, actor Jean Gascon, humanitarian Dr. Lotta Hitschmanova, and clinical investigator Dr. Jacques Genest.

To be eligible, a candidate must be a Canadian citizen, a person living in Canada, or a team of such individuals. The range of activity is extremely broad and may embrace the natural and social sciences, the arts and humanities and the business and industrial worlds.

Under the terms of the award, the recipient may use the proceeds in any way he or she sees fit.

Candidates cannot make personal application for the award. To be considered, they must be proposed and recommended to the selection committee by two or more persons. The deadline for nominations is Feb. 28, 1982, and inquiries should be addressed to The Secretary, Selection Committee, Royal Bank Award, PO Box 1102, Montreal, H3C 2X9.

The seven-person selection committee is chaired by J.V. Clyne, chancellor of UBC.

Here's proof that there is a stadium at UBC and that students do sometimes come to watch the Thunderbirds play football. Thunderbirds, ranked No. 2 in Canada and obvious College Bowl contenders, close out their regular schedule this Friday (Oct. 30) when they meet the University of Calgary Dinosaurs, 7:30 p.m. at Thunderbird Stadium.

More students here — and there

The University has a record number of daytime students for the 1981-82 Winter Session.

A preliminary report on enrolment, submitted to the UBC Senate Oct. 14 by the registrar, shows that the number of daytime students as of Sept. 30 was 23,591, an increase of 429 over the total for the same date last year.

Seven of the 12 UBC faculties show higher enrolment this year, with Applied Science's increase of 174 students leading the way. The Faculty of Graduate Studies is up 110 students, Medicine up 82, Science up 80 and Arts up 65. Education is down 88 students.

First-year enrolment is steady at about 3700 students, despite a tightening of entrance requirements.

For government statistical purposes, enrolment as of Dec. 1 each year is the official figure.

Meanwhile, the Association of Universities and Colleges of Canada (AUCC) reports that enrolment is up across Canada. The following is reprinted from AUCC Notes:

An unofficial survey conducted by AUCC of enrolments at a sampling of universities across Canada reveals increases in all regions with the greatest increases shown in Saskatchewan. The Council of Ontario Universities provided percentage data for the Ontario universities. Full-time increases at the universities surveyed are as follows: British Columbia — slight; Simon Fraser — 2.5%; Alberta — 6.2%; Calgary — 9.4%; Regina — 12.4%; Saskatchewan — 10.2%; Manitoba — 7.7%; average for 16 Ontario universities — 3.4%; Laval, slight; McGill — 2.2%; Montreal — 1.9%; Dalhousie — 2%; New Brunswick — 8%; Prince Edward Island — 5.2%; and Memorial — 9.2%. All report professional faculties operating at capacity. Several report substantial increases in arts and science: Alberta — arts 6%, science 14%; Saskatchewan — arts 18%; Manitoba - arts 14%, science 22%; New Brunswick — first year arts 24%. At all Ontario universities full-time undergraduate enrolments increased; Ryerson reports a drop of 1.9%. First year enrolments in Ontario were up an average 5.8%. The figures, which are of Sept. 25, are subject to change; in some cases registration was still in progress.

CAMPUS PEOPLE

Nick Weesjes has retired after more than 30 years as a gardener and horticulturist at UBC.

Mr. Weesjes was hired as a gardener by the Botanical Garden in 1950. He was appointed head gardener for six years and a year after that he became head gardener for Physical Plant. From 1977 to his retirement Sept. 30, Mr. Weesjes was a horticulturist II with Physical Plant.

He has retired to Sidney, on Vancouver Island.

★

Prof. John A.H. Lund (Metallurgy) has been named chairman of the Canadian Accreditation Board of the Canadian Council of Professional Engineers.

The board sets minimum criteria for the accreditation of university engineering programs in Canada to ensure that programs produce graduates capable of meeting the educational standards for provincial registration throughout Canada, in the United States and in other countries.

Dr. Clayton Person, a professor in the Department of Botany at UBC since 1966, has been honored by the American Phytopathological Society and by the Rockefeller Foundation.

Prof. Person has been chosen as an APS Fellow, an honor limited to not more than a quarter of one per cent of APS membership in any year, and he has been invited to spend a month in residence at the Rockefeller Study and Conference Centre to work on a genetic investigation of host-parasite interaction.

The centre accommodates only eight scholars at any one time. Dr. Person will be in residence there from Feb. 25 to March 27, 1982.

★

William Hutton, a technician in the Faculty of Dentistry, retired Sept. 21 after 15 years at the University. Mr. Hutton joined the UBC dentistry faculty as a clerk III and, in 1968 was promoted to the position of intermediate technician.

Professors **Paul LeBlond** (Oceanography/Physics) and **Lawrence Mysak** (Oceanography/Mathematics) have been jointly awarded the Canadian Meteorological and Oceanographic Society's President's Prize for 1980. The award recognizes their outstanding ocean research, specifically their extensive and original studies of waves as presented in 1980 at CMOS meetings and published in their recent book *Waves in the Ocean.*

★

Prof. John Andrews of UBC, former dean of the Faculty of Education, heads one of three groups working on a review of research on education for the Social Sciences and Humanities Research Council.

Co-ordinating the review, which hopes to identify 'priority issues' in educational research, is Dr. Miles Wisenthal, formerly with Statistics Canada.

Dr. Andrews represents the Canadian Society for the Study of Education.

Many of this year's appointments to the Order of Canada, this country's highest distinction, came from the university and research community, and included **Dr. J. Ross MacKay** of UBC. Dr. MacKay recently retired as a fulltime teaching professor in Geography but is continuing with the department as a research professor.

★

Prof. Stanley Nash of the Department of Mathematics has retired after a long and active association with UBC. Prof. Nash came to UBC after earning his doctorate at Berkeley in 1950. During the ensuing years he taught a wide variety of courses, notably the Design of Experiments. He was principal advisor for 14 Masters and four Ph.D. theses during his 30 years here.

Although retired, Prof. Nash's affiliation with UBC is continuing. This year, among other things, he is a co-ordinator of the statistical consulting service of the Institute of Applied Mathematics and Statistics.

Employers like Co-op program

Representatives from UBC's Co-operative Education Program and B.C. Hydro jointly sponsored the first Co-op Employer meeting on Oct. 1, with the goal of promoting a better understanding of the objectives of the UBC co-operative engineering and forestry programs to prospective employers, and to give participating employers a chance to exchange their views about their involvement in co-op education.

The Co-operative Education Program, which was initiated at the University in 1978, integrates supervised work experience for students in the summer with their academic studies in the winter session. The program is open to first-year science students (including students transferring from other universities and colleges) planning to enter engineering or forestry. The student spends three consecutive summers at jobs arranged through the co-op program.

Students and employers involved in co-operative education at UBC have grown rapidly in numbers in the past four years. The program has expanded from 14 students and 11 employers in 1978, to 102 students and 45 employers in the summer of 1981. Maryke Gilmore, co-ordinator of the program, said she expects about 150 students to participate in 1982.

Attending the Co-op Employer meeting earlier this month were UBC students and faculty advisors involved in the program, participating and prospective employers, and representatives from the professional engineering and forestry associations of B.C. and the provincial ministry of labor.

"Employers involved in the program indicated that they found co-operative education students a positive addition to their companies in terms of both short and long term employment," said Mrs. Gilmore. "In addition to the work done by the students during their summer placements, employers said they felt their companies could benefit by training a prospective permanent employee."

Virginia Greene, director of the Employment Opportunity Branch of the B.C. ministry of labor, told the meeting the ministry of labor was trying to encourage employer participation in co-operative education by making funding available to municipalities, hospitals and ministerial offices for the hiring of co-op students during the summer.

John Spenser, manager of the paper division of H.A. Simons (International) Ltd., and chairman of the UBC Co-op Employers' Advisory Council presented three $75 awards at the meeting to UBC co-op engineering students Francis Lauer, Anne McConnell and Gregg Turner for outstanding technical reports written during their 1981 summer placements.

For more information on the UBC co-operative education programs in engineering and forestry, contact Maryke Gilmore, at 228-3022 or drop by Room 213 of Brock Hall.

Satellite communications is one of eight displays from UBC at Discovery Fair at Robson Square. Theme of the science fair this year is communications and automation. Exhibits have been mounted by universities, public utilities and private companies active in research and development in B.C. Hours are 10 a.m. to 8 p.m. The fair closes Friday.

Donner grant welcomed by Education

The Donner Canadian Foundation has granted $275,000 to the University of British Columbia to establish a program of Studies and Training in Correctional Education over the next three years.

In announcing the grant, Dr. Dan Birch, dean of the Faculty of Education, said:

"This award will support a program of interdisciplinary research and teaching dealing with educational programs in correctional institutions. We are gratified that the Donner Canadian Foundation has agreed to underwrite this innovative approach involving the collaboration of faculty members from several departments in addressing the problems of educational programming for prisoners. Because problems of educational practice involve areas of expertise which are not found in any single department, this multi-departmental approach is most appropriate. The systemic development of studies and training in correctional education requires a sustained effort by a team with a continuing commitment to it. This assistance from the Donner Foundation will make possible such an effort. The various research and training activities comprised by the program will be co-ordinated by Dr. Bill Griffith who was instrumental in developing the program."

The program is a team response to a national need of some years' standing. In 1977 a Parliamentary sub-committee on the penitentiary system in Canada observed that " . . . although in recent years criminality has been the subject of much interest to sociologists and psychologists, it has not attracted the attention of many original or critical minds in the field of education. There is accordingly a need to engage the interest of scholars in this field. There is a need to develop a body of research and specialized knowledge on which to draw."

In 1948, following an internal and an external evaluation, the Education and Training Division of the Canadian Penitentiary Service concluded that "if correctional education and training are to attain maximum effectiveness, then a substantial multi-faceted approach to staff training and the study of practice in this area is essential."

Today, educational institutions of various kinds are involved in correctional education in a number of ways. Some are conducting programs at the elementary or secondary level, some are operating university level programs, and still others are engaged in research projects. Although individual research projects dealing with various aspects of education in correctional institutions have been carried out by a number of Canadian universities, the program of Studies and Training in Correctional Education is the first attempt to establish a continuing interdepartmental enterprise to focus on a number of aspects of correctional education and the continuing development of correctional education staff.

The program involves applied research, training and professional development of correctional educators, faculty seminars, summer workshops, distance education, and facilitation of communication between the Faculty of Education and the Education and Training Division of the Correctional Service of Canada. It is a team effort of scholars from philosophy of education, adult education, educational psychology, higher education, social studies education and special education currently and it will include other kinds of specialists as additional training and research activities are identified.

In addition to providing support for establishing and co-ordinating the program, the Donner Foundation grant is underwriting three major projects initially. The first project, directed by Dr. Peter Cookson, is the continuing professional development of correctional education officers through the designing, testing and utilizing of a set of distance education modules dealing with adult education of inmates. The second project, directed by Dr. Ian Wright and Dr. Jerrold Coombs, is the developing, testing and disseminating of curriculum materials to improve inmates' practical reasoning ability. The third project is the identification of additional university scholars whose interests can be pursued effectively in the context of correctional education, and the identification of sources of financial support for their proposed training or research activities.

Under the terms of the grant, support for the second and third year is contingent upon the University securing additional funding for the program from other sources.

GRANT DEADLINES

Faculty members wishing more information about the following research grants should consult the Research Administration Grant Deadlines circular which is available in departmental and faculty offices. If further information is required, call 228-3652 (external grants) or 228-5583 (internal grants).

Dec. 1

- Agriculture Canada Operating Grant.
- American Chemical Society: PRF Research Type AC.
- American Council of Learned Societies Eastern European Studies Grant.
- American Council of Learned Societies Mellon Fellowships for Chinese Studies.
- American Lung Association Research Grant.
- Canada Council: Explorations Program Explorations Grant.
- Canadian Cystic Fibrosis Foundation Scholarship.
- Fisheries and Oceans Canada Science Subvention Program.
- Japan Foundation Fellowship Programs.
- Japan Foundation Institutional Project Support Programs.
- Japan Foundation Research Program.
- MRC: Awards Program Centennial Fellowship.
- MRC: Awards Program MRC Fellowship.
- MRC: Special Programs INSRM/MRC Exchange.
- National Cancer Institute of Canada McEarchern Fellowships.
- NSERC: Fellowships Division NATO Post Doctoral Fellowship.
- NSERC: Fellowships Division Post Doctoral Fellowship.
- Social Science Research Council (US) International Research.
- Woodward's Foundation (Mr. and Mrs. P.A.) Foundation Grants.
- World University Services Awards to Foreign Nationals: Fellowships.

Dec. 4

- Environment Canada: Inland Waters Directorate Water Resources Research Support Program.

Dec. 15

- Baker, E.A. Foundation for Prevention of Blindness Fellowship.
- Baker, E.A. Foundation for Prevention of Blindness Research.
- Canadian Lung Association Fellowship.
- Canadian Lung Association Research.
- Health and Welfare Canada: National Welfare Grant.
- Health and Welfare Canada: National Welfare, Manpower Utilization Grant.
- Health and Welfare Canada: National Welfare, Research Group Development.
- Health and Welfare Canada: National Welfare, Senior Research Fellowship.
- Health and Welfare Canada: National Welfare, Visiting Professorship.

Dec. 19

- Institute of Public Administrators of Canada Research Grant.

Dec. 31

- Environment Canada: Atmospheric Environment Science Subvention Program.
- Huntington Society of Canada Research in Huntington's Chorea.
- International Union Against Cancer Yamagiwa-Yoshide International Cancer Study Grants.
- NRC and National Recherche Scientifique — France CNRS/NRC Exchange.
- Secretary of State Canadian Ethnic Studies Program: Professorships.
- Secretary of State Canadian Ethnic Studies Research.

Note: All external agency grant application forms must be signed by the Head, Dean, and Dr. R.D. Spratley. Applicant is responsible for sending form to agency.

New coach has all the credentials

Boris Klavora, a member of the national rowing team of Yugoslavia in the early 1960s, has been appointed head coach of the UBC rowing team.

From 1964 to 1969, Mr. Klavora was head coach for the rowing club 'Bled' of Yugoslavia. He moved to Canada in 1969, attained Canadian citizenship, and became deeply involved in the Canadian rowing scene.

He coached Upper Canada College's rowing team during 1976-81 and also coached the University of Toronto rowing team this past season. Upper Canada won the aggregate championship in the Canadian Secondary School Rowing Championships this year, and the U of T team won the Ontario University Athletic Association championship.

Internationally, Mr. Klavora and Al Morrow of the University of Victoria coordinated Canada's junior and senior men's sweep rowing teams. Canada's lightweight coxless four took the bronze medal in the world championships in Munich and the coxless pairs won the bronze in the world junior championships in Bulgaria.

Rayleen Nash

Rayleen Nash acclaimed as AAPS head

Rayleen Nash (Graduate Studies) was elected president of the Association of Administrative and Professional Staff (AAPS) at the group's annual general meeting Oct. 15.

She succeeds Bob Black of Physical Plant.

New 1st vice-president is John Marken (Botany) and the 2nd vice-president is Bob Frampton (Animal Resource Ecology). Beryl Wilson (Science) was elected secretary and Elizabeth Orne (Mathematics) treasurer.

All table officers were elected by acclamation.

A secret ballot was held to elect four members at large to the executive. Elected were Ron Mercer (Finance), Helen Wilden (Food Service), Fran Takemoto (Finance) and Geoff Berryman (Computing Centre).

Anne Elizabeth Banham was announced as the first winner of a $500 annual AAPS scholarship. She is the daughter of University Information Officer Jim Banham and is a fourth-year student in special education.

The annual meeting soundly defeated a motion calling for AAPS to bargain collectively with the University outside the Labor Code of B.C.

A prepared statement against collective bargaining, signed by 10 members and distributed as an agenda addendum drew wide support, leading to a 68-to-19 vote against collective bargaining.

NEW AWARDS

B.C. Hydro and Power Authority Undergraduate Scholarships in Environmental and Resource Sciences — Five awards in the amount of $500 have been made available by the British Columbia Hydro and Power Authority to encourage the development of knowledge and expertise in subjects related to environmental impact assessment work, within the context of the British Columbia environment. The awards will be made as follows:

(a) One award to the Faculty of Agricultural Sciences in courses of Agricultural Economics, Plant Science, or Soil Science;
(b) One award to the Faculty of Arts in courses of Anthropology or Sociology;
(c) One award to the Faculty of Science in courses of Biology, Botany or Zoology;
(d) One award to the Faculty of Science in courses of Geography or Geological Sciences;
(e) One award to the Faculty of Applied Science in the course of Bio-Resource Engineering.

The awards will be made on the recommendation of the faculties.

Thomas and Myrtle Gibson Memorial Scholarship — A perpetual scholarship in the amount of approximately $850 has been made available in memory of Thomas and Myrtle Gibson, long-time residents of Vancouver, British Columbia. The award will be made on the recommendation of the faculty to a student in Medicine.

Olga Leroux Scholarship — Scholarships in the amount of approximately $3,500 have been made available by the late Olga Leroux. The awards will be made to students demonstrating outstanding academic ability.

Richard U. Ratcliff Memorial Fellowship — A fellowship in the amount of $1,000 has been made available in memory of Prof. Richard U. Ratcliff, a pioneer in the field of Urban Land Economics, and a central figure in the development of the field of Urban Land Economics at UBC. The award will be made annually to a graduate student in Urban Land Economics, in the Faculty of Commerce and Business Administration.

Beryl Warner Memorial Prize — An annual prize in the amount of $250 has been established in memory of Beryl Warner, a pioneer in the early 1950s of volunteer work with the mentally ill. The award will be made to a student in the Health Services Planning program who completes an essay, project or thesis, which best examines current policies and programs in respect of a socially disadvantaged B.C. group, thereby attempting to assist their future. The award will be made on the recommendation of the Director of the program.

UBC CALENDAR

UBC Calendar Deadlines

For events in the weeks of Nov. 15 and Nov. 22, material must be submitted not later than 4 p.m. on Nov. 5.
Send notices to Information Services, 6328 Memorial Rd. (Old Administration Building). For further information, call 228-3131.

The Vancouver Institute.

Saturday, Oct. 31
The Czech Theatre. Prof. Marketa Goetz-Stankiewicz, head, Germanic Studies, UBC.

Saturday, Nov. 7
Understanding Diabetes: What Everyone Should Know. Dr. Martin Hoffman, Medicine, UBC.

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

MONDAY, NOV. 2

Cancer Research Seminar.
Mechanisms of Transformation by Avian RNA Tumor Viruses. Dr. Tony Pawson, Microbiology, UBC. Lecture Theatre, B.C. Cancer Research Centre. 601 W. 10th Ave. 12:00 noon.

Women's Studies Lecture.
Pornography and Freedom of Expression. Dr. Susan Wendell, Philosophy and Women's Studies, SFU. Room 203, Buchanan Building. 12:30 p.m.

Management Science Seminar.
Risk Analysis of Options for the Transport of Dangerous Commodies by Rail. Dr. K. Brothers, Health Sciences, UBC, and Dr. C. Swoveland, Quantalytics Inc. Penthouse, Angus Building. 3:30 p.m.

Applied Mathematics Seminar.
On the Theory and Observation of Rossby Waves in the Pacific. Prof. Lorenz Magaard, University of Hawaii. Room 104, Mathematics Building. 3:45 p.m.

Astronomy Seminar.
The Case of the Missing Arms. Dr. Paul Hodge, Astronomy, University of Washington, Seattle. Room 301, Hennings Building. 4:00 p.m.

Biochemical Discussion Group Seminar.
Tissue Culture of the Insect Nervous System. Dr. David Hicks. Lecture Hall 4, Woodward Instructional Resources Centre. 4:30 p.m.

TUESDAY, NOV. 3

Library Lecture.
What Makes a Library Good? Dean Michael K. Buckland, Library and Information Studies, University of California, Berkeley. Room 104, Buchanan Building. 11:30 a.m.

Human Settlements and Energy.
Noon-hour video program on Renewable Energy Resources. Featuring geo-thermal, tidal, wind and solar energy in France; hydro-electric development in Paraguay; and methane gas in Fiji. Room 308, Library Processing Centre. 12:30 p.m.

Freesee Film Series.
Gone West, the fifth in this series with the general title America — A Personal History of the United States. Auditorium, Student Union Building. 12:30 p.m.

Botany Seminar.
World Food Supply. Dr. George Sorger, McMaster University, Hamilton, Ont. Room 3219, Biological Sciences Building. 12:30 p.m.

Film Series '81.
A Day in Berlin and *The New Country*. Room 400, International House. 12:30 p.m.

Botany Seminar.
Genetic Control of Nitrogen Metabolism. Dr. George Sorger, McMaster University, Hamilton, Ont. Room 3219, Biological Sciences Building. 3:30 p.m.

Oceanography Seminar.
Large Volume *in situ* Filtration Studies of Particulate Matter in the Panama Basin. Dr. J.K.B. Bishop, Lamont Doherty Geological Observatory, Palisades, New York. Room 1465, Biological Sciences Building. 3:30 p.m.

Biochemistry Lecture.
Bacterial Periplasmic Binding Proteins: Roles in Transport and Chemotaxis. Dr. W. Kay, Biochemistry, University of Victoria. Lecture Hall 1, Woodward Instructional Resources Centre. 4:00 p.m.

Chemistry Seminar.
A Silatrane to Platinum: Platinum Chemistry With Group IV (Si-Pb) Compounds. Dr. Alan Pidcock, University of Sussex. Room 126, Chemistry Building. 4:30 p.m.

Faculty Women's Club.
General Meeting. Tonight's speaker will be Arthur Block, president, Block Brothers Industries Ltd., who will speak on "My Home is My Castle — Or Is It?" Wine and cheese will be served. Husbands and guests welcome. Reservations required — call Virginia Munro at 261-9007. Cost is $2.50. Asian Centre. 7:30 p.m.

Film Series '81.
Germany — Key to Europe. Room 400, International House. 7:30 p.m.

WEDNESDAY, NOV. 4

Pharmacology Seminar.
The Many Facets of Odor Research. Dr. Robert Wright, former head, Olfactory Response Investigation, B.C. Research Council. Room 114, Block C, Medical Sciences Building. 12:00 noon.

Wednesday Noon-Hour Concert.
UBC Chamber Strings perform the Music of Tschaikovsky and Vivaldi, with John Loban, leader. Recital Hall, Music Building. 12:30 p.m.

Anatomy Seminar.
The Function of Sertoli Cell Microtubules and Intermediate Filaments. Room 37, Block B, Medical Sciences Building. 12:30 p.m.

World University Services Film.
Controlling Interest. Room 205, Buchanan Building. 12:30 p.m.

Chemical Engineering Seminar.
Hard Water Scaling of Heat Exchange Tubes. A.P. Watkinson. Room 206, Chemical Engineering Building. 3:30 p.m.

Statistics Workshop.
Pooling Prior Distributions. Christian Genest, Mathematics, UBC. Room 214, Geography Building. 3:30 p.m.

Psychology Colloquium.
Cross-National Comparisons of Personality Structure. Dr. Warren T. Norman, University of Michigan, Ann Arbor. Room 412, Angus Building. 3:30 p.m.

Biophysics Seminar.
Radiation Physics at the Cancer Control Agency. Dr. R.O. Kornelsen, B.C. Cancer Research Centre. Room 201, Hennings Building. 4:00 p.m.

Health Care and Epidemiology Seminar.
Lifestyle Education Toward Prevention of Coronary Heart Disease. William Ornstein. Room 112, Mather Building. 4:00 p.m.

Geophysics Seminar.
Do Geochemical Constraints Really Rule Out Whole-Mantle Convection? Dr. R.D. Russell, Geophysics and Astronomy, UBC. Room 260, Geophysics and Astronomy Building. 4:00 p.m.

Animal Resource Ecology Seminar.
The Role of Rebels: Self-Organization in Ecological Systems. Dr. Scott Carley, Animal Resource Ecology, UBC. Room 2449, Biological Sciences Building. 4:30 p.m.

Comparative Literature Colloquium.
The Problem of Satire. Peter Petro, Slavonic Studies, UBC. Penthouse, Buchanan Building. 4:30 p.m.

Vancouver Semiotics Circle.
The Writing of the Female Body. Dr. Kaja Silverman, Centre for the Arts, SFU. Penthouse, Buchanan Building. 8:00 p.m.

Immunology Group Seminar.
The Control of IgG Production in the Human. Dr. Jean Michel Goust, Basic and Clinical Immunology and Microbiology, Medical University of South Carolina, Charleston. O'Dougherty Conference Room, Second Floor, Acute Care Unit. 8:00 p.m.

THURSDAY, NOV. 5

Woodwind Chamber Ensembles.
Paul Douglas, Ronald de Kant, Martin Berinbaum, and David Branter, directors. Recital Hall, Music Building. 12:30 p.m.

Pharmaceutical Sciences Seminar.
Regulation of Lipolysis in Adipose Tissue and Heart. Dr. David Severson, University of Calgary, Lecture Hall 3, Woodward Instructional Resources Centre. 12:30 p.m.

Essay Skills Workshop.
Sponsored by the Women Students' Office. Room 301, Brock Hall. 12:30 p.m.

Condensed Matter Seminar.
Studies of Surface Structural Properties Using Helium Diffraction. Thomas Engel, University of Washington. Room 318, Hennings Building. 2:30 p.m.

Physics Colloquium.
The Canadian Long Baseline Array. John Galt, Dominion Astrophysical Observatory, Penticton, B.C. Room 201, Hennings Building. 4:00 p.m.

Zoology Seminar.
Bats Are Polyphyletic. Dr. J.D. Smith, Biological Sciences, California State University, Fullerton. Room 2000, Biological Sciences Building. 4:30 p.m.

SUB Films.
Stir Crazy. Continues Friday, Nov. 6 and Saturday, Nov. 7 at 7:00 and 9:30 p.m. and Sunday, Oct. 8 at 7 p.m. Auditorium, Student Union Building. 7:00 p.m.

Woodwind Chamber Ensembles.
Paul Douglas, Ronald de Kant, Martin Berinbaum and David Branter, directors. Recital Hall, Music Building. 8:00 p.m.

FRIDAY, NOV. 6

UBC Chamber Singers.
Music of Carter, Barber and Gesualdo. Recital Hall, Music Building. 12:30 p.m.

Third World Architecture.
Habitat Lecture. Prof. Carlo Testa, Architecture, University of Toronto, and former UNESCO architect. Sponsored by Architecture and Human Settlements. Seminar Room 424, Library Processing Centre. 12:30 p.m.

Medical Genetics Seminar.
ASHG Conference with staff of the medical genetics department. Fourth Floor Conference Room, Health Centre for Children, VGH. 1:00 p.m.

Urban Land Economics Workshop.
Real Estate Indexes and the Measurement of Risk and Return in Real Estate Markets. Prof. James Hoag, Finance, University of California, Berkeley. Penthouse, Angus Building. 3:30 p.m.

UBC Chamber Singers.
Music of Carter, Barber and Gesualdo. Recital Hall, Music Building. 8:00 p.m.

SATURDAY, NOV. 7

Exhibition and Sale.
Sterling silver and pewter jewellery by Ann Davern; enamelling on copper, bas relief slate carvings and pastel paintings by Jean Grant Horner; and oil paintings by Catherine Korol. Salons B and C, Faculty Club. 1:00 to 5:00 p.m.

AMS Concerts.
B-Sides. Co-sponsored by CITR radio. Tickets at AMS Box Office and CBO outlets. No minors please. Ballroom, Student Union Building. 8:00 p.m.

UBC Varsity Basketball.
Buchanan Classic. UBC vs. SFU. War Memorial Gymnasium. 8:30 p.m.

SUNDAY, NOV. 8

Asian Centre Concert.
A concert of South Indian Classical Music by T.V. Sankaranarayanan, vocals; Chalakudi S. Narayanaswamy, violin; and T.K. Murthy, mridangam. Auditorium, Asian Centre. 7:00 p.m.

Scholarship Benefit Concert.
Music of Bach, Ravel, Beethoven, Skriabin. Jane Coop, piano. For more information, call 228-3113. Recital Hall, Music Building. 8:00 p.m.

MONDAY, NOV. 9

Cancer Research Seminar.
Regulation of Megakaryocyte Progenitors in Mice. Dr. Sam Burstein, Hematology Division, Harborview Medical Center, Seattle, Washington. Lecture Theatre, B.C. Cancer Research Centre, 601 W. 10th Ave. 12:00 noon.

UBC Trombone Choir.
Directed by Douglas Sparkes. Program to be announced. Recital Hall, Music Building. 12:30 p.m..

A.I.U.B.C. Lecture.
The Role of Academia in Support of Militarism. Naguib Hazad. Rooms 207/209, Student Union Building. 12:30 p.m.

Mechanical Engineering Lecture.
The ASHRAE Model of Clear Sky Irradiation: Some Suggestions to Expand the Range of Applications and to Reduce Some of its Disadvantages. Meinrad Machler. Room 1215, Civil and Mechanical Engineering Building. 3:30 p.m.

Statistics Workshop.
Tukey's Vacuum Cleaner and Assorted Attachments. Dr. Richard E. Kleinknecht, Statistics Section, Pacific Northwest Laboratory, Battelle Memorial Institute, Richland, Washington. Room 214, Geography Building. 3:30 p.m.

Applied Mathematics Seminar.
Wave Over-Reflection From a Thin Shear Layer. Dr. Roger Grimshaw, University of Melbourne, Australia. Room 104, Mathematics Building. 3:45 p.m.

Zoology "Physiology" Group Seminar.
Intracellular pH in Renal Tubules and Its Role in Acid-Base Excretion. Dr. Walter Boron, Physiology, Yale University. Room 2449, Biological Sciences Building. 4:30 p.m.

Biochemistry Seminar.
Ligand Binding to Heme Proteins. Dr. Fiona Miller. Lecture Hall 4, Woodward Instructional Resources Centre. 4:30 p.m.

AMS Concerts.
The Nylons. Tickets at the AMS Box Office and CBO outlets. No minors please. Ballroom, Student Union Building. 8:00 p.m.

TUESDAY, NOV. 10

Forestry Seminar.
Forest Fertilization Research in B.C. Dr. Gordon Weetman, Forestry, UBC. Room 160, MacMillan Building. 12:30 p.m.

Freesee Film Series.
A Firebell in the Night, the sixth in a series under the general title of America—A Personal History of the United States. Auditorium, Student Union Building. 12:30 p.m.

Human Settlements and Traffic.
Noon-hour video program on Coping with Traffic. The private auto vs. public transit, pedestrian malls, reducing inner core traffic, expanding rapid transit. A look at experiements in two giant cities—Munich and Tokyo. Room 308, Library Processing Centre. 12:30 p.m.

Botany Seminar.
Genetics and Breeding Systems in Wild Species of Lycopersicon. Dr. C.M. Rick, University of California. Room 3219, Biological Sciences Building. 12:30 p.m.

English Colloquium.
Lies and Letters: The Art of Biography. A Panel Discussion with Profs. Keith Alldritt, Ira Nadel and Ian Ross. Penthouse, Buchanan Building. 3:45 p.m.

Biophysics Seminar.
Methods of Physical Mechanics Applied to the Study of Biomembranes. Dr. Evan A. Evans, Pathology, UBC. Room 318, Hennings Building. 4:00 p.m.

Chemistry Seminar.
Cleavage Reactions of Transition Metal-Carbon Sigma Bonds. Dr. Andrew Wojcicki, Chemistry, Ohio State University. Room 126, Chemistry Building. 4:30 p.m.

WEDNESDAY, NOV. 11

Remembrance Day. University Closed.

Remembrance Day Service.
Address will be given by Prof. Finlay Morrison, associate dean, Pharmaceutical Sciences, UBC. Scripture will be read by W.J. Neil, member of the national council of the War Amputations of Canada, and the service will be conducted by Captain The Reverend Edwin Taylor. Music by the UBC Brass Quintet. Foyer, War Memorial Gymnasium. 10:45 a.m.

Frederic Wood Theatre.
Opening night of Eugene Labiche's play *The Italian Straw Hat*. Continues until Nov. 21 (except Sunday). For reservations, call 228-2678. Frederic Wood Theatre. 8:00 p.m.

THURSDAY, NOV. 12

Urban Land Economics Workshop.
Canada/U.S. Urban Comparisons. Prof. Michael Goldberg, Urban Land Economics Division, UBC. Penthouse, Angus Building. 10:00 a.m.

UBC Symphony Orchestra.
Music of Gershwin, Dukas, and Bizet, played by Lori Pisto, piano soloist, directed by Douglas Talney. Old Auditorium. 12:30 p.m.

Stress Management Workshop.
Sponsored by the Student Counselling and Resources Centre. The workshop is from 12:30 to 2:30 p.m. today and continues from 12:30 to 1:30 p.m. on Friday, Nov. 13. Lecture Hall 2, Woodward Instructional Resources Centre. 12:30 p.m.

A.I.U.B.C. Lecture.
Fraser Easton will be the guest speaker. Slides on the Gdansk conference in Poland. Room 100, Buchanan Building. 12:30 p.m.

Pharmaceutical Sciences Seminar.
Is Cyclic GMP a Mediator of Vascular and Nonvascular Smooth Muscle Relaxation? Dr. Jack Diamond, Pharmaceutical Sciences, UBC. Lecture Hall 3, Woodward Instructional Resources Centre. 12:30 p.m.

Continued on page 8

UBC CALENDAR

Condensed Matter Seminar.
Theory of Valence Fluctuations in Solids. Walter Kohn, Institute of Theoretical Physics, University of California. Room 318, Hennings Building. 2:30 p.m.

Physics Colloquium.
Nuclear Fusion. Prof. Robert W. Conn, School of Engineering and Applied Science, University of California. Room 201, Hennings Building. 4:00 p.m.

SUB Films.
The Nude Bomb. Auditorium, Student Union Building. 7:00 p.m.

FRIDAY, NOV. 13

Medical Genetics Seminar.
Clinical Rounds with the clinical staff of the medical genetics department. Fourth Floor Conference Room, Health Centre for Children, VGH. 1:00 p.m.

SUB Films.
1941 and *The Jerk*. Shows at 7 and 9:30 p.m. Auditorium, Student Union Building. 7:00 p.m.

UBC Public Affairs.
The Death of Moshe Dayan — An End of an Era. Dr. Matti Mayzel, visiting professor of History, Tel Aviv University, with host Gerald Savory, Centre for Continuing Education, UBC. Program will be repeated on Friday, Nov. 20 at 7:30 p.m. Channel 10, Vancouver Cablevision. 7:30 p.m.

UBC Symphony Orchestra.
Music of Gershwin; Dukas and Bizet. Lori Pisto, piano soloist, directed by Douglas Talney. Old Auditorium. 8:00 p.m.

UBC Thunderbird Hockey.
UBC Thunderbirds meet the University of Alberta. Thunderbird Winter Sports Centre. 8:00 p.m.

Football.
WIFL final. UBC vs. finalist to be determined. Thunderbird Stadium. 8:00 p.m.

SATURDAY, NOV. 14.

Coping with Stress.
UBC's School of Nursing and Continuing Nursing Education are sponsoring a workshop designed for health professionals who are interested in studying practical strategies for coping with stress. Registration is $45 and must be completed by Oct. 30. Call 228-3055 for further information. Faculty Lounge, Room 295, Acute Care Unit. 9:00 a.m. to 4:30 p.m.

SUB Films.
Richard Pryor Live and *Cheech and Chong's Next Movie*. Shows at 7:00 and 9:30 p.m. Auditorium, Student Union Building. 7:00 p.m.

UBC Thunderbird Hockey.
Thunderbirds meet the University of Alberta. Thunderbird Winter Sports Centre. 8:00 p.m.

Notices . . .

Student Counselling
The Student Counselling and Resources Centre has moved from Ponderosa Annex F and is now located on the main floor of Brock Hall.

Blood Donor Clinics
Blood Donor Clinics will be held on Nov. 4 in Place Vanier Residence from 3 to 8 p.m. and Nov. 30 at Totem Park Residence from 3 to 8 p.m.

Alumni Forestry Division Meeting
The first annual meeting of the Forestry Division of the UBC Alumni Association will be held in Room 278 of the MacMillan Building on Thursday, Oct. 29. The meeting will be at 11 a.m., immediately preceding the Burgess Lane Memorial Lecture.

Nitobe Garden Hours
From Nov. 9 to Feb. 28 the garden will be open from 10 a.m. to 3 p.m. on weekdays and will be closed weekends.

Food Services Hours
All food service units will be closed Wednesday, Nov. 11 in observance of the Remembrance Day holiday. The Education Snack Bar now closes at 5:30 p.m. Monday through Thursday.

Language Institute Courses
The Language Institute is offering conversational French and Spanish courses for six weeks (morning, noon-hour, afternoon and evening sessions available); and Language Teaching Techniques on Saturday mornings. Call 228-2181, local 227 for more information.

Museum of Anthropology
Exhibitions: The Legacy: Continuing Traditions of Canadian Northwest Coast Indian Art, Nov. 25, 1981 to Aug. 31, 1982; West Coast Graphics: Images of Change and Kwagiutl Graphics: Tradition in a New Medium, through until Dec. 31.
Guided Gallery Walks: gallery guides will introduce museum galleries to visitors. 2:30 p.m. on Thursdays.
Free Identification and Conservation Clinic: Nov. 24 from 7 to 8:30 p.m.
Snake in the Grass Moving Theatre: Clowns Garbanzo and Koko perform Sundays at 2 p.m. until Dec. 6.
Museum hours are noon to 9 p.m. on Tuesdays, noon to 5 p.m. Wednesdays through Sundays, and the museum is closed Mondays.
For information on museum activities, please call 228-5087.

Pipers and Drummers
Pipers and drummers among faculty, staff or students at UBC interested in playing with the Thunderbirds Pipe Band on campus are asked to contact Dr. Edward Mornin, at 228-5140. Highland dancers interested in performing on campus are also asked to contact Dr. Mornin.

Today's Theatre
Today's Theatre offers Dance-Drama workshops on Saturday mornings from 10 to 11:30 a.m. for children and adults. Call 228-9803 for more information.

Student Internships '81
Senior Arts students are encouraged to participate in a non-paid study-related work experience program in their area of academic interest to develop skills and gain work experience. To apply, drop by the Office of Co-operative Education and Internship Programs, Room 213 of Brock Hall, or call 228-3022.

Fine Arts Gallery
Paintings of Imperial and Princely India will be exhibited Oct. 7 to 31. UBC Fine Arts Gallery is open from 10 a.m. to 5 p.m., Tuesday through Saturday. For information, call 228-2759.

Co-op Education Meeting
Students in first-year science who plan to enter engineering or forestry are invited to attend the Co-op Education Engineering and Forestry Meeting on Nov. 12 in Room 201 of the Computer Sciences Building. For more information, call 228-3022.

Functional Fitness Appraisal
The John M. Buchanan Fitness and Research Centre is administering a physical assessment program available to students, faculty, staff and the public. $20 for students; $25 for others. For more information, call 228-3996 or contact Recreation UBC, Room 203, War Memorial Gymnasium.

Frederic Wood Theatre
The Frederic Wood Theatre presents *The Italian Straw Hat* by Eugene Labiche Wednesday, Nov. 11 through Saturday, Nov. 21 (except Sunday). Admission is $6; $4 for students. For ticket reservations, call 228-2678 or drop by Room 207 of the Frederic Wood Theatre Building.

Host Families Needed
Family environments wanted for foreign students learning English at UBC. Paid room and board. If you can help, please call Linda at 228-2181, local 266.

CITR

100.1 on cable fm

Sunday, Nov. 1
4:30 p.m. *Laughing Matters*. A comical look at music (part 2). Monty Python, Tom Lehrer, Bob Newhart, Firesign Theatre, and the Marx Brothers are featured.

Monday, Nov. 2
3 p.m. *The Melting Pot*. Mike Mines talks to UBC grad student Hope McEwan about memory and Eyewitness Testimony.
4:30 p.m. *Making Waves*. Don Plant talks to Al Soroka about the Committee Against Racist and Fascist Violence.
7 p.m. *Off Beet*. A comic roundup of the week's off-beat news and a street level review of cheap entertainment.

Tuesday, Nov. 3
3 p.m. *Gay Issues*. Produced by Gay People of UBC
5 p.m. *Thunderbird Sports Report*. A look at intercollegiate and intramural sport at UBC.
9 p.m. *Airstage*. Featured is *The Fatal Error*, a radio drama written by UBC creative writer Ernest Hekkanen. Produced by Joe March and the CITR players.

Wednesday, Nov. 4
3 p.m. *Still Ain't Satisfied*. The female influence in Gaelic literature. A talk given by Maire Cruise O'Brien.

Thursday, Nov. 5
3 p.m. *Cross Currents*. Blue Herron and co-op housing in Vancouver.
5 p.m. *Thunderbird Sports Report*. A look at intercollegiate and intramural sports at UBC.

Friday, Nov. 6
3 p.m. *Dateline International*. Dave Martins looks at the balance of international power.

Saturday, Nov. 7
3 p.m. *Behind Four Walls*. Daryl Zacharko asks "What use are rent controls?"
4:30 p.m. *Making Waves*. Joe March looks at Holistic Medicine. Interviews with BCMA, AMA, and Dr. R.W. Rowatt.

Monday, Nov. 9
3 p.m. *The Melting Pot*. Harry Hertscheg talks to UBC grad student Max Burmeister about his master's research.
4:30 p.m. *Making Waves*. Sonny Wong talks about Pay TV in Canada with representatives from the cable companies and the CRTC.
7 p.m. *Off Beet*. A comical roundup of the week's off-beat news plus a street level feature.

Tuesday, Nov. 10
3 p.m. *Gay Issues*. Produced by the Gay People of UBC.
5 p.m. *Thunderbird Sports Report*. A look at intercollegiate and intramural sports at UBC.
9 p.m. *Airstage*. A radio drama written by Vancouver freelance writer Jerry Eberts. *Just Buying Food* is produced by Joe March and the CITR players.

Wednesday, Nov. 11
3 p.m. *Still Ain't Satisfied*. Women in writing careers: a variety of viewpoints.

Thursday, Nov. 12
3 p.m. *Cross Currents*. The social implications of genetic research.
5 p.m. *Thunderbird Sports Report*. A look at intercollegiate and intramural sports at UBC.

Friday, Nov. 13
3 p.m. *Dateline International*. Julie Schmidt looks at the World Business Conference held in Vancouver.

7:30 p.m. *Thunderbird Football*. The WIFL Championship (probably the University of Alberta vs. UBC). Joe March has the play by play, Phil Keeber and "Rocket" Ron Burke add the color.

Saturday, Nov. 14
3 p.m. *Behind Four Walls*. Daryl Zacharko looks at rental agencies in the Lower Mainland.
4:30 p.m. *Making Waves*. Joe March takes a look at the latest legislation banning leg hold traps.

CANADA'S ENERGY IS MINDPOWER

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