

UBC reports

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Elfrieda Langemann, right, and Jennifer Jestley are being fitted by Phillip Clarkson in the turn-of-the-century costumes they'll wear in Benjamin Britten's comic opera *Albert Herring*, which opens in the Frederic Wood Theatre March 5. UBC Departments of Music and Theatre have joined forces to stage the production, which continues until March 15 (excluding Sunday, March 8). Theatre department head John Brockington and music professor French Tickner are co-directors of the opera, which includes a 14-piece orchestra. Tickets are available at the Freddy Wood (Room 207) or by calling 228-2678.

Open House shaping up

A sneak preview of Vancouver's newest hospital, the Walter Koerner Acute Care Unit of UBC's Health Sciences Centre Hospital, will be only one of the highlights of Open House 1980 on March 14 and 15.

UBC's Open House is now an annual event and this year the spotlight is on the health sciences. Next year it will focus on the applied sciences, including forestry, agricultural sciences and engineering.

Other features of Open House 1980 include a wide range of displays and exhibits on health topics, most of them centred on the Woodward Instructional Resources Centre; 18 mini-lectures on everything from heart disease and cancer to recombinant DNA and medical breakthroughs; and a demonstration, using the Anik B satellite, of how new technology (tele-medicine, for example) will have an impact on health care in the 1980s.

Open House hours are 9 a.m. to 9 p.m. on Friday, March 14, and 10 a.m. to 10 p.m. on Saturday, March 15. Watch for a special issue of *UBC Reports* on Wednesday, March 12,

which includes details of Open House events and a map of the health sciences buildings open to the public.

If you're a health sciences student, there's a good chance your lectures and labs will be cancelled on both days. If in doubt, check with your lecturer.

Appointment made

Dr. Murray Elliott, director of undergraduate studies for UBC's education faculty, has been appointed to the new certification advisory committee by the provincial Ministry of Education.

The committee is an outgrowth of a recommendation in the 1978 report on teacher training made by a Joint Board of Teacher Education committees under the chairmanship of former UBC professor Dr. Malcolm McGregor.

The committee will advise the ministry on provincial certification policies and programs, as well as dealing with specific cases of teacher certification or de-certification.

Major overhaul urged for UBC info systems

A four-member task force appointed by UBC's president, Dr. Douglas Kenny, has recommended a major overhaul of University administrative information systems.

The task force, headed by Dr. Jim Kennedy, director of UBC's Computing Centre, has made 14 recommendations for revising the existing system so that it will generate timely and accurate information needed for planning, management and financial reports by the University administration and academic units.

The task force's first recommenda-

tion urges the University to adopt five basic principles in developing its administrative systems, principles which it says are "close to being self-evident."

The principles relate to the compatibility of UBC information systems, the method of handling data collected for official University purposes and the elimination of hand compilation of reports if information is already available within the University data base.

To translate the principles into action, the task force recommends that a new office with a University-wide perspective be established within the President's Office.

In addition to expediting the development of information systems along the lines suggested in Recommendation 1, the tentatively named "University Co-ordination Office" would also be responsible for communication with all parts of the University and for enforcement of standards in such matters as the encoding of information and the design of major inter-departmental forms.

TOP PRIORITY

The task force has also recommended:

- Assignment of top priority to the development of computer-based personnel information systems for both faculty and staff employed by UBC and for the University's purchasing system;

- Creation of a computer-based biographical file and lists of publications by faculty members, together with provision for easy annual updating or as needed;

- Generalization of University financial systems by inclusion of a new coding system which can be used to classify transactions for reporting purposes;

- Preparation of a manual outlining office procedures and services to meet the needs of staff members; and

- The redesigning of University forms to reduce their numbers, eliminate re-typing and re-copying, and facilitate data entry into the computer.

The committee's 14th recommendation asks that the University earmark about \$1 million in non-recurring funds for the purchase of new computing equipment, packaged programs and consulting services, and increase by about 11 per cent (\$250,000) the Computing Centre budget in order to put the task force's plan into operation. This will enable the personnel and purchasing systems to begin feeding the University data base in 1980-81.

The task force says that failure to undertake the proposals will "invite continued redundant data entry, proliferation of clerical staff, and continuation of hidden costs as academic departments and others develop their own similar but specialized and undocumented systems for their needs."

SECOND REPORT

Part One of the task force's report — an overview of University information systems and the 14 recommendations — has been submitted to President Kenny for study and distributed to all deans and department heads for information and comment.

The task force will now prepare a second, more detailed report which will expand on many of the observations and recommendations made in Part One.

The task force began its work last October and expects to complete its final report before March 31, when its mandate ends.

Assisting Prof. Kennedy, who was named a special assistant to the president for the duration of life of the task force, are Robin Russell, data base administrator for the Computing Centre; John McMaster, senior analyst for Institutional Analysis and Planning; and Fern Long, systems analyst on loan from the Department of Finance.

Athletic awards 'unique'

An athletic scholarship program, which UBC sports officials say is "unique in Canada," has been announced by the provincial government.

The program, when it comes into full-scale operation in September, will provide 550 awards, each worth \$1,000, to UBC, UVic and SFU athletes who are members of senior teams involved in top-tier competition with other universities.

The B.C. program is unique because it is government sponsored, UBC officials said. Programs of aid to university athletes in other Canadian provinces are normally sponsored by the university where the student is registered.

IN OPERATION

The scholarship program is already in operation, according to UBC athletic director R.J. "Bus" Phillips who, with UBC women's athletic director Marilyn Pomfret, is a member of an advisory committee (for the program) to Dr. Patrick McGeer, B.C.'s minister for universities, science and communications.

A total of 109 UBC students have already received \$500 awards in the second term of the 1979-80 winter session on the recommendation of their coaches and with the approval of the advisory committee to the minister. An additional 120 awards have been made to students at UVic and SFU.

The \$500 awards have been made to UBC athletes participating in men's and women's basketball, gymnastics, skiing, swimming and diving, volleyball, indoor track and field, men's ice hockey and wrestling.

Eligible for \$1,000 awards in September will be top athletes in men's and women's cross country, rowing, sailing, track and field; women's field hockey; and men's football, golf and soccer.

To be eligible for the awards, athletes must be registered for 12 or more units of academic work and be members of senior university teams. Team coaches will nominate students for the awards.

The awards will be paid in two equal instalments of \$500 each at the beginning of the first term in September and in January, when the second term begins.

PURCHASE EQUIPMENT

Mr. Phillips said he expected the awards program would encourage many athletes to remain in B.C. instead of enrolling at U.S. universities. He said it would also help athletes on some teams to purchase equipment not supplied by universities and to make up for summer income lost because of the start of training sessions.

"For example, members of our ski team have to purchase their own skis and members of the Thunderbird football team have to sacrifice two or more weeks of income from summer jobs in order to report for training camp," he said.

Senate

Senate voted at its February meeting to refer to UBC's 12 faculties a proposed Calendar statement that seeks to implement a motion passed at the January meeting of Senate allowing students to view their marked, final exam papers with course instructors.

The January Senate motion charged department heads with ensuring that the policy is carried out, provided students submit a written request that they be allowed to view the marked paper with the course instructor.

In the intervening month, UBC Registrar Ken Young, "with the help of some other members of Senate," prepared a proposed Calendar statement to implement the January motion. Last week the Senate agenda committee proposed that it be referred to all faculties "for consideration of its administrative implications."

The statement, which faculties are asked to consider in time for Senate's April meeting, is as follows:

"A final examination becomes the property of the University and must remain in the possession of the University until destroyed or otherwise disposed of. Upon receipt of written application from the student, the Department Head, Director or Dean will make every effort to arrange for the student to view her or his marked final examination paper (or papers) with the course instructor. The purpose of this exercise is exclusively pedagogic, and distinct from an informal review of the marks and also from the Review of Assigned Standing."

Several student Senators, including Doug Watt, who sponsored the original motion in January, argued that referring it to the faculties would delay implementation.

An amendment to the agenda committee's motion, which would have required the faculties to report back to Senate in March, was defeated. Senate then went on to approve the motion from the agenda committee.

UBC's Faculty of Commerce and Business Administration is concerned about failure rates among first-year Commerce students who transfer from community colleges as compared to the rate for students entering the program after completing first-year Arts and Science at UBC.

Commerce Dean Peter Lusztig told Senate at its February meeting that

last year 73 per cent of the students who entered his faculty from first-year Arts or Science passed all 15 units, while eight per cent failed or withdrew. Of the 100 college transfer students in the same year, 50 per cent passed 15 units and 28 per cent failed their year.

"It is clear," Dean Lusztig said, "that (Commerce) will have to exercise some judgment and discrimination in the handling of applicants from community colleges." Applicants from some colleges, like Okanagan College, he continued, have no difficulty and their performance is at least equal to those coming from Arts and Science.

"But there are transfer students from particular colleges that are causing some problems." Dean Lusztig said he had drawn the problem to the attention of Senate's admissions committee and had shared the information on success-and-failure rates with community college teachers instructing in subjects required for entry into the Commerce faculty.

UBC's Senate approved in principle at its February meeting the goals and objectives as stated on pages 26 to 30 of *The Mission of the University*, a document prepared by President Douglas Kenny at the request of the Universities Council of B.C. and which was made public in December.

The motion to approve the goals and objectives was made by Convocation Senator J.F. McWilliams, who said the mission statement was an important document about the directions in which the University would be moving over the next decade. He said the four Convocation members on Senate felt the statement "should have the official recognition of Senate."

The motion was approved without debate.

Senate also:

- Approved a change of name for the Department of Metallurgy in the Faculty of Applied Science to the Department of Metallurgical Engineering; and

- Was informed by Dr. Jon Wisenthal, chairman of its curriculum committee, that a sub-committee chaired by Prof. Roy Nodwell, head of the Department of Physics, has been established to conduct an "on-going review of the situation regarding statistics courses on campus."



Vancouver Park Board workman was almost hidden last week in the underbrush on the edge of the Point Grey cliffs near the Museum of Anthropology as work began on erosion-control program. Root-damaged and dangerously located trees, which would strip away protective mantle of soil when they fell, were cut down to within one metre of ground level, ensuring their survival. Trees' root system will aid in stabilizing soil mantle along cliff edge. Tree-cutting was done under watchful eyes of members of the Wreck Beach Committee, which is urging that beaches at base of cliff remain in their natural state. UBC has approved spending \$153,000 for first phase of erosion control plan, which also includes improvement of trails to beaches, continuation of a revegetation program on eroded areas of cliff face and reconstruction of storm drain at cliff base.

Survey set for March

The UBC library is planning to ask members of the University community for information and comments on its services.

A short questionnaire, which library officials say will take only a few minutes to complete, will make its appearance early in March in all branches of the campus library system.

The questionnaire will ask library users which branches they use, how frequently they visit them and their views on the various services that are available in campus libraries.

Users' comments will also be requested on such topics as library phone services, ease of access to library materials and the availability of assistance.

The results of the survey will be carefully analysed by a ten-member committee of librarians, which has been meeting since November of last year to devise the questionnaire. The results will affect services offered in the library, a member of the survey committee said.

The questionnaire will probably be handed out to users in larger libraries and will be available at information desks in smaller branches.

Funds sought

An 11-member committee of admirers of the late Prof. B.C. "Bert" Binning, the noted Canadian painter who was head of the fine arts department at UBC from 1955 to 1968, has launched an appeal aimed at endowing a fellowship in his memory.

The committee aims to raise a total of \$50,000 to endow a fellowship to be awarded to a graduate student enrolled in the new Master of Fine Arts program, which began this year in the Department of Fine Arts.

Cheques should be made payable to the "University of B.C. - B.C. Binning Memorial Fellowship" and sent to the Department of Fine Arts. Contributions are income-tax deductible.

An exhibition of line drawings by Prof. Binning will be on display in UBC's Fine Arts Gallery in the basement of the north wing of the Main Library from March 5 to 29. The gallery is open Tuesday through Saturday from 10 a.m. to 5 p.m.

UBC institute embarks on trade study after completing 4-year ocean project

Canada and the world in general know a lot more about the international management of the oceans today than they did in the early part of the 1970s.

And one of the organizations which has made a significant contribution to improving knowledge about the oceans is UBC's Institute of International Relations.

The institute, which is headed by energetic political scientist Mark Zacher, has just completed a four-year project on Canada and the international management of the oceans and is about to embark on a similar endeavor which will focus on Canada and international trade relations.

MAJOR CHANGES

Dr. Zacher said the UBC institute decided to embark on the oceans study in the early 1970s when some major changes were in the offing internationally. "In retrospect," he said, "I'm sure we'll look back on the decade of the '70s as the period which saw the most important changes that have ever occurred in ocean management."

The changes referred to by Dr. Zacher include the extension of jurisdiction by states over all resources to a limit of 200 miles off their coastlines, regulation of the uses of the ocean to prevent pollution, implementation of new navigational restrictions and regulation of the uses of the seabed for mining and military purposes.

All these topics have been the subject of more than 50 books, articles and other publications which have flowed from the pens of 18 faculty members and seven research associates who were supported by a \$170,000 grant from the Donner Canadian Foundation of Toronto and additional funding from the Department of National Defence, the U.S. Rockefeller Foundation and the Canada Council.

Dr. Zacher believes the major contribution of the UBC project has been to help fill a notable gap in knowledge about oceans issues by generating a great deal of analysis and discussion. And because many of the researchers concentrated on Canadian ocean interests and problems, the project has helped to overcome what Dr. Zacher describes as the "paucity of basic information in this area that existed in Canada at the beginning of the '70s."

DEFINITIVE WORK

He points to the book *Canadian Foreign Policy and the Law of the Sea*, which he edited with research associate Barbara Johnson, as a volume that will "probably stand for some time as a fairly definitive work on Canadian interests and policies in this field."

The book, published by the University of B.C. Press, contains eight essays by participants in the UBC project on issues related to the ocean seabed, fisheries, marine pollution and the UN's Law of the Sea Conference. Reviewers have praised the "superior quality" of the essays "written with the minimum technical and legal jargon."

It seems likely, too, that another major book resulting from the project, written by Dr. Zacher and lawyer Michael M'Gonigle, will have a significant impact on thinking about the control of oil pollution in the oceans through international agreement and regulation.

Pollution, Politics and International Law: Tankers at Sea, published in the fall of 1979 by the University of California Press, was seen in advance by some leading industry officials and political scientists and international

law specialists who praised it as "an exciting path-breaking study... which combines the results of wide-ranging research, acute insight into the problems and practices of international industry and inter-governmental negotiations and a commendable degree of objectivity in evaluating the facts and information collected..."



Prof. Mark Zacher

Throughout the course of the project, the institute has disseminated the results of the studies through seminars, public lectures and a major conference entitled "Canada and the International Management of the Oceans," to which key industry and government officials were invited.

Several members of the research team have also been involved in studies for the federal government on fisheries arrangements with foreign governments with respect to the new 200-mile zone and with the provincial government on the B.C. position on maritime boundaries off the British Columbia coast.

Now the institute is embarking on another project—Canada and International Trade Relations—which will see 23 experts from three UBC faculties—Arts, Law, and Commerce and Business Administration—undertake 18 separate research studies to produce an estimated 50 publications.

The major support for the new project will again come from the Donner Canadian Foundation, which has approved grants totalling \$275,000 over the next three years.

IMPORTANT ISSUES

Dr. Zacher said the research would focus on important issues of Canada's trade policy and some external economic developments which will have important implications for Canada's future.

"In designing the project," he said, "a major effort has been made to include studies of Canadian trade relations with Asia and the Soviet Union and Eastern Europe, two areas which are looming as increasingly important in international economic relations and in which UBC has considerable expertise."

Dr. Zacher said the economic character of most countries and international economic relations are undergoing fundamental changes which will profoundly affect both the welfare and security of Canada as well as other nations.

He said a number of factors, including the emergence of Japan and the EEC as economic superpowers, the

dramatic rise of oil-exporting nations and the increase in Soviet international economic ties, the chronic balance-of-payments deficits of the U.S. and the growth in protectionism in many countries, have all combined to upset the post-World War II international economic order, which was built on the predominance of the North American and Western European states and close policy coordination between them.

"Canada's international economic relations and general well-being have felt and will feel the shock of these and other external developments," he said, "and the country may have to restructure its trade policies in some very marked ways to adjust to such changes."

He said a major aspect of the project would be the establishment of links with relevant sectors of government and industry so that results of the UBC studies will have impact in Canada and abroad.

PUBLIC LECTURES

In addition, the institute plans a series of public lectures and conferences with government and business leaders to disseminate research results.

UBC experts in economics and international law, some of them associated with UBC's Institute of Asian Research, will carry out studies on Canadian trade relations with Asia. Topics include the legal aspects of doing business with the People's Republic of China, Canadian-Indonesian economic relations and Japan's policies toward its trading partners.

Under the heading of Canadian trade relations with Russia and Eastern Europe, studies will be done on Canada's role in east-west trade and Soviet policies toward trade with western nations.

The other major research headings are Canada and the structure of international economic relations and Canadian trade policy issues. Study topics include reform of international trade organizations, economic structure and tariff policy, consumer law and Canadian and American trade in consumer goods, and the international transfer and diffusion of Canadian technology.

Quite apart from the value of published research, Dr. Zacher sees the activities of the institute having widespread impact both inside and outside the University.

"The whole point of having an institute," he said, "is that it is multidisciplinary, drawing together expertise from a large number of UBC departments and faculties. It's very easy to become isolated in a large institution like UBC, and part of our function is to break down barriers and provide a forum for co-operation and the exchange of ideas."

LARGER BENEFITS

There are larger benefits as well. "The research done by faculty members," said Dr. Zacher, "increases their knowledge and is communicated to students through classroom lectures. The result is a better-informed pool of students. And some of them—those with an interest in international relations—are the next generation of scholars who will take their places in the academic world throughout Canada or will become key figures in government and industry where crucial decisions will have to be made in areas such as ocean management and international trade."

Park plan readied for Endowment Lands

A proposal for a major regional park of some 600 hectares (1,500 acres) on the University Endowment Lands is being prepared by the Greater Vancouver Regional District.

The boundary of the proposed park (see map at right) includes two large blocks of forested land south of 16th Avenue and north of Chancellor Boulevard, and a connecting corridor.

About 50 hectares or 130 acres of the UEL are classified as "reserve land" and are not included in the park proposal. The University Golf Course, residential areas in the UEL, and Marine Drive Foreshore Park, (the strip of land on the seaward side of Southwest and Northwest Marine Drive, controlled by the Vancouver Park Board), are also excluded from the park proposal.

The areas designated as reserve lands are located on 16th Avenue, Chancellor Boulevard and adjacent to University Hill secondary school. A GVRD information package on the park proposal says the GVRD has requested that the province "discuss future uses of the reserve lands

co-operatively with the GVRD, UBC, the City of Vancouver and local residents."

The GVRD park proposal would establish a "nature park" to encourage public use of the forest for recreation and education, link the park with the UBC campus "by sharing use of assets and attractions," and foster a high level of co-ordination and collaboration with the public of the regional district, UBC, Vancouver and local residents in decisions on park development and management.

Under the heading of education, the proposal suggests development of a nature interpretation program with self-guiding nature trails and designation of a portion of the forest for use by UBC faculty and students for field trips, sampling and research.

The proposal also calls for the protection of special biological areas such as the Camosun Bog and an aspen grove south of 16th Avenue, and provision of adequate fire protection.

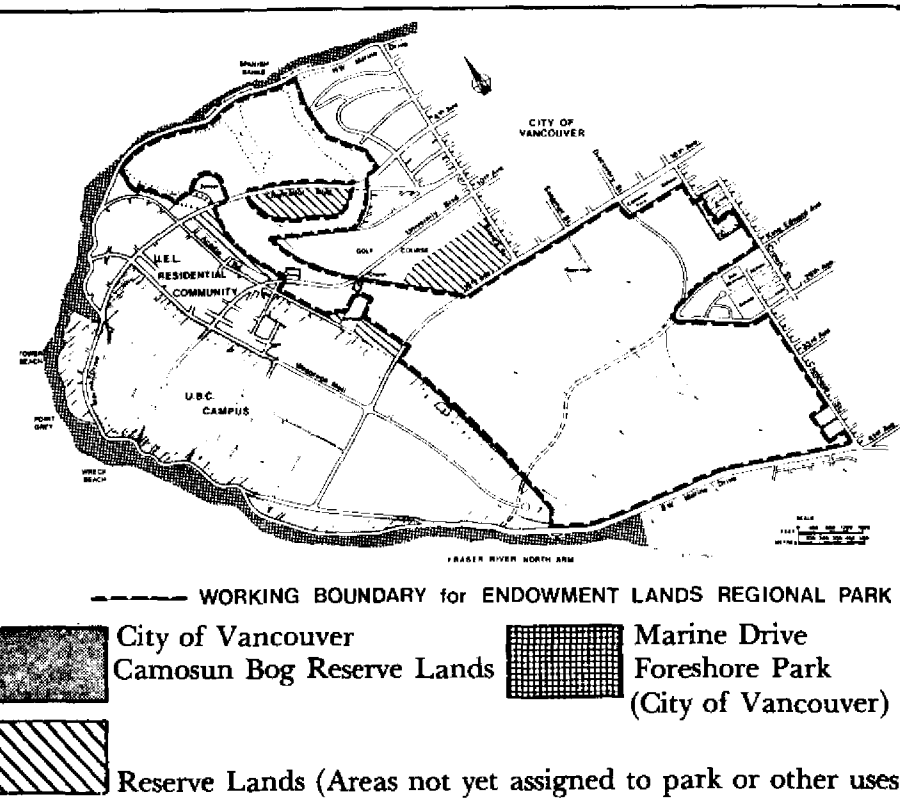
In terms of recreation, the proposal suggests facilities for a variety of activities including jogging, bicycling, picnicking, hiking, horseback riding and camping.

The GVRD is currently holding an open house at its offices at 2215 West 10th Ave. to provide information on the proposal. Hours of the event are 7 to 10 p.m. today (Wednesday, Feb. 27) and Thursday.

The GVRD proposal will be sent to James Chabot, minister of lands, parks and housing, after it has been discussed by the GVRD's park committee on March 12 and the board of directors on March 26.

The GVRD proposal largely follows the recommendations made by a UEL study team appointed by the provincial government in 1977. In its report the study team proposed that just under 2,000 acres, including the University Golf Course and Foreshore Park, "be designated as a natural park supporting integrated uses for recreation, education and forest ecology research."

The study team also recommended that the park be operated by a "representative advisory body" made up of the provincial government, UBC, the GVRD, the City of Vancouver, the Musqueam Indian Band and the public at large.

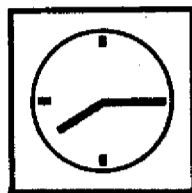


UBC Calendar

UBC CALENDAR DEADLINES

Events in the week of:
 March 9 to March 15 Deadline is 5 p.m. Feb. 28
 March 16 to March 22 Deadline is 5 p.m. March 6
 Send notices to Information Services, 6328 Memorial Road (Old Administration Building), Campus. Further information is available at 228-3131.

THE VANCOUVER INSTITUTE



SATURDAY, MARCH 1
 Sir Edmund Leach, Provost of King's College, Cambridge, on *Michelangelo's Genesis — An Anthropologist's View*.
SATURDAY, MARCH 8
 Prof. Hou Renzhi, head, Department of Geography, Peking University, People's Republic of China, on *Outstanding Ancient City Ruins in the Deserts of the Inner Mongolia Autonomous Region of China*.
 Both lectures at 8:15 p.m., Lecture Hall 2, Woodward Instructional Resources Centre.

SUNDAY, MARCH 2

1:30 p.m. **USES OF THE CEDAR TREE.** Northwest Coast Indian students present a program on the many traditional uses of the cedar tree. This program is repeated at 2:30 p.m. Museum, 6393 Northwest Marine Dr.

MONDAY, MARCH 3

12 noon **CANCER RESEARCH SEMINAR.** Dr. W. Godolphin, Division of Clinical Chemistry, VGH, on *Clinical and Pathological Correlates of Estrogen Receptors in Breast Cancer*. Lecture Theatre, B.C. Cancer Research Centre, 601 W. 10th Ave.

12:30 p.m. **ASIAN WEEK AT INTERNATIONAL HOUSE** Colloquium. Dr. John Howes, Asian Studies, UBC, on *Japanese Canadians*. Upper Lounge, International House.

FINE ARTS LECTURE. Dr. Marvin Cohodas on *The Observatory at Chichen Itza*. Room 102, Lasserre.
FACULTY RECITAL. Dennis Miller, tuba, performs *Music of Bach, Schumann, Armand Russell and Wagner*. Recital Hall, Music Building.

3:30 p.m. **MANAGEMENT SCIENCE SEMINAR.** Prof. M. Henig, Commerce, UBC, on *Dynamic Programming in Partially Ordered Sets*. Room 312, Angus Building.
ENGLISH COLLOQUIUM. Errol Durbach on *Dying is an Art: The Romanticism of Hedda Gabler*. Fifth floor lounge, Buchanan Tower.

APPLIED MATHEMATICS SEMINAR. Prof. Peter D. Lawrence, Electrical Engineering, UBC, on *Use of a Myelinated Nerve Model to Determine the Effects of Electrical Stimulus Waveform Parameters*. Room 205, Mathematics Building.

3:45 p.m. **MECHANICAL ENGINEERING SEMINAR.** P. Gorog, metallurgy graduate student, UBC, on *Radiation Heat Transfer in Rotary Kilns*. Room 1215, Civil and Mechanical Engineering Building.

4:00 p.m. **ASTRONOMY SEMINAR.** Dr. Andrew Bernat, Kitt Peak National Observatory, Tucson, Ariz., on *Observational Studies of Mass Loss From Red Giants*. Room 318, Hennings Building.

8:00 p.m. **IMMUNOLOGY SEMINAR.** Dr. Bob Schellenberg, Medicine, St. Paul's Hospital, on *Modulation of Mast Cell Mediator Release*. Salons B and C, Faculty Club.
HUMAN NUTRITION LECTURE. Dr. D.B. Jelliffe, School of Public Health, UCLA, on *Nutrition and Child Health*. Lecture Hall 2, Woodward Instructional Resources Centre.

TUESDAY, MARCH 4

12:30 p.m. **ASIAN WEEK AT INTERNATIONAL HOUSE** Colloquium. Dr. Geoffrey Hainsworth, Economics, UBC, on *Canadian-Southeast Asian Economic Relations*. Upper Lounge, International House.

CLASSICS LECTURE. Prof. Thomas G. Rosenmeyer, Classics and Comparative Literature, University of California at Berkeley, on *Decision-Making in Classical Tragedy*. Penthouse, Buchanan Building.

DISTINGUISHED VISITORS PROGRAM. Frank Moore Cross, Hancock Professor of Hebrew, Harvard University, on *Canaanite Civilization and the Origins of the Alphabet*. Room 100, Buchanan Building.

HISTORY LECTURE AND FILM. Prof. John H. Weis, History, Cornell University, Ithaca, N.Y., on *Farrebique and French History: The Film as Poem and as Document*, followed by subtitled French film *Farrebique on The Four Seasons*. Room 217, Buchanan Building.

SLAVONIC STUDIES LECTURE. Prof. Gerald Smith, research fellow, University of Liverpool, on *The Bolshevik Prince: D.S. Mirsky*. Room 104, Buchanan.
BOTANY LECTURE. Dr. Richard Mack, Botany, Washington State University, on *Holocene Vegetation History of the Interior Pacific Northwest of the United States*. Room 3219, Biological Sciences Building.
UBC CANOE CLUB series on *Canoeing and Kayaking*. This week's film is *Path of the Paddle*. Lecture Hall 1, Woodward Instructional Resources Centre.

1:30 p.m. **ELECTRICAL ENGINEERING SEMINAR.** R.E. Chamberlain, Systems Engineering Department, MacMillan Bloedel, on *Undergraduate Education for Process Control Engineers*. Room 402, MacLeod Building.

2:00 p.m. **BOARD OF GOVERNORS** open meeting. Persons interested in attending the open section of the Board's monthly meeting can obtain a ticket to the visitors' gallery by calling Nina Robinson, clerk to the Board, at 228-2127, at least 24 hours in advance of the meeting in the Board and Senate Room, Old Administration Building.

3:30 p.m. **HUMAN NUTRITION LECTURE.** Mrs. E.F.P. Jelliffe, M.P.H., School of Public Health, UCLA, on *Breast Feeding Programs*. Lecture Hall 2, Woodward Instructional Resources Centre.

3:30 p.m. **OCEANOGRAPHY SEMINAR.** Dr. Jan Backhaus, Institute of Oceanography, University of Hamburg, on *Modelling Currents in the German Bight (North Sea) With Regard to Problems of Pollution*. Room 1465, west wing, Biological Sciences Building.

4:30 p.m. **BIOCHEMICAL SEMINAR.** Dr. Charles Cantor, Chemistry, Columbia University, New York, on *Structure of RNA's on the Ribosome*. Lecture Hall 3, IRC.
CHEMISTRY SEMINAR. Dr. C. Bradley Moore, Chemistry, University of California at Berkeley, on *Photochemistry with Lasers*. Room 250, Chemistry.

6:00 p.m. **WOMEN'S NETWORK DINNER.** B.C. Ballroom, Hotel Vancouver. Information 228-2181, local 240, 225.
MUSEUM OF ANTHROPOLOGY "touchable" exhibit for the visually handicapped. Appointments at 228-5087.

7:00 p.m. **B.C. DIETETIC ASSOCIATION LECTURE** and reception. Dr. D.B. Jelliffe, School of Public Health, UCLA, on *Nutritional Assessment of Early Malnutrition in Childhood*. Ballroom, Graduate Centre.
CUSO DIALOGUES IN DEVELOPMENT on *The Politics of Aid and Foreign Investment* with resource person Dr. Jon Rau. Upper Lounge, International House.

WEDNESDAY, MARCH 5

10:30 a.m. **MARKETING WORKSHOP.** Prof. Robert F. Kelly, Commerce, UBC, on *A Conceptual Approach to Life Style Research*. Penthouse, Angus Building.
INSTITUTE OF RESOURCE ECOLOGY Occasional Lecture. Prof. Aaron Wildavsky, Survey Research Center, University of California, Berkeley, on *Richer is Safer*. Room 201, Computer Sciences.

12 noon **PHARMACOLOGY SEMINAR.** Dr. John M. Gosline, Zoology, UBC, on *Biomechanics of Elastin in Relation to Arterial Function*. Room 114, Block C, Medical Sciences Building.

ENERGY LECTURE SERIES. Dr. David B. Brooks, co-ordinator, Ottawa Office, Energy Probe, on *Energy and Jobs*. Theatre, Robson Square Media Centre.

12:30 p.m. **HUMAN NUTRITION LECTURE.** Dr. D.B. Jelliffe, School of Public Health, UCLA, on *Cultural Factors in Nutrition*. Rooms 207-209, Anthropology and Sociology.
ASIAN WEEK AT INTERNATIONAL HOUSE. Dr. Edgar Wickberg, History, UBC, on *Historical Perspectives on Chinese Canadians in the Larger Canadian Society*. Upper Lounge, International House.

NOON-HOUR CONCERT. Robert Silverman, piano, performs *Music of Brahms*. Recital Hall, Music.
SOCIAL WORK SEMINAR. Prof. Robert Pinker, Social Work Studies, London School of Economics and Political Science, on *The Contribution of the Social Sciences to Social Policy: Recent Developments in Britain*. Room 102, Buchanan Building.

2:30 p.m. **GENETICS DISCUSSION GROUP.** Richard Smith, Microbiology, UBC, on *Replication and Recombination of T7 DNA*. Room 200, Westbrook Building.
SLAVONIC STUDIES SEMINAR. Prof. Gerald Smith, research fellow, University of Liverpool, on *The Versification of Marina Tsvetaeva*. Penthouse, Buchanan.

CHEMISTRY SEMINAR. Dr. Michael Tweedle, Chemistry, Stanford University, on *The Reactivity of Carbon-Bonded Imidazole Complexes of Ruthenium Amines*. Room 225, Chemistry Building.

3:30 p.m. **STATISTICS WORKSHOP.** Prof. Jack Kalbfleisch, Statistics, University of Waterloo, on *Competing Risk Models and Related Topics*. Room 510, Angus Building.
GEOPHYSICS SEMINAR. Dr. W.R. Green, Placer Development Ltd., on *Computer Graphics and Data Analysis*. Room 260, Geophysics and Astronomy.

4:00 p.m. **CLASSICS SEMINAR.** Prof. Thomas G. Rosenmeyer, Classics, University of California at Berkeley, on *Thoughts on Irony*. Penthouse, Buchanan Building.

4:30 p.m. **ECOLOGY SEMINAR.** Dr. Lee Gass, Animal Research Ecology and Zoology, UBC, on *Humming Bird Economics: A Model System for Study of Decision Making in Nature*. Room 2449, Biological Sciences Building.

THURSDAY, MARCH 6

9:00 a.m. **HUMAN NUTRITION SPECIAL SEMINAR.** Mrs. E.F.P. Jelliffe, M.P.H., School of Public Health, UCLA, on *Appropriate Technology for Nutrition*. Room 100, Home Economics Building.

OPERA

Albert Herring, a comic opera by Benjamin Britten, begins on Wednesday, March 5, and continues until Saturday, March 15, at the Frederic Wood Theatre at 8 p.m. Admission, \$6, students, \$4. For ticket reservations, phone 228-2678, or drop by Room 207 of the Fredric Wood Theatre building.

RESIDENCE APPLICATIONS

The 1980/81 Winter Session residence applications are now available. Students wanting accommodation next fall in Totem Park, Place Vanier or Walter H. Gage Residence should pick up their applications as soon as possible at the Student Housing Office, 2071 West Mall (Ponderosa Building).

MUSEUM OF ANTHROPOLOGY

An exhibit of *Chinese Children's Art: Selections from Luda Municipality, Liaoning Province, People's Republic of China*, continues at the museum until August 24, 1980. Museum, 6393 Northwest Marine Dr.

FINAL ORAL EXAMINATIONS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Listed below are scheduled final examinations for the degree of Doctor of Philosophy at the University. Unless otherwise noted, all examinations are held in the Faculty of Graduate Studies Examination Room, General Services Administration Building.

Friday, March 7, 2:30 p.m.: **ROY AKIRA MIKI**, English; **A Preface to William Carlos Williams: The Prepoetics of *Kora In Hell***. *Improvisations*.

10:00 a.m. **RELIGIOUS STUDIES SEMINAR.** Frank Moore Cross, Hancock Professor of Hebrew, Harvard University, on *Archeology and the History of Religions: The Example of Israel and the Ancient Near East*. Penthouse, Buchanan Building.

12:30 p.m. **ASIAN WEEK AT INTERNATIONAL HOUSE.** Dr. V. Setty Pendakur, Community and Regional Planning, UBC, on *South Asians in the Canadian Mosaic (Are We Still Square Pegs in a Round Hole?)*. Upper Lounge.

MUSIC LECTURE-RECITAL on *Introduction to the Harpsichord*. Doreen Oke, harpsichord, performs *Music of Bach and Boismortier*. Room 113, Music Building.

CLASSICS LECTURE. Prof. Thomas G. Rosenmeyer, Classics and Comparative Literature, University of California at Berkeley, on *The Nouvelle Critique and the Classicist*. Room 100, Buchanan Building.

WOMEN STUDENTS' Panel Discussion with Dr. Lynda Erickson, Women Students' Office, on *Women in Management — The MBA Program*. Room 223, Brock Hall. Free.

CANADA AT MIDLIFE CRISIS Lecture Series. Donald Smiley, York University, on *Federalism for the 1980s*. Room 104, Buchanan Building.

CECIL GREEN LECTURE. Prof. Hou Renzhi, head, Geography, Peking University, People's Republic of China, on *The City of Beijing (Peking): A Historical Perspective*. Room 100, Geography Building.

LAW STUDENTS' ASSOCIATION Film Committee presents *Rites of Spring*, a new Greenpeace film about the harp seal slaughter. Rooms 101/102, Law Building.

PHARMACEUTICAL SCIENCES SEMINAR. Dr. Donald W. DuCharme, The Upjohn Co., Kalamazoo, Mich., on *The Pharmacology of Minoxidil*. Lecture Hall 3, Woodward Instructional Resources Centre.

ORGANIZATIONAL BEHAVIOR WORKSHOP. Prof. William McKelvey, UCLA, on *Toward a Synthesis of Models of Organizational Variation: Managerial Purposefulness Vs. Environmental Determinism*. Room 319, Angus Building.

INTERNATIONAL RELATIONS LECTURE. Michael Jarvis, head, International Energy Group, Department of Energy, Mines and Resources, Ottawa, on *Canada and International Energy Problems*. Room 102, Buchanan Building.

SLAVONIC STUDIES LECTURE. Prof. Gerald Smith, research fellow, University of Liverpool, on *Modern Russia's Poet-Singers (illustrated by unique tape recordings)*. Penthouse, Buchanan Building.

1:00 p.m. **FACULTY ASSOCIATION GENERAL MEETING.** Room 100, Mathematics Building.

2:30 p.m. **PHYSICS CONDENSED-MATTER SEMINAR.** C.F. Schwerdtfeger, UBC, on *ESR of TCNQ Salts*. Room 318, Hennings Building.

4:00 p.m. **HISTORY COLLOQUIUM.** Prof. Roderick Barman, History, UBC, on *Planters and Politics in Imperial Brazil*. Penthouse, Buchanan Building.

PHYSICS COLLOQUIUM. Walter Hardy, UBC, on *Atomic Hydrogen at Temperatures of 1°K and Below*. Room 201, Hennings Building.

4:30 p.m. **BIOMEMBRANE SEMINAR.** Dr. Robert Hancock, Microbiology, UBC, on *Why Outer Membranes? Permeability and Polymyxin B Resistance of *Pseudomonas Aeruginosa**. Lecture Hall 3, IRC.

FRIDAY, MARCH 7

9:00 a.m. **PEDIATRICS SPECIAL LECTURE.** Dr. D.B. Jelliffe, School of Public Health, UCLA, on *Recent Advances in Breast Feeding*. Lecture Hall B, Heather Pavilion, VGH.

11:30 a.m. **DEVELOPMENTAL MEDICINE SEMINAR.** Dr. W.J. Tze, Pediatrics, Children's Hospital, on *Culture of Pancreatic Islets in Allotransplantation*. Room 15, Centre for Developmental Medicine, 811 W. 10th Ave.

12:30 p.m. **ASIAN WEEK AT INTERNATIONAL HOUSE.** Prof. Lawrence Lau, Asian Studies, UBC, on *The Relevance of Chuang-Tzu Thought in Modern-Day Canadian Living*. Upper Lounge, International House.

CECIL GREEN LECTURE. Prof. Hou Renzhi, head, Geography, University of Peking, People's Republic of China, on *The New City Plan of Beijing (Peking)*, including a film, *Beijing — An Ancient Capital*. Lecture Hall 2, Woodward Instructional Resources Centre.

CLASSICS SEMINAR. Prof. Thomas G. Rosenmeyer, Classics and Comparative Literature, University of California at Berkeley, on *Thoughts on Stoic Drama*. Room 160, Buchanan Building.

ORGANIZATIONAL BEHAVIOR WORKSHOP. Prof. William McKelvey, UCLA, on *Niches, Environments, and the Evolution of Organizational Form: The Ancient Mesopotamian Case*. Penthouse, Angus Building.

1:00 p.m. **ADULT EDUCATION SEMINAR** with in-class presentations by course participants. Adult Education Department, 5760 Toronto Rd.

MEDICAL GENETICS SEMINAR. Dr. M. Norman on *Newborn Screening*. Fourth floor conference room, Health Centre for Children, VGH.

3:30 p.m. **LINGUISTICS COLLOQUIUM.** Prof. Robert J. Gregg, Linguistics, UBC, on *The Gift of the Gab: Celtic Languages in the Time of King Arthur*. Room 2225, Buchanan Building.

EDUCATION RESEARCH COLLOQUIUM on *Teaching and Learning*. Dr. Janet G. Donald, McGill University, on *Structures of Knowledge and Implications for Teaching (in Higher Education)*. Room 207, Scarfe Building.

COMPUTER SCIENCE COLLOQUIUM. Dr. Calvin C. Elgot, IBM Research Division, Yorktown Heights, N.Y., on *An Equational Axiomatization of the Algebra of Reducible Flowchart Schemes*. Room 301, Computer Sciences Building.

CHEMICAL ENGINEERING SEMINAR. Lucia Cheung on *Chemical Engineering in Hong Kong Polytechnic*. Room 206, Chemical Engineering Building.

8:00 p.m. **SONGFEST '80**, presented by UBC fraternities and sororities at the Queen Elizabeth Theatre in support of the United Way Campaign. Tickets, \$3, available at Famous Artists' Ticket Office, fourth floor of the Bay; AMS Office in SUB, or from any UBC fraternity or sorority.

SATURDAY, MARCH 8

6:30 p.m. **FOOD FAIR AT INTERNATIONAL HOUSE** featuring Oriental cuisine. Tickets in advance only from International House office. \$3, members; \$3.50 non-members. Phone 228-5021 for details.

