

UBC REPORTS

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Undergraduate fees increase by 10 per cent

UBC's Board of Governors has approved recommendations that will see undergraduate tuition fees increase by an average of about 10 per cent in the fiscal year beginning April 1.

The per-unit fee of \$77 initiated last year will increase 10.39 per cent for most programs in the Faculty of Arts and for all programs in the Faculties of Commerce and Business Administration, Education and Science.

As a result, a student who paid \$1,155 for a normal, 15-unit program in 1984-85 will pay \$1,275 in 1985-86.

Fees for degree programs in agricultural sciences, landscape architecture, engineering, nursing, architecture, librarianship, music, social work, dentistry, dental hygiene, forestry, law, medicine and pharmacy will increase by 10 per cent.

UBC's highest fees in 1985-86 will be the \$2,000 paid by students in the medicine and dentistry undergraduate programs.

The Board also approved revisions in the tuition-fee structure for graduate students, based on the report of an ad hoc committee established in 1984.

In the case of graduate-student fees, the committee recommended a formula that would have provided for a first-year fee for master's and doctoral programs that was 1.5 times higher

than the comparable undergraduate program fee.

The committee also recommended that the fees for second-year master's and second- and third-year doctoral programs be .75 of the first-year fee.

A third recommendation of the committee was that the fees for any subsequent year of graduate programs

be between \$550 and \$600 per year.

The graduate studies fee structure approved by the Board on March 7 did not go as far as the ad hoc committee recommended and is \$100 or more less than would have been the case if the ad hoc committee's recommendations had been accepted.

First-year fees for master and

doctoral students increased by only 2.86 per cent from \$1,750 to \$1,800 per year.

Fees for second-year doctoral students declined from \$1,307 to \$1,300 but increased for second-year master's students from \$876 to \$1,300. A similar increase was approved for third-year doctoral students. Doctoral and master's students will pay \$500 a year for each subsequent registration.

The Board also approved a recommendation that will see international students (i.e. those enrolled on students visas) pay 2.5 times the corresponding fee for Canadian citizens and permanent residents.

The differential will not apply to international students registered in the Faculty of Graduate Studies and to undergraduates who were registered at UBC in 1983-84, who will not be subject to the differential until 1986-87.

Also approved were increases or new special fees in various faculties for courses in fine arts, forestry, agricultural sciences, education, science, medicine and applied science. The Faculty of Law and the School of Nursing have doubled from \$100 to \$200 the enrolment deposit required by students who have been informed that they have been admitted.

A new fee to be imposed for the first time next year will be a \$128 charge for participation in the Co-op Program.

Also approved by the Board:

- A \$32 Student Activity Fee (for details see story on Page 3), which provides for students taking less than 9 units to pay \$3.50 per unit; and

- A Graduate Student Society fee of \$12 per year to be assessed on all graduate students to retire the debt owing to the University by the Graduate Student Society and to provide for any extraordinary costs associated with building maintenance at the Graduate Student Centre.

UBC awaits further budget details

The following statement was issued by President pro tem Dr. Robert H.T. Smith in response to the announcement of the B.C. budget on Thursday, March 14.

The 1985-86 budget provides for first, 95% of the 1984-85 allocation to Universities, and second, a "university adjustment program" of \$14.9 million (approximately 5%). The terms of access to this fund are as yet unclear, and we anxiously await their clarification.

The importance placed on the clear articulation of academic priorities

evident in the Minister's January 17, 1985 letter to the Universities Council pervades the brief section on universities in the budget speech. We await with keen anticipation the details promised about phase out costs for "less essential low demand programs" and the "initiatives to strengthen priority programs." I am convinced, as is David McLean, Chairman of the Board of Governors, that the definition and implementation of these terms is the responsibility of the universities and that university autonomy will not be compromised.

Dean of Arts reappointed

UBC's President pro tem, Dr. Robert H.T. Smith, has announced that Dr. Robert M. Will has agreed to accept the appointment as dean of the Faculty of Arts for a six-year term beginning July 1, 1985.

Dean Will submitted his resignation as dean of the arts faculty in June, 1984 and a search committee chaired by Dr. Smith has met regularly since then.

In a letter to faculty members in arts, Dr. Smith said both he and former president K. George Pedersen had been approached personally by a number of colleagues who suggested that Dean Will be approached and asked to consider continuing as dean.

Following meetings with Dr. Pedersen, Dean Will agreed to an appointment for a six-year term.

Dr. Smith concluded his letter to arts faculty members: "I wish to record publicly my deep appreciation to Dean Will for his tireless efforts on behalf of the University, and for his willingness to continue to serve as dean in the present circumstances.

Dean Will, a UBC faculty member since 1957, has a 16-year association with the administration of the Faculty of Arts. Prior to becoming dean of the faculty in 1975, he was acting dean for a year and an assistant dean from July 1, 1969.



Letters, pottery, books and informal sketches such as the one pictured above are part of an exhibit of memorabilia of B.C. artist Emily Carr, which is on display in the UBC Library until the end of April (see story on Page 2).

UN representative on campus Friday

Canada's ambassador and permanent representative to the United Nations, Stephen Lewis, will be on campus Friday (March 22) for a free, 2:30 p.m. address in Room 104 of the Frederic Lasserre Building.

Mr. Lewis, who returned recently from a visit to drought-stricken areas of Africa, will speak on "Canada at the United Nations at its 40th Anniversary." His UBC visit is sponsored by UBC's Centre for Human Settlements and the Vancouver branch of the UN Association.

A former leader of the New Democratic Party in Ontario, Mr. Lewis was a broadcaster and labor arbitrator prior to his present appointment.

CAMPUS PEOPLE

Interest in British writer George Orwell, author of *1984* and *Animal Farm* as well as volumes of essays and comment, shows no sign of slackening.

Ian Slater, a lecturer in UBC's Arts One program, is the author of *Orwell: The Road to Airstrip One*, published in Canada this month by W.W. Norton and Co. Slater uses a biographical framework to trace the development of political and social thought in Orwell's works.

Slater, who is also the author of three novels, views Orwell's involvement with the Spanish Civil War as the crucial event in his life and the one which led to the grim totalitarian visions of his later novels.

Slater's book on Orwell was reviewed in the *Washington Post* early in February. The reviewer, in concluding his article, said "It is doubtful that any book provides a better foundation for a full understanding of Orwell's unique and troubled vision."

The American Library Association's magazine *Choice* has selected a book written and produced at UBC as one of the outstanding academic books of 1984. On the ALA list is *Green Gold: The Forest Industry in British Columbia*, by **Dr. Patricia Marchak** of the Department of Anthropology and Sociology, published in 1983 by the University of B.C. Press.

Dr. Marchak's book was the first of a series analysing resource industries in B.C. She is currently a member of a UBC research team that is analysing the B.C. fishing industry as part of the "Fish and Ships Project."

Another UBC Press book which has received attention recently is *The Mysteries of Montreal: Memoirs of a Midwife*, edited by **Dr. Peter Ward** of UBC's history department.

Originally written by Charlotte Fuhrer, a Montreal midwife from 1860 to 1907, the volume was privately published in 1881. A lengthy review by William French in the *Toronto Globe and Mail* says UBC has "performed a valuable service in resurrecting Fuhrer's dusty relic of the past," which he says provides "a vivid picture of the manners and morals of the High Victorian period in a cosmopolitan Canadian city."

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Prof. Margaret Prang, another member of the history department, was recently honored by the American Association for State and Local History, which has its headquarters in Nashville, Tennessee. She was the recipient of the association's Award of Merit for "advancing the study of the Province of British Columbia." The association works to "advance knowledge, understanding and appreciation of the local history of the United States and Canada."

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Professor emeritus of Education **Frank Hardwick** has been honored by the executive board of *The History and Social Science Teacher*. He was one of four winners of the journal's 1984 Award of Merit, designed to recognize service to and in the classroom at all levels of education. A second winner, Caroline Langford, was a sessional lecturer in Education in the past.

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Dr. Cyril Belshaw of the Department of Anthropology and Sociology steps down on March 31 after a decade as editor of the international journal *Current Anthropology*. The journal is

widely known for its pioneering peer-commentary system of discussing articles and its unique system of international communication. Dr. Belshaw will be succeeded as editor by Dr. Adam Kuper of the University of Leiden.

In February Dr. Belshaw was the keynote speaker at a conference in Dakar of francophone West African editors to discuss problems of third world editing and later this year he will conduct a workshop in Nairobi for East African anglophone social scientists on the topic of preparing papers for international publication, sponsored by the International Federation of Scientific Editors' Associations, of which he is vice-president.

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Prof. Daniel Overmyer of UBC's Department of Asian Studies has received a 1985-86 Wang Institute Fellowship in Chinese Studies for his research on "Taoist Backgrounds of Chinese Popular Religion". Dr. Overmyer was one of 11 recipients selected from 241 applicants from 12 countries.

Emily Carr display

An exhibit of watercolors, pottery, letters, sketches, books and memorabilia of celebrated B.C. artist Emily Carr is on display at the Special Collections Division of the UBC Library.

Some of the material on display was recently acquired by the UBC archives through a bequest from the estate of the late Ruth Humphrey, who was a faculty member in the Department of English from 1945 to 1964. Dr. Humphrey died last October.

"Dr. Humphrey was a long-standing friend of Emily Carr's," says University archivist Laurenda Daniells. "It's clear from the context of the letters that Dr. Humphrey was one of the first of Emily Carr's friends to discover the potential of her writing and who encouraged her career as a writer when ill health prevented her from going into the forest to sketch."

The material donated by Dr. Humphrey adds to the rich Emily Carr collection housed at UBC.

The display continues through April. The Special Collections Division is located on the fifth floor of the Main Library.

Japanese dancers perform at museum

A rare opportunity to view ceremonial dances of the Ainu people, the indigenous people of the northern Japanese islands, Sakhalin (USSR) and adjacent territories, takes place at the UBC Museum of Anthropology at 8 p.m. on Thursday, March 21.

Wearing decorated headbands and traditional, embroidered garments, the Ainu dancers will perform some of their most important ritual dances.

"Today most of the Ainu people have given up their unique lifestyle and live in urbanized areas of Japan," says Ruth Anderson of the Museum of Anthropology. "The Ainu dance group is composed of people dedicated to preserving the traditional Ainu customs."

The performance is free with museum admission.

Portrait of Inazo Nitobe chosen for Japanese yen

Many people were understandably puzzled last year when Japan's new currency appeared.

Gracing the 5,000-yen bank note (worth about \$20 Canadian) was a portrait of Dr. Inazo Nitobe, whose name is associated with UBC's tranquil and beautiful Japanese garden, which attracts thousands of visitors to the campus annually and serves as a quiet retreat for members of the University community.

One man who can understand why people were puzzled by the Japanese finance ministry's decision to use Dr. Nitobe's portrait on one of its three reissued paper bank notes was Dr. John Howes of UBC's Department of Asian Studies, who has been studying the life of the great Japanese internationalist for some 30 years.

"After all," he said recently in his office in UBC's Asian Centre, which is adjacent to the Nitobe Garden, "Nitobe has been dead for more than 50 years and during that period Japan underwent some traumatic experiences — militaristic government, the war in the Pacific, the impact of the first two atomic bombs and an almost miraculous economic recovery in the post-war period."

Dr. Howes adds that the decision to use Nitobe's portrait is symbolic of Japan's new sense that it is a fully accepted member of the post-war international community. "It's quite understandable in the light of the fact that when he died in Victoria, B.C. in 1933, Nitobe was unquestionably the best known Japanese outside his own country."

Born in 1862, Nitobe was a member of a samurai family that could trace its genealogy back to an eight-century emperor. He proved to be talented at foreign languages and one of his English compositions, composed at age 14, was sent for display at the 1876 Centenary Exposition in Philadelphia. He also became proficient in German, which he learned while doing graduate work abroad from 1887 to 1890.

In Sapporo, where he was educated as an agricultural economist at a new college, Nitobe came under the influence of American teachers and became a Christian. On graduation he told a professor that his ambition was to "become a bridge across the Pacific" linking Japan and the U.S.

It was in Geneva as a highly placed League of Nations official that Nitobe became acquainted with Norman MacKenzie, a young Canadian attached to the International Labour Organization and the future president (1944-1962) of the University of B.C.

In 1933 Nitobe led a delegation to an international meeting in Banff, Alberta, a meeting which Dr. Howes says was Japan's "last chance to convince the world that there was something rational about the Japanese invasion of China."

Asia Institute plans fundraising dinner

UBC's Institute of Asian Research is holding a fundraising dinner on Saturday, March 23 to help meet the publishing costs of its newsletter, the *Asia Pacific Report*. Tickets for the 12-course Chinese dinner are \$25.

The *Asia Pacific Report* is published five times a year and is a unique source of information on Asia Pacific activities both on and off the campus.

For details on the fundraising dinner, call 228-2746 or 681-1923.

His failure to dispel the prevailing suspicion of Japan left him a broken man, Prof. Howes said. He and his American-born wife, who was recovering from a heart attack, were staying at the Oak Bay Beach Hotel in Victoria following the Banff meeting when Nitobe himself fell ill. He died in hospital within a few weeks.

The garden, opened in 1960, is considered the finest example of its kind outside of Japan, Dr. Howes said. "I like to think of it as the North American bridge pier of his span across the Pacific."



Associate dean of the Faculty of Education, Dr. Douglas McKie, has been named acting dean of the faculty while Dean Daniel Birch is serving as acting vice-president academic in the President's Office.

Bamfield hosts symposium

An impressive array of world-class scientists will gather at the Bamfield Marine Station on Vancouver Island April 14 to 17 for a symposium on the evolutionary biology of primitive fishes.

The Bamfield station is operated jointly by B.C.'s three universities and the Universities of Calgary and Alberta.

A series of 30-minute papers will be presented at the three-day symposium, followed by discussion and question periods. The results will be published by Plenum Press.

Many of the scientists attending the Bamfield conference participated in a similar meeting 15 years ago in Oslo, Norway.

"Significant progress has been made in recent years in the study of primitive fishes," says Bamfield director Dr. Ronald Foreman. "But there is a need for researchers in a variety of complementary disciplines to meet together to share their findings and properly evaluate individual research. Our meeting will have a strong interdisciplinary focus."

The Bamfield symposium is being sponsored by the North Atlantic Treaty Organization (advanced research workshop funding), the Natural Sciences and Engineering Research Council of Canada and the Western Canadian Universities Marine Biological Society.

Students to vote on athletic fee proposal

Possibly the most crucial test ever faced by UBC's athletic community will take place next week at the ballot box and not on the playing field.

On March 27, 28 and 29, students will be asked to mark their ballots in a referendum which would have the effect of transferring the responsibility for setting student athletic fees to a proposed new athletic council, which will have 50 per cent student representation.

Approval of the referendum would mean the end of the era of athletic fee-setting by student referendum, a method which detractors of the existing system say has brought UBC athletics close to financial ruin and which has already resulted in the curtailment or elimination of some sports from intercollegiate and intramural competition.

Next week's referendum to transfer responsibility for setting athletic fees is the outcome of a proposal approved by UBC's Board of Governors at its meeting of March 7. At that meeting, the Board agreed to the introduction of a new Student Activity Fee of \$32 for full-time students taking 9 or more units, and \$3.50 per unit for those taking less than 9 units.

The fee was proposed in a report prepared by Dr. Neil Risebrough, UBC's associate vice-president, student services, a member of the President's Office staff and the man to whom the UBC athletic establishment reports.

Dr. Risebrough believes that if athletic fees stay at their present levels and continue to be subject to campus-wide student referendums, the inevitable result will be a further deterioration in

the scope and quality of the University's athletic program.

"At the moment," he said, "students pay annually a fee of \$4.50 to support the intramural program and a \$7 fee for support of the intercollegiate athletic program. Of that \$7 fee, \$4.20 goes to

men's athletics and \$2.80 to women's athletics.

"A few years ago it took the women a full year of hard campaigning to get their share of the fee increased and the men's fee hasn't changed in 35 years. If the fee had been related to inflation alone over the years, it would be in the neighborhood of \$40 today," he said.

All of which means that the proposed new athletic council will have up to \$43.50 per student to divide up next year (the new \$32 Student Activity Fee plus the existing athletic fees, which Dr. Risebrough says he can't touch since they were set as the result of student referendums). He also anticipates that UBC's Board of Governors will support the athletic program, as it has in the past.

The composition of the council, now being worked out by the administration in consultation with the A.M.S., will be representative of the whole University community, Dr. Risebrough says.

"Students will have one-half of the total number of voting seats on the council, which is only fair since they are the main contributors and users. Provision is also being made for representation on the council by faculty and staff and graduates of the University."

Asked about athletic-fee levels at other Canadian universities, Dr. Risebrough describes UBC's fee as being "on the low side of average." Most Canadian universities charge students an athletic fee in the \$40-\$60 range, he said.

Dr. Risebrough clearly sees the new setup revitalizing UBC athletics. "For the first time in years," he said, "the athletic establishment will be able to do some planning for the future instead of worrying every year if there is enough money to make ends meet."

And when Dr. Risebrough says planning, he includes in that new athletic facilities for the campus. "I don't expect that all our needs will be met from the athletic fee," he said, "but some as yet undetermined portion of it will go into a facilities development fund."

Previous studies have indicated the need for an indoor, all-weather field house that includes a running track, basketball and badminton courts as well as other facilities for a broadly based recreational and athletic program.

"The need for an artificial turf field for soccer, field hockey and the like has been proposed and some students have advocated an expansion of existing squash and racquetball facilities."

Advisor's night set for April 2

The Extra-Sessional Studies office is sponsoring an advisors' night on Tuesday, April 2 from 6 to 8 p.m. at International House to provide information for students interested in enrolling in the 1985 spring and summer sessions.

Advisors will be available to answer questions concerning career choices and counselling, awards and bursaries, campus orientation, available career aptitude tests, information for disabled students and details on specific programs.

Applications will be processed provided that students bring all relevant secondary and post-secondary transcripts, and students can also register for courses.

More information about advisors' night is available by calling 228-2657.

Menotti opera performed

Gian-Carlo Menotti's opera *The Saint of Bleecker Street* will have its Canadian premiere this month with four performances of the work at the University of British Columbia.

UBC's Opera Theatre, directed by Prof. French Tickner, will present the Menotti opera on March 26, 27, 29 and 30 in the Old Auditorium. Curtain time will be 8 p.m.

Set in New York in the 1950s, the story centres on Annina, a tortured, mystical young woman and her brother, Michele, who violently opposes the old-world values of the Italian immigrant community in which they live.

The opera won the New York Critic's Circle Award in 1954 and the Pulitzer Prize the following year. This year, Menotti won the prestigious Kennedy Centre Award for his contributions to music.

Tickets for the opera at \$9 (\$6 for seniors and students) are available from the Department of Music. Ticket reservations can be made by calling 228-3113.

UBC CALENDAR

Calendar Deadlines

For events in the weeks of April 7 and 14, material must be submitted not later than 4 p.m. on Thursday, March 28. Send notices to UBC Community Relations, 6328 Memorial Road (Old Administration Building). For further information, call 228-3131.

Items for inclusion in the Calendar listing of events must be submitted on proper Calendar forms. Forms are available at the Community Relations Office, Room 207 of the Old Administration Building, or by calling 228-3131.

The Vancouver Institute

Saturday, March 23

Roads to Civil War in England. Prof. Geoffrey Elton, Regius Professor of Modern History, Cambridge University.

Saturday, March 30

Elitism, Egalitarianism and Excellence. Michael McCrum, Master, Corpus Christi College, Cambridge University.

Lecture Hall 2, Woodward Instructional Resources Centre, 8:15 p.m. Free admission.

SUNDAY, MARCH 24 Student Recital.

Shirley Sawatzky, piano. In partial fulfillment of the requirements for the M.Mus. degree with a major in piano performance. Recital Hall, Music Building. 2:30 p.m.

Student Recital.

Patricia Coldren, organ. In partial fulfillment of the requirements for the B.Mus. degree with a major in organ performance. Recital Hall, Music Building. 8 p.m.

MONDAY, MARCH 25 Classics Illustrated Lecture.

Classical Iconography. Prof. Lily Kabil, University of Fribourg and editor of *Lexicon Iconographicum Mythologiae Classicae*. Room 102, Lasserre Building. 12:30 p.m.

Fine Arts Lecture.

Success and Meaning of the Gothic Revival Style in Notre-Dame (La Paroisse) Montreal. Prof. Alan Gowans, History in Art, University of Victoria. Room 104, Lasserre Building. 12:30 p.m.

Cecil H. and Ida Green Lecture.

Renaissance and Reformation in England: Conflict or Cooperation? Prof. Geoffrey Elton, Regius Professor of Modern History, Cambridge University. Room 106, Buchanan Building. 12:30 p.m.

Management Science Seminar.

Global Optimization. Prof. A.H.G. Rinnooy Kan, Erasmus University, Rotterdam, The Netherlands. Room 426, Angus Building. 3:30 p.m.

Mechanical Engineering Seminar.

Flame Speeds in S.I. Engines. J. Boisvert, Mechanical Engineering, UBC; and Turbulence Generation in Internal Combustion Engines, R. Kukula, Mechanical Engineering, UBC. Room 1202, Civil and Mechanical Engineering Building. 3:30 p.m.

Applied Mathematics Seminar.

Turbulent Mixing: A Lagrangian Approach. Dr. Andrew Bennett, Institute of Ocean Sciences, Sidney, B.C. Room 229, Mathematics Building. 3:45 p.m.

Preventive Medicine and Health Promotion Lecture.

Canadian Institute of Child Health: Potential for Cooperation in Promotion of Child Health. Shirley E. Post, M.H.A., executive director, Canadian Institute of Child Health, Ottawa. Room 253, Mather Building. 4 p.m.

Astronomy Seminar.

Stellar Dynamics within Galaxies: Old and New Integrals of Motion. Dr. Martin Schwarzschild, Princeton University. Room 260, Geophysics and Astronomy Building. 4 p.m.

Lipids and Lipoproteins Discussion Group Seminar.

Developmental and Hormonal Regulation of Apolipoprotein Genes. Dr. Roger Deeley, Queen's University. Lecture Hall 4, Woodward Instructional Resources Centre. 4 p.m.

Sigma Xi (The Scientific Research Society)

Behavioral Science in the Criminal Justice System: The Case of Lie Detection. Prof. William Iacono, Psychology. Room 2510, Douglas T. Kenny Building. 4:30 p.m.

Cinema 16.

Rules of the Game: SUB auditorium. 6:30 and 8:30 p.m.

TUESDAY, MARCH 26

Botany Seminar.

TBA. Fakhri Bazzaz, Harvard University. Room 3219, Biological Sciences Building. 12:30 p.m.

Women Students' Office Film.

Abortion — Stories from North and South. This one-hour film is a cross-cultural survey of the realities of abortion. It is a film about women's right to safe medical care. Filmed in Ireland, Japan, Thailand, Peru, Columbia and Canada. Room 106, Brock Hall. 12:30 p.m.

Cecil H. and Ida Green Lecture.

The English Reformation as a Conflict of Laws. Prof. Geoffrey Elton, Regius Professor of Modern History, Cambridge University. Rooms 101/102, Curtis Building. 12:30 p.m.

Chemistry Lecture.

Reactions of Metal Ions and Their Clusters in the Gas Phase by FTMS. Prof. Ben S. Freiser, Chemistry, Purdue University, West Lafayette, Ind. Room 250, Chemistry Building. 1 p.m.

Oceanography Seminar.

Palaeo geochemistry of Cenozoic Red Clays from the North Pacific. Prof. G. Ross Health, dean, Ocean and Fishery Sciences, University of Washington. Room 1465, Biological Sciences Building. 3:30 p.m.

Statistics Workshop.

Smoothing to Regression. Dr. Timo Teräsvirta, University of California, San Diego. Room 225, Mathematics Building. 3:30 p.m.

Walter S. Owen Annual Lecture in Law.

Judges and Judgments in Torts. Prof. R.F.V. Heuston, Walter S. Owen Visiting Professor, Faculty of Law. Rooms 101/102, Curtis Building. 5:30 p.m.

UBC Opera Theatre.

The Saint of Bleecker Street. French Tickner, director. Ticket information: 228-3113. Old Auditorium. 8 p.m.

WEDNESDAY, MARCH 27 Pacific Rim Trade Luncheon.

China's New Industrial Policy and Its Implication for Canadian Business. Prof. Samuel Ho, a noted expert on China's foreign trade policies. \$25 per

person. For reservations and further information, call AIESEC-UBC at 228-6256. Hotel Vancouver. 11:30 a.m.

Pharmacology and Therapeutics Seminar.

Biochemical Aspects of Experimental Diabetes Mellitus. S. Wohaib, Pharmacology and Therapeutics, UBC. Room 317, Block C, Medical Sciences Building. 12 noon.

Forestry Seminar.

The Distribution and Properties of Lignin in Wood. Dr. D. Goring, vice-president, Research, PAPRICAN. Room 166, MacMillan Building. 12:30 p.m.

Noon-Hour Concert.

Peter McCutcheon, guitar. Recital Hall, Music Building. 12:30 p.m.

Animal Resource Ecology Seminar.

Efficient Pollinators and the Evolution of Nectar Guides in Larkspurs. Dr. Nickolas M. Waser, Biology, University of California at Riverside. Rom 2449, Biological Sciences Building. 4:30 p.m.

Information Science Lecture.

Using a Computer Message System to Access Remote Databases. Neil Koorland, Computer Science, UBC. B.C. Research Council, 3650 Wesbrook Mall. 7:30 p.m.

Baha'i Studies Lecture.

Contemporary Religious Persecutions: The Case of the Baha'is in Iran. Dr. Naser Sabet, board of directors, Association for Baha'i Studies, UBC Chapter; and Reginald Newkirk, director, Western region, Canadian Human Rights Commission. SUB Auditorium. 7:30 p.m.

Science for Peace Meeting.

Peace Issues and the New Soviet Leadership. Dr. Paul Marantz, Political Science, UBC. Room 1465, Biological Sciences Building. 7:30 p.m.

UBC Opera Theatre.

The Saint of Bleecker Street. French Tickner, director. Ticket information: 228-3113. Old Auditorium. 8 p.m.

Spencer Memorial Lecture in Zoology.

Origin of Flight in Insects: An Exercise in Evolutionary Neuroethology. Prof. J.S. Edwards, Zoology, University of Washington. Room 2000, Biological Sciences Building. 8 p.m.

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THURSDAY, MARCH 28 Medical Grand Rounds.

An Unusual Case of Hepatocellular Carcinoma. Dr. Robert C. Savson, Medicine, Health Sciences Centre Hospital; Dr. Brian Chiu, Pathology, Health Sciences Centre Hospital; and Dr. Borys Flak, Radiology, Health Sciences Centre Hospital. Lecture Room G279, Acute Care Unit, Health Sciences Centre Hospital. 12 noon.

UBC Collegium Musicum.

Renaissance Instrumental and Vocal Music. John Chappell and John Sawyer, directors. Recital Hall, Music Building. 12:30 p.m.

Science, Technology, and Society Studies Meeting.

The Sacred Geometry of *Paradise Lost* and Pacioli's *Divina proportione*: A Study in the Historical Relations of Science and Art. Prof. Lee Johnson, English, UBC. Room D121, Buchanan Building. 12:30 p.m.

Fine Arts Lecture.

The Prints and Large Scale Drawings of Gwen Curry (Slide Lecture). Prof. Gwen Curry, Fine Arts, University of Victoria. Room 105, Lasserre Building. 12:30 p.m.

Botany Seminar.

Polyacetylenes from *Bidens*. Yoke Marchant, Botany, UBC. Room 3219, Biological Sciences Building. 12:30 p.m.

Anthropology/Archaeology Lecture.

Kou-mang and the Gods of Longevity in Ancient China: Archaeological and Literary Sources. Prof. Jeffrey K. Riegel, Oriental Languages, University of California, Berkeley. Room 604, Asian Centre. 1:30 p.m.

The Cy and Emerald Keyes Memorial Lecture in Mineral Processing.

Crisis in Communion. Dr. Thomas P. Meloy, Particle Analysis Center, West Virginia University. Room 317, Frank Forward Building. 1:30 p.m.

Obstetrics and Gynecology Lecture.

The Role of Ultrasound in the Evaluation and Management of Female Infertility, Including IVF. Prof. Bernard Joachim Hackeloe, Obstetrics and Gynecology, University of Marburg, West Germany. Room 2N35, Grace Hospital. 1:30 p.m.

Environmetrics Seminar.

Sensitivity of B.C. Lakes to Acidic Inputs and Potential Effects on Aquatic Plants. L.G. Swain and Dr. P.D. Warrington, Water Management Branch, Ministry of Environment, Victoria. Room 225, Mathematics Building. 3:30 p.m.

Institute of Asian Research Lecture.

Managing Foreign Trade in China. Marwyn Samuels, Geography, UBC, and consultant to the Jiangsu Provincial Government, China. Music Studio 105, Asian Centre. 3:30 p.m.

Physics Colloquium.

An Automated Search for Supernovae and the Hypothesized Companion Star Nemesis. Carl Pennypacker, Lawrence Berkeley Laboratory, Berkeley, CA. Room 201, Hennings Building. 4 p.m.

Research Colloquium.

How Families Reorganize their Daily Routines and Activities After the Diagnosis of Cancer. Prof. Clarissa Green, Nursing, UBC. Room T180, Acute Care Unit, Health Sciences Centre Hospital. 4 p.m.

UBC Collegium Musicum.

Renaissance and Instrumental Vocal Music. John Chappell and John Sawyer, directors. Recital Hall, Music Building. 8 p.m.

FRIDAY, MARCH 29

Asian Studies Seminar.

A Fresh Look at the *Shih-ching* (Book of Songs). Prof. Jeffrey K. Riegel, Oriental Languages, University of California, Berkeley. Room 604, Asian Centre. 3:30 p.m.

Medical Genetics Seminar.

Interaction of Alcohol and other Teratogenic Agents in Induction of Cleft Palate. Dr. Mel Lee, Human Nutrition, UBC. Parentcraft Room, Grace Hospital. 1 p.m.

The Cy and Emerald Keyes Memorial Lecture in Mineral Processing.

Locked Particles. Dr. Thomas P. Meloy, Particle Analysis Center, West Virginia University. Room 317, Frank Forward Building. 1:30 p.m.

Applied Mathematics Seminar.

Collocation Methods for Stiff Systems. Dr. Jens Lorenz, Mathematics, University of Konstanz, West Germany, and Firestone Laboratory, Caltech. Room 104, Mathematics Building. 2:30 p.m.

Zoology "Physiology Group" Seminar.

Antidiuretic Hormones in Locusts. Dr. J. Proux, Neuroendocrinology Lab., University of Bordeaux. Room 5456, Biological Sciences Building. 2:30 p.m.

Linguistics Colloquium.

Raising Constructions and the Projection Principle. Diane Massam, MIT. Room D224, Buchanan Building. 3:30 p.m.

Music Colloquium.

Foreshadowing and Recall As Unifying Techniques in Mahler's Ninth Symphony. Dr. Harald Krebs, Music, UBC. Room 400B, Music Building. 3:30 p.m.

UBC Opera Theatre.

The Saint of Bleeker Street. French Tickner, director. Ticket information: 228-3113. Old Auditorium. 8 p.m.

SATURDAY, MARCH 30

UBC Opera Theatre.

The Saint of Bleeker Street. French Tickner, director. Ticket information: 228-3113. Old Auditorium. 8 p.m.

MONDAY, APRIL 1

UBC Percussion Ensemble.

John Rudolph, percussion. Recital Hall, Music Building. 12:30 p.m.

Chemical Engineering Seminar.

Computer Simulation of a Paper Machine. Takanori Miyashita, Chemical Engineering, UBC; and Current Alternatives to Chlorine for Disinfection of Wastewaters in Canada. Jelena Grabovac, Chemical Engineering, UBC. Room 206, Chemical Engineering Building. 1:30 p.m.

Applied Mathematics Seminar.

Linear Instability at the Interface Between Two Viscous Fluids. Dr. Alison Hooper, Mathematics, University of Melbourne. Room 229, Mathematics Building. 3:45 p.m.

Biochemical Discussion Group Seminar.

Role of GTP-Binding Proteins in Hormone Action. Dr. John Northup, Pharmacology, University of Calgary. Lecture Hall 4, Woodward Instructional Resources Centre. 4 p.m.

Zoology "Physiology Group" Seminar.

Neural and Hormonal Control of Water Regulatory Behavior. Dr. D.J. Prior, Physiology Group, University of Kentucky. Room 2449, Biological Sciences Building. 4:30 p.m.

Visual and Performing Arts in Education Quarterly Forum #19

The Computer in the Service of Art Education. Prof. Guy Hubbard, Indiana University. Limited registration. For information, call 228-4531. Graduate Student Centre. 8 p.m.

TUESDAY, APRIL 2

Chemistry Lecture.

Recent Developments in Plasma Source Analytical Spectroscopy. Prof. Michael Blados, Chemistry, UBC. Room 250, Chemistry Building. 1 p.m.

Faculty Women's Club.

General meeting and presentation of Carol Jackson's Color Me Beautiful. Cecil Green Park. 1 p.m.

Statistics Workshop.

Some New, User-Friendly Approaches to Path Analysis, Covariance-Structure Analysis, Correlational Testing, and the Preparation of Statistical Manuscripts. Dr. James H. Steiger, Psychology, UBC. Room 225, Mathematics Building. 3:30 p.m.

Oceanography Seminar.

A Numerical Model of Stratified Circulation in Indian Arm. Donald Dunbar, Oceanography, UBC. Room 1465, Biological Sciences Building. 3:30 p.m.

Neuroscience Discussion Group Seminar.

Synaptic Substrate for Rapid Learning Memory Systems. Dr. T. Brown, Neuroscience, City of Hope Research Institute, Duarte, CA. Lecture Hall 3, Woodward Instructional Resources Centre. 4:30 p.m.

Admissions and Advisors' Night.

Advisors will be available to answer student questions concerning career choices and counselling, available career aptitude tests, awards and bursaries, special help for disabled students, and general information concerning programs and campus orientation. Applications will be processed provided students bring in with them all relevant secondary and post-secondary transcripts. Registration in courses will also be possible. For more information, call 228-2657. Upper Lounge, International House. 6-8 p.m.

WEDNESDAY, APRIL 3

People and the Law Noon-Hour Series.

Wrongful Dismissal. Richard H. Hamilton, barrister and solicitor, Owen, Bird, Barristers and Solicitors. Free, no pre-registration required. Robson Square Media Centre, downtown Vancouver. 12 noon.

Pharmacology and Therapeutics Seminar.

Experimental Parkinson's Disease Using MPTP. Dr. F.L. Perry, Pharmacology and Therapeutics, UBC. Room 317, Block C, Medical Sciences Building. 12 noon.

Forestry Seminar.

Distorted Growth in Immature Forest Stands in Southwestern B.C. A Summary of Causes and Treatments. R.E. Carter, research associate, Forestry, UBC. Room 166, MacMillan Building. 12:30 p.m.

Noon-Hour Concert.

Complete Ballades, Scherzi and Impromptus of Chopin. Robert Silverman, piano. Recital Hall, Music Building. 12:30 p.m.

Botanical Gardens Lecture.

The Plant Crisis in the Tropics — Our Concern Too. Dr. Peter Raven, Missouri Botanical Garden, St. Louis. Tickets are \$5. For reservations, call 228-3928. A selection of tropical plants will be on display at the lecture. Faculty Club. 8 p.m.

THURSDAY, APRIL 4

Medical Grand Rounds.

Poisons of Current Neurological Interest. Dr. Donald Calne, Medicine, Health Sciences Centre Hospital. Lecture Theatre Room G279, Acute Care Unit, Health Sciences Centre Hospital. 12 noon.

Physics Colloquium.

The Hubble Space Telescope: Capabilities and Projects. Bruce Margon, Astronomy, University of Washington. Room 201, Hennings Building. 4 p.m.

FRIDAY, APRIL 5

Good Friday. University closed.

Notices . . .

Cecil H. and Ida Green Lecture

Nobel Laureate Dr. David Hubel speaks on Color Mechanisms in the Visual Cortex of Primates at 12:30 p.m. in Lecture Hall 6, of the Woodward Building today (March 20).

Nitobe Garden Hours

The Nitobe Japanese Garden will be open daily from 10 a.m. to 6 p.m. beginning April 5.

Renaissance Conference

The annual meeting of the Pacific Northwest Renaissance Conference takes place at UBC March 28 to 30. Speakers at the conference, which will have sessions on actors and acting as well as Renaissance music, history, poetry and drama, include Brian Vickers, who holds the chair of English Literature and is director of the Centre for Renaissance Studies at the University of Zurich, and Jerry Turner, artistic director of the Oregon Shakespeare Theatre in Ashland and director of the 1985 production of King Lear to be staged there this summer. Programs and additional information are available from Prof. J.A. Lavin, Department of English, 228-4085 or 228-5122.

UBC Bookstore Hours

The UBC Bookstore will be closed on April 1 and 2 for inventory purposes (last day for processing departmental requisitions is March 28) and from April 5 to 8 for the Easter break.

Food Service Hours

All food service units will be closed on Friday, April 5 and Monday, April 8. The Subway cafeteria will be open on April 6 from 10 a.m. to 5 p.m. and on April 7 from 11:30 a.m. to 6:30 p.m.

Award Deadline Changes

The Office of Awards and Financial Aid has initiated a number of changes in the application procedure for awards. For more information, please contact Byron Hender or Dan Worsley at 228-5111.

Volunteers Needed

Researchers in UBC's psychology department are looking for volunteers to take part in a study designed to treat one of the most common forms of headache, tension headaches. The purpose of the research is to develop a non-drug therapy for tension headache sufferers, using relaxation techniques. For more information, please contact Howard Steele at 228-6666 or leave a message with project director Dr. Peter Suedfeld at 228-5713.

Chinese Shaoshu Minzu

An exhibition of paintings of Chinese minorities by Wang Rongchan who studied at the Central Minorities Institute of China will be at the Asian Centre Auditorium until Friday, March 29. 9 a.m.-5 p.m. weekdays.

GRANT DEADLINES

Application Deadlines (April)

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

- Agriculture Canada (CPD)
 - New Crop Development Fund (1)
- Apple Canada Education Foundation
 - Microcomputer Research (15)
- Association of Commonwealth Universities
 - Administrative Travelling Fellowships (2)
- B.C. Cancer Foundation
 - Travel Grant for Post-doctoral fellows (15)
- B.C. Health Care Research Fdn.
 - Development & Training Fellowship (1)
 - Research (1)
 - Research Scholar Award (1)
- B.C. Lung Association
 - Research Projects (1)
- Canada Council: Writing/Public.
 - Translation Grant (15)
- Hannah Institute
 - Publications Assistance (1)
- Health & Welfare Canada: Welfare
 - National Welfare Grant (15)
 - National Welfare: Research Group Development (15)
 - National Welfare: Senior Research Fellowship (15)
- IMASCO-CDC Research Foundation
 - Research (1)
- MacMillan, H.R. Estate
 - Native People & Northern Canada Trust (1)
- March of Dimes Birth Defects Fdn. (U.S.)
 - Reproductive Hazards in the Workplace (1)
- MRC: Awards Program
 - MRC Fellowship (1)
- Muscular Dystrophy Assn. (U.S.)
 - Clinical Research Grant Program (1)
- National Institute on Mental Retardation
 - Research (30)
- National Research Council Canada
 - Precision Metrology Contracts
- North Atlantic Treaty Organization
 - Advanced Research Workshops Program (15)
 - Advanced Study Institutes (ASI) (15)
 - Senior Scientist Program (15)
- Rhodes University
 - Hugh Kelly Fellowship (15)
 - Hugh Le May Fellowship (15)
- Secretary of State: Canadian Studies
 - Canadian Studies: Learning Materials (1)
 - Canadian Studies: Materials Dissemination (1)
- Université du Québec
 - INRS Postdoctoral Fellowships (15)
- University of British Columbia
 - UBC-NSERC Equipment Grant (16)
 - UBC-SSHRC Travel Grant (10)

Faculty members wishing more information about the following research grants should consult the Research Services 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).

First Class Mail

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