

UBC Reports

Volume 33 Number 4, February 19, 1987

Students choose UBC

Eight of the 15 high school students who were winners of the new Premier's Excellence Award are currently enrolled in various departments at UBC. Established in June 1986 as part of the Funds for Excellence in Education Program, the \$5,000 scholarship is awarded to the best all-round high school student in each of the 15 college regions in the province. Winners must enroll in full-time studies at a B.C. university, college or institute to receive the scholarship. Premier Vander Zalm presented the Excellence Award medal and cheque to the students in a ceremony at the Hotel Vancouver last month.

Society awards grant

UBC was one of 16 universities that received a grant from the Cancer Research Society in December. In a ceremony held in Montreal, Governor-General Jeanne Sauve presented UBC representative Dr. Andrew Eisen with a cheque for \$62,500. A total of \$1 million was awarded in grants for cancer research to all universities. This is the first time the society has awarded funds to UBC. Dr. Eisen said the award is currently under adjudication by the Research Coordinating Committee in the UBC Faculty of Medicine to determine how it will be allocated.

Dept first in Canada

UBC's Department of Agricultural Economics ranks first in Canada and eleventh in North America for the quality of its research publications, according to a recent survey published in the American Journal of Agricultural Economics. The survey compared literature citations per faculty member for agricultural economics departments across North America. Departments were rated by citation rather than volume of literature to reflect the quality of the work.

Centre user-friendly

There is a new word processing centre on campus, providing services for everyone, including those with no word processing experience whatsoever.

Developed by the AMS, the centre uses user-friendly software and has knowledgeable consultants on duty to help.

This makes the Centre ideal for those who haven't the time to master the complexities of text processing on the big computer at UBC, and for students who want to hand in letter-perfect essays. "Graduate students will find it a great help, and the perfect copies of resumes and covering letters produced at the centre have already played a key role in successful job searches," says office services manager Terry Warman.

The Centre is located on the lower floor of the Student Union Building. Contact 228-5496 or 5640 for further information.

Tax advice offered

Some "very approachable" fourth year Commerce students will operate Personal Income Tax Information Sessions at UBC's Open House. The tax sessions will be held Saturday and Sunday, March 7 and 8 from 10:30 a.m. to 12:30 p.m. and from 2 to 4 p.m. in rooms 214 and 215 Angus Bldg.

"We are trying to promote what we are doing in commerce in the tax program," says student Diane Mah who with Heidi Cooper is organizing the sessions. "We will be very approachable and happy to have discussions with people on how to get the best advantage out of the tax laws. We expect to have 10 students per session available. They are fourth-year students about to graduate and go out into the business world and have taken senior level tax courses."

David Lam, lecturer in Commerce and Business Administration, will oversee the sessions which are sponsored by the UBC Accounting Club.

Editor list growing

The editor of UBC Reports would like to thank everyone who wrote or telephoned the Community Relations Office to add to our growing list of UBC faculty who edit journals. The response from deans, department heads and faculty members was overwhelming—the names of editors are still coming in. A future issue of UBC Reports will feature an update on 'Editors on campus'.

Letters please!

Letters are welcome and may be on any topic of interest to the university community. Please be brief, no more than 150 words, and send to The Editor, UBC Reports.

Final preparations underway for three days of open house events

It's only 15 days to Open House and we're ready -- ready to host our biggest and best Open House ever. The list of activities planned for the three day party continues to grow, with an amazing variety of serious, entertaining, educational and sporting events planned.

Look out for Open House posters and bus shelter advertisements in various locations around the city. These are the start of an intensive campaign to get the word out to the general public, assisted enormously by local media.

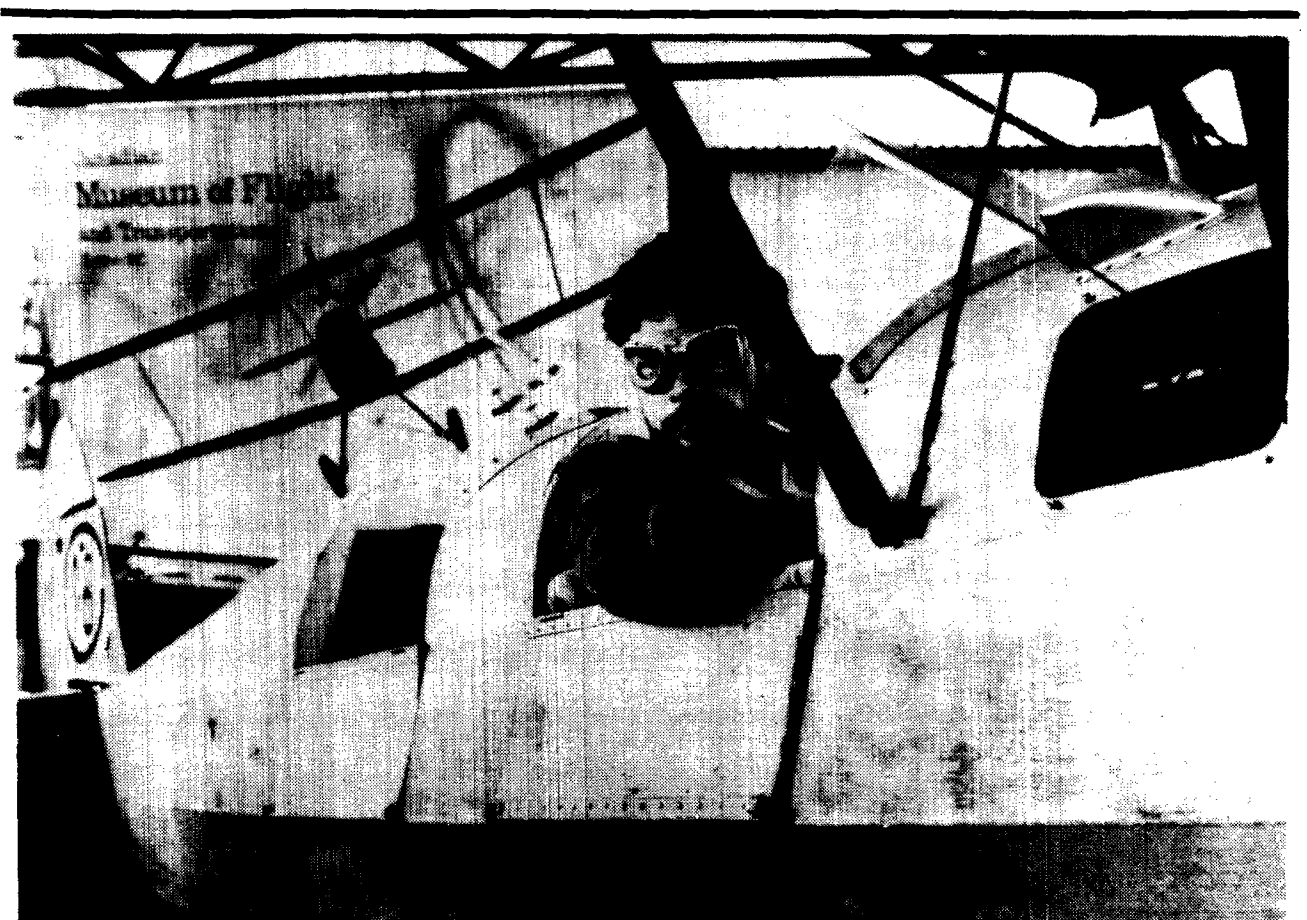
Five Vancouver personalities have also lent their support by recording radio and television spots for us. Watch for mayor Gordon Campbell, entertainer Ann Mortifee, broadcaster and UBC faculty member Dr. David Suzuki, B.C. Lions football player Kevin Konar, and UBC Botanical Gardens education coordinator David Tarrant on local TV and radio stations.

On Feb. 28, the Vancouver Sun will be carrying a special UBC Community Report. The report will also be distributed by the flyer force on March 2 to households in the Lower Mainland which don't get the Sun, reaching a total of 560,000 households

throughout B.C. This report will look at various aspects of UBC's teaching, research and community outreach facilities and programs, and is intended to become an annual publication. This time, the inside eight pages will be devoted exclusively to Open House, containing a detailed listing of planned activities and events, so mark the 6, 7 and 8 of March in your calendar, and become a visitor on your own campus!

There's still time to participate -- either through your faculty or department or, if you are a student, by acting as a volunteer guide. Guides are being organized by Margaret Copping, former AMS president, who can be reached through 228-3092.

Tickets are going fast for the Celebrity Alumni Concert and Auction for the evening of Thursday March 5. If you are interested in coming, contact Diana Korvin in the Alumni office at 3313. Remember that seats to the balcony are a great bargain -- regular \$10, students and seniors \$5 -- and allow you to watch all the fun and entertainment, and bid on auction items.



Anyone interested in going for a spin with composer and performer John Gray? No, he won't be taking you up in the air, but has offered to come to your home and perform for you and your guests one evening soon. John Gray is just one of the many illustrious UBC alumni who are coming back to campus for the evening of March 5 to take part in UBC's first ever Alumni Concert and Auction. The evening

promises to be great fun - alumni will perform and auction off special experiences and memorabilia, with a grand finale that will surprise everyone. Tickets are going fast, but there are still some \$50 tickets left if you hurry. Tickets for the balcony are a real bargain at \$10 each, \$5 for students and seniors, and you can still enjoy all the entertainment. For information contact Diana Korvin at 228-3131.

Committee to make first report on university sexual harassment policy

By the beginning of March, the UBC committee charged with formulating a University policy on sexual harassment hopes to make its first report. "Most other Canadian universities have determined a policy and procedures to handle complaints of sexual harassment," UBC President Dr. David Strangway said, "UBC has yet to establish either."

Appointed in June 1986, the committee members are: Dr. A.J. McClean, Associate Vice-president Academic; Dr. Jean Elder, history professor; Dr. Nadine Wilson, physiology professor; and Mrs. Lynn Smith, law professor. One of their first tasks was to contact various campus groups, including unions, professional and student organizations, to invite recommendations and determine areas of concern.

"The majority of them have sent a representative to talk to us or have made a written submission," Dr. McClean said. "We have, in addition, taken a close look at the sexual harassment

policies in place at other Canadian and American institutions."

"The whole situation is extremely complex," Dr. McClean added. "What we have in mind at present is establishing one, or preferably two, contact people to receive complaints. Sometimes the matter may be dealt with easily. The person making the complaint may want to get out of a work situation they are in, for example. If the matter needs to go beyond that, the next step might involve a mediator who could help the two parties solve the problem themselves. In the case of a serious complaint, we think there should be an investigation by a standing committee to determine if the matter is to go before a board. That board would be able to make recommendations for disciplinary action."

Anyone wishing to submit recommendations to the committee can contact Dr. McClean at 228-3968.

IF YOU ASK ME....

Engine of Recovery, another view



Prof. Paul Gilmore

Dr. Paul Gilmore, professor and former head of Computer Science, is manager of a research and development project in message handling systems from which has come the EAN software. Designed by colleague Gerald Neufeld and implemented under his supervision, EAN software has been supported by various grants of NSERC, the most recent being a University/Industry Cooperative Research Grant with Sydney Development, the company marketing the software for UBC throughout the world. The EAN software is used in CDNet, a Canada wide research network, and in similar networks in Europe and in South Korea.

At the Faculty Association meeting of November 13, 1986, a motion was passed that

expressed objections to the President's document 'Engine of Recovery'. These objections arose, according to the mover of the motion, from a perception of the University differing from that suggested by the document. My intent here is to explain how my perception of the University forced me to oppose the motion.

The University, as suggested by supporters of the motion, is a haven for members of an international community of scholars engaged in a common enterprise of research and critical inquiry, with benefits of this enterprise trickling down to students and the province. This view of the University is, I believe, historically unjustified, politically naive, and socially irresponsible.

The origins of UBC can be traced back through the universities of McGill, Cambridge and Oxford to the university of Paris of the thirteenth century. The origins of the faculty of arts of the university of Paris is cited in the article *Universities* of the Encyclopaedia Britannica 11th edition as an example of how "the early universities rose in response to new wants". The reforms of 1877 that encouraged the teaching of the natural sciences at Cambridge and Oxford were suggested by two government commissions. UBC's faculties of agriculture and forestry show how strongly it has also been influenced by the many universities of the United States which received land grants from Congress during the Civil War. "While all these schools were regarded as practical and technical at the first, most of them as they developed became liberal and scientific; and when Congress made later large appropriations for 'experiment stations' in the sciences relating to agriculture, an impulse of the most valuable character was given to many departments of scientific research" [op.cit.] The ties with industry illustrated in 'Engine of Recovery' are in a tradition of seven centuries

of universities responding to the needs of the societies that have supported them; the modern "experiment stations" that have resulted from the ties provide an impulse of the most valuable character to several departments at UBC.

UBC has passed through a period of severe financial constraints resulting largely from greatly diminished government income from the resource based industries of the province. One of the responses of the Faculty Association to these constraints was its joining of the Solidarity movement, one of the most politically damaging actions it could have taken. The response was a shameful indulgence in public self-pity which brought into question the objectivity of scholars who can equate actions of the provincial governments with the political repressions of Poland.

Now, with the province barely recovered from the recession and struggling to diversify its economy, those who supported the motion evidently believe that the administration's pride in UBC's past contributions to economic diversification, and its anticipation for more in the future, is an "equation of the goals of the University and the pursuit of critical inquiry with the goals of industry". In their zeal to support their position they have engaged in misleading partial quotation. More evidence of scholarly objectivity? It is hardly the way to encourage either public or private purses to open for UBC, something essential if the University is to continue as a centre of critical inquiry.

An ideal of our society is that any child of any family of any social or economic background has an opportunity to benefit from a motivated application of intelligence and energy. It is an enduring ideal that is never fully achieved, but nevertheless remains essential to a democratic society. The assistance universities give in achieving this ideal is, I believe, a major reason for their wide public

support. The financial and personal sacrifices being made by many of UBC's students are justified for them by a belief that a UBC degree can improve their economic and social lot, and they are encouraged by parents, faculty, and administrators with the same belief. Faculty must be sympathetic to the goals of these students while at the same time giving them an education that will serve as a foundation for a lifetime of learning.

That education cannot be provided by one department or one faculty, for the diversity of our society demands a diversity of graduates. It cannot be provided by a faculty out of touch with their colleagues throughout Canada and the world, and unaware of the latest research findings, nor can it be provided by a faculty out of touch with developments within the province and the country. The ties with industry described in 'Engine of Recovery' add an important dimension to a modern university education and provide opportunities for students that cannot be provided in any other way.

In a quote from 'Engine of Recovery' that supporters of the motion chose to ignore, President Strangway said it very well: "Our success is surely measured on what we have been able to do to create opportunities for youth, to foster preservation and study of our heritage and culture, and to engage in research and development for the province's long-term economic growth."

If You Ask Me features interviews with UBC faculty or staff on a controversial issue which relates to the university campus. Anyone interested in being interviewed, or who knows someone whose views would be of interest to the campus community, please contact The Editor, UBC Reports.



UBC President Dr. David Strangway was on hand to present scholarships and bursaries totalling \$100,000 at a reception sponsored by the Alumni Association in Cecil Green Park last month. Third year music student Mary Stein, from Calgary, was one of 100 guests of honour—UBC students who received an award from the Alumni Association run awards program. The reception provided an opportunity for the students to meet University deans and the President.

English a popular program

Add English-language instruction to the list of "growth industries" at the University of B.C.

Don Mosedale, who heads the English programs division of the Language Institute in the Centre for Continuing Education, says the quality and variety of UBC's English instruction programs draws hundreds of students from all over the world to the UBC campus annually.

Last year, more than 1,000 young people attended UBC from May to August for English instruction. Seven hundred of them were enrolled in 12 specially designed programs organized for university students from Japan, Indonesia, China and Quebec.

"Recently, we were asked to provide an advanced program for six top management executives from a major Japanese corporation," said Mosedale. "We chose two experienced instructors with a business background for that program. This summer we had a group of 30 Indonesian students with us

for instruction, prior to entering various Canadian universities. Their program was designed to give them the skills to function in a post-secondary education situation."

Mosedale believes another strength of the UBC program is its use of the "contact" approach to language instruction.

"This approach puts emphasis on a practical, conversational approach to learning English. It doesn't totally ignore book learning, but that aspect is secondary."

Students find themselves involved in role-playing situations in the classroom or carrying out an off-campus assignment at, say, Granville Island, where they're required to use their English to purchase specific items.

In addition, the visiting students are billeted in Canadian homes near the campus.

"Most of the students who come to us have had some English-language instruction in the schools of their own country," Mosedale says.



Nishga carver Norman Tait dances the Squirrel Dance on top of a 65 foot log in a "First Cut" Ceremony held recently at the Museum of Anthropology. Mr. Tait and a team of five carvers are embarking on a six month task of transforming the log into a massive canoe—the largest of its kind in more than a century. Scheduled for completion in August this year, the canoe will travel first to the Nass Valley, to Mr. Tait's home village for a naming ceremony. With a crew of 20 paddlers, Mr. Tait will then paddle down the west coast, following an ancient abalone trading route to California, in a voyage that is reminiscent of hundreds of years of Nishga history and tradition.

PEOPLE

Prof. honoured for promoting amateur sport

Professor Emeritus Robert Osborne, the first director of UBC's school of physical education and recreation, will receive an honorary doctor of laws degree June 5 from the University of Western Ontario.

Prof. Osborne is being honored by the London university for "significant contributions to the promotion of amateur sport in Canada" over a period of 50 years.

Among the organizations he has served are the Canadian Olympic Association, the Pan-American Sport Organization and the Commonwealth Games Association of Canada.

When he retired in 1978, after 33 years at

UBC, the physical education complex was officially named the Robert F. Osborne Centre.

Two students in UBC's Faculty of Forestry have been honored for outstanding papers in the area of forest entomology. Jon Sweeney won the President's Prize for the best student paper in the category of Ecology, Behavior and Bionomics at a recent meeting of the Entomological Society of America. Mr. Sweeney and Scott Salom were awarded first and second prizes respectively for papers submitted in a Ph.D. student competition

sponsored by the Entomological Society of British Columbia.

Ten graduate students in UBC's Faculty of Forestry recently received scholarships from the Canadian Forestry Service. Winners were: Grant Bracher, Beverly Jaffray, Donald McLennan, Johanne Morasse, George Nercessian, Donald Beckman, Robert Gadziola, Lynn Husted, Jeanette Leitch, and Margaret Penner.

Friends and colleagues of the late Dr. John S. Nadeau, former head of the Metals and Materials Engineering Department, plan to establish a scholarship or bursary in his memory. Contributions are tax deductible and may be directed to: John S. Nadeau Memorial Fund, c/o UBC Awards and Financial Aid Office.

UBC Calendar

THE VANCOUVER INSTITUTE



Saturday, Feb. 28
Information and Decisions in a Democracy. Mr. John P. Fisher, President and Chief Executive Officer, Southam Inc..

Saturday, March 7
The Mahler Phenomenon with musical illustrations. Prof. Donald Mitchell, Music Critic, London..

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

SUNDAY, FEB. 22
Thunderbird Swimming and Diving.
Final day of the Canada West Championships with both men's and women's teams in action. Aquatic Centre. All day.

Snake in the Grass Moving Theatre.

The Museum of Anthropology's resident theatre group presents more clowning and storytelling with Koko and Garbanzo. Performance free with museum admission. For further information call, 228-5087. Great Hall, Museum of Anthropology. 2:30 p.m.

Faculty Recital.

Robert Jordan, guitar. Free admission. Recital Hall, Music Building. 8 p.m.

MONDAY, FEB. 23

Science for Peace Lectures.

The Physics of Weapons -- II. Prof. Luis de Sobrino, Physics, UBC. Room A205, Buchanan Building. 12:30 p.m.

Chemistry Seminar.

Stereocontrolled Synthesis of Heterocyclic Natural Products via Vinylsilane-Terminated Cyclizations. Prof. Larry E. Overman, Chemistry, University of California at Irvine. Room 225, Chemistry Building. 2:30 p.m.

Mechanical Engineering Seminar.

Vibration Testing and Comparison with the Finite Element Method. David Glenwright, Graduate Student, Mechanical Engineering, UBC. Room 1215, Civil and Mechanical Engineering Building. 3:30 p.m.

Biochemistry Seminar.

Membrane Bioenergetic Systems of *E. coli*. Dr. P. D. Bragg, Biochemistry, UBC. IRC 4. 3:45 p.m.

Astronomy Seminar.

Search for Planets Beyond the Solar System. Dr. Gordon Walker, Geophysics and Astronomy, UBC. Room 280, Geophysics and Astronomy Building. 4 p.m.

Preventive Medicine and Health Promotion Lecture.

Health Promotion and the Bottom Line. Dr. Malcolm S. Weinstein, Senior Consultant, Wilson Banwell and Associates, Corporate Health and Development Services. For further information call, 228-2258. Room 253, James Mather Building, 5804 Fairview Crescent. 4 p.m.

International House Film Night.

Beyond The Walls. Israeli award winning film at the 1984 Venice Film Festival about the Arab-Israeli conflict. Everyone welcome free of charge. Gate 4, International House. 7:30 p.m.

TUESDAY, FEB. 24

Office For Women Students Lecture.

Grace Under Pressure - women in the film industry. Sandy Wilson, writer-director of "My American Cousin." For further information call, 228-2415. Room A102, Buchanan Building. 12:30 p.m.

Health Promotion and Systems Studies Seminar.

Social Factors in Survival for Breast Cancer: A Case Example of Collaboration Across Disciplines and Agencies. Dr. Nancy Waxler-Morrison, medical sociologist and Dr. Greg Hislop, epidemiologist with the B.C. Cancer Control Agency. For more information call, 228-2258. IRC 4th Floor Board Room. 12:30 p.m.

Botany Seminar.

Biogeography, Marine Fungi and Tropical Islands. Dr. Gilbert Hughes, Botany, UBC. Room 3219, Biological Sciences Building. 12:30 p.m.

Merck Frosst Lecture in Chemistry.

Synthesis Design Based on Stereoselective Rearrangements of Charged Intermediates. Prof. Larry E. Overman, Chemistry, University of California at Irvine. Room 250, Chemistry Building. 1 p.m.

Oceanography Seminar.

Fisheries Oceanography: A Case Study on Chum Salmon. D. D'Amours, Oceanography, UBC. For further information call, Dr. W. Hsieh, 228-2821. Room 1465, Biological Sciences Building. 3:30 p.m.

Metals and Materials Engineering Seminar.

Fractography. J. I. Dickson, Ecole Polytechnique. Room 317, Frank Forward Building. 3:30 p.m.

Botanical Garden Seminar.

Conifer Tissue Culture: Opportunities for Micropropagation and Plant Improvement. Dr. Iain E. P. Taylor, Botany, UBC. Room 1202, Civil and Mechanical Engineering Building. 3:30 p.m.

Statistics Workshop Seminar.

Non-Parametric Robust Regression and Autoregression. Ricardo Frayman, University of Buenos Aires. Room 102, Ponderosa Annex C. 3:30 p.m.

Research Centre Seminar.

Placental Drug Transfer and Fetal Drug Effects. Dr. Dan. W. Rurak, Obstetrics and Gynaecology, UBC. Room 202, The Research Centre, 950 W. 28th. Ave. 4 p.m.

Zoology Seminar.

Developmental Regulation of Heat Shock Protein Synthesis. Dr. Leon Browder, Biology, University of Calgary. Room 2000, Biological Sciences Building. 4:30 p.m.

WEDNESDAY, FEB. 25

Religious Studies Lecture.

New perspective on Zen Buddhism. Dr. Nalina Devdas, Religious Studies, Carleton University. Room D348, Buchanan Building. 10:30 a.m.

Pharmacology and Therapeutics Seminar.

Current Understanding of Nerve Growth Factor Receptor. Peter Miu. Room 317, Basic Medical Sciences Building, Block C. 12 noon.

Wednesday Noon-Hour Concert.

Gabriel Quartet with Victor Martens, violin. Donation requested. Recital Hall, Music Building. 12:30 p.m.

Animal Resource Ecology Seminar.

Resource Allocation and Mechanisms of Plant Competition. Dr. David Tilman, Ecology, University of Minnesota. Room 2449, Biological Sciences Building. 4:30 p.m.

Geography Colloquium.

The Scope and Scale of Homelessness in Canada. Arthur Fallick, Centre for Human Settlements, UBC. Room 201, Geography Building. 3:30 p.m.

Applied Mathematics Seminar.

Optimal Investment in the Protection, Maintenance and Conservation of Resources. Dr. Ronald H. Lamberson, Mathematics, Humboldt State University. Room 229, Mathematics Building. 3:45 p.m.

Cinema 16.

Entre Nous. SUB Auditorium. 7 p.m. and 9:30 p.m.

William S. Hoar Zoology Lecture.

Endocrine Tales from Fish Tails. Dr. Howard Bern, Zoology, University of California at Berkeley. Room 2000, Biological Sciences Building. 8 p.m.

THURSDAY, FEB. 26

Medical Grand Rounds.

Pleiotropic Effects of Tumor Necrosis Factor/Cachectin: Its Role in Health and Disease. Dr. N. Reiner, Infectious Diseases, VGH. Room G-279, Lecture Theatre, Acute Care Unit. 12 noon.

Asian Studies Colloquium.

Moral Leadership in Civil Society: Some Parallels Between the Confucian Chun-Tzu and the Tzadik in Judaism. Prof. Rene Goldman, Asian Studies, UBC. Room 604, Asian Centre. 12:30 p.m.

Harpsichord Concert.

An all Bach programme performed by harpsichord instructor Doreen Oke, students and guest artist Gary Dahl, baritone. Free admission. Recital Hall, Music Building. 12:30 p.m.

Geological Sciences Seminar.

Looking at Chert in Yugoslavia. Dr. W. R. Danner, UBC. Room 330A, Geological Sciences Building. 12:30 p.m.

Burgess-Lane Memorial Lecture.

Future Trends for the B.C. Forest Industry. Mr. W. Gerry Burch, Vice-President, Timberlands and Forestry, B.C. Forest Products Ltd. Room 166, MacMillan Building. 12:30 p.m.

Botany Seminar.

Experimental Studies of Plant Succession. Dr. David Tilman, Botany, University of Minnesota. Room 3219, Biological Sciences Building. 12:30 p.m.

Psychology Colloquium.

Effects of Music and Product Information in Commercials. Dr. G. Gorn, Commerce and Business Administration, UBC. Room 2510, Kenny Building. 4 p.m.

Asian Research Seminar.

On The Use and Misuse of the Peasantry: The Case of the Elusive Malay Peasant. Rodolphe De Koninck, Geography, Université de Laval. For further information call, 228-2746. Room 604, Asian Centre. 4:30 p.m.

Slide Presentation.

Around the World at Sonic Speed. Gordon Murphy, Engineering Student, UBC, narrates 90-minute slide show documentary of his sailing voyage around the world on a 35 foot yacht. Tickets: \$5 and \$2:50 for students. AMS Box Office. For further information call, 228-4453. IRC 2. 8 p.m.

FRIDAY, FEB. 27

Grand Rounds.

The End of the Respiratory Distress Syndrome by 1990. Dr. Donald E. Shapiro, Paediatrics and Director of Neonatology, University of Rochester, New York. Room D308, Shaughnessy Hospital. 9 a.m.

Animal Science Seminar.

Chromosome Set Manipulation in Salmon and Trout. Dr. Gary Thorgaard, Zoology, Washington State University. Room 160, MacMillan Building. 12 noon.

Botanical Garden Seminar.

Studies in the History of British Columbia's Flora and Vegetation. Dr. Richard Hebda, B.C. Provincial Museum, Victoria. Room 317, Frank Forward Building. 12:30 p.m.

Office For Women Students Workshop.

Women and Self-Confidence. Two session workshop. Also on March 6. For further information call, 228-2415. Room 106A, Brock Hall. 12:30 p.m.

Office for Women Students Workshop.

Assertiveness for Women - Basic and Social. Three session workshop. Also on March 6 and 13. For further information call, 228-2415. Buchanan Penthouse. 12:30 p.m.

Scandinavian Lecture

Securing a Future: Dilemmas and Strategies for a European Neutral. Prof. Bengt Sundelius, Stockholm University. Room B212, Buchanan Building. 12:30 p.m.

Medical Genetics Seminar.

Molecular Approaches to Study the Intra-Macrophage Parasite Leishmania. Anne Wallis and Tosca Ma, Medical Genetics, UBC. Parentcraft Room, Grace Hospital, 4490 Oak Street. 1 p.m.

Regional Mass Spectrometry Discussion Group.

Triumf Facility: General Overview; Injection and Vacuum Systems; On-Line Isotope Separation. For further information call, 228-3235. Triumf, 4004 Westbrook Mall. 2 p.m.

Graduate Colloquium.

The Northwest Coast as a Musical Area (with specific reference to Bella Bella musical style and ritual structure). Anton Kolstee. A forum to exchange opinions and share views on matters of musical interest. Room 400B, Music Building. 3:30 p.m.

Chemical Engineering Seminar.

Coherent Flows in Fibre Suspensions. Robert Soszynski, Graduate Student, Chemical Engineering, UBC. Room 206, Chemical Engineering Building. 3:30 p.m.

Continuing Education in Social Work Lecture.

The Living Economy, New Economics in the Making. Paul Ekins, Director of the Other Economic Summit (TOES), London. For more information call, 228-2576. Lecture Hall A, School of Social work. 7:30 p.m.

SUNDAY, MARCH 1

French Intensive Sunday.

All-day French conversational program. \$60 includes lunch and dinner. For further information call, Language Programs and Services, Centre for Continuing Education, 222-5227. Room D339, Buchanan Building. 10 a.m. - 10 p.m.

MONDAY, MARCH 2

Science for Peace Lecture.

The Physics of Weapons -- 111. Prof. Luis de Sobrino, Physics, UBC. Room A205, Buchanan Building. 12:30 p.m.

English Lecture.

From Coureurs des Bois to Voyageurs in 19th Century Canadian Literature. Prof. Konrad Gross, English, University of Kiel, West Germany. Room B314, Buchanan Building. 12:30 p.m.

Mechanical Engineering Seminar.

Hydrodynamic Coefficients of Compound Cylinders in Pitch Motion. Jon Mikkelsen, Graduate Student, Mechanical Engineering, UBC. Room 1215, Civil and Mechanical Engineering Building. 3:30 p.m.

Biochemical Discussion Group.

The Role of Three-Dimensional Structure in the Function of N-Linked Oligosaccharides. Dr. Jeremy Carver, Medical Genetics, University of Toronto. IRC 4. 3:45 p.m.

Applied Mathematics Seminar.

Numerical Modelling of the Northeast Pacific. Dr. William Hsieh, Oceanography, UBC. Room 229, Mathematics Building. 3:45 p.m.

Astronomy Seminar.

Structure of Star Clusters. Dr. Ivan King, Astronomy, University of California, Berkeley. Room 280, Geophysics and Astronomy Building. 4 p.m.

TUESDAY, MARCH 3

School of Library, Archival and Information Studies Colloquium

Automating Government Records. John MacDonald, Records Management Branch, Public Archives of Canada. Room 835, North Wing, Main Library. 11:30 a.m.

Botanical Garden Seminar.

Bio-Systematics of Weeds. Dr. John McNeill, Biology,

UBC Calendar

University of Ottawa. Room 214, MacLeod Building. 12:30 p.m.

Kasper Naegele Memorial Lecture.

The Centrality of the Classics in the Social Sciences. Dr. Jeffrey C. Alexander, Graduate Studies. Room A100, Buchanan Building. 12:30 p.m.

Leon and Thea Koerner Lecture.

Artifacts, Relics and Works of Art: Origins and Inter-Changes. Dr. David Lowenthal, Geography, University College, London. Theatre Gallery, Museum of Anthropology. 12:30 p.m.

Cecil H. and Ida Green Visiting Professor.

Oriental Influences on Britten's Compositional Technique. Prof. Donald Mitchell, Music, University of Sussex and Chairman, Faber Music, London. Room 113, Music Building. 12:30 p.m.

Chemistry Seminar.

Lipid Asymmetry and Cancer Chemotherapy: The Model Membrane Connection. Prof. Pieter R. Cullis, Biochemistry, UBC. Room 250, Chemistry Building. 1 p.m.

Metals and Materials Engineering Seminar.

Properties of Ultra Fine Grain B-CuAlNi Strain Memory Alloys. K. Mukunthan, Graduate Student, Metals and Materials Engineering, UBC. Room 317, Frank Forward Building. 3:30 p.m.

Statistics Workshop Seminar.

Experimental Designs for Estimating Transient Responses Through Environmental Disturbances. Carl Walters, Animal Resource Ecology, UBC. Room 102, Ponderosa Annex C. 3:30 p.m.

Oceanography Seminar.

Wind-Induced Circulation in the Southern Beaufort Sea. Dr. P. Budgell, Institute of Ocean Sciences. For further information call, Dr. William Hsieh 228-2821. Room 1465, Biological Sciences Building. 3:30 p.m.

School of Social Work Continuing Education Program and Centre for Continuing Education Lecture Series.

Our Social Trust - The Future of Canadian Social Programs. Fee: \$30, Students: \$15. For further information call, 222-5238. Lecture Hall A, School of Social Work. 7:30 p.m.

WEDNESDAY, MARCH 4 Pharmacology and Therapeutics Seminar.

Analgesic Efficacy of Bupivacaine in Knee Surgery. Sanika S. Chirwa. Room 317, Basic Medical Sciences Building, Block C. 12 noon.

Cecil H. and Ida Green Visiting Professor.

Britten and Auden in the Thirties: Music and Politics. Prof. Donald Mitchell, Music, University of Sussex and Chairman, Faber Music, London. Room A104, Buchanan Building. 12:30 p.m.

Wednesday Noon-Hour Concert.

Erik Ralske, french horn. In cooperation with CBC Radio. Donation requested. Recital Hall, Music Building. 12:30 p.m.

Office for Women Students Lecture.

A New Paradigm for the Nineties - Women in Tomorrow's World. Dr. Margaret Fulton, former president, Mount Saint Vincent University. For further information call, 228-2415. Buchanan Penthouse. 12:30 p.m.

Forestry Seminar.

Distribution of Water in Wood by Proton NMR. Dr. Alex MacKay, Physics, UBC. For further information call, 228-2507. Room 166, MacMillan Building. 12:30 p.m.

Leon and Thea Koerner Seminar.

Uses of the Past. Prof. David Lowenthal, Geography, University College, London. Room 201, Geography Building. 3:30 p.m.

Animal Resource Ecology Seminar.

Foraging by Expectation: The Exception or the Rule? Dr. Lee Gass, Zoology, UBC. Room 2449, Biological Sciences Building. 4:30 p.m.

Blomembranes Discussion Group.

Lipid Phase Structure and Membrane Function. Prof. Goran Lindblom, Physical Chemistry, University of Umea, Sweden. IRC 3. 4:30 p.m.

Cinema 16.

Ugetsu Monogatari. A Japanese classic. SUB Auditorium. 7 p.m. and 9:30 p.m.

Centre for Continuing Education Series.

Life After Death: The Approaches of Four Traditions. Four-part weekly series. Richard Menkis, Religious Studies, UBC speaking on Judaism. David Lochhead, Vancouver School of Theology, speaking on Christianity. Daniel Overmyer, Asian Studies, UBC speaking on Chinese Traditional Religions and Joseph I. Richardson, Religious Studies, UBC speaking on Hinduism. For registration information call, 222-5237. Cost of series, \$32. Room 102, Lasserre Building. 8 p.m.

THURSDAY, MARCH 5 Institute of International Relations Seminar.

The Crisis of Multilateralism: International Organizations Under Siege. Dr. John G. Ruggie, International Relations, Columbia University. Room A102, Buchanan Building. 12:30 p.m.

UBC Chamber Strings.

John Loban, director. Free admission. Recital Hall, Music Building. 12:30 p.m.

English Colloquium.

Compton MacKenzie: The Man Who Loved Islands and Wrote Whisky Galore. Dr. Ian Ross, English, UBC. Buchanan Penthouse. 3:30 p.m.

Cecil H. and Ida Green Visiting Professor.

Mahler: Landscape Into Music. Prof. Donald Mitchell, Music, University of Sussex and Chairman, Faber Music, London. Room 113, Music Building. 3:30 p.m.

Creative Writing Lecture.

Readings from Recent Work. Guy Vanderhaeghe, Author, Saskatoon. Sponsored by Committee on Lectures. Ballroom, Graduate Student Centre. 5 p.m.

School of Nursing - Marion Woodward Lecture.

Nursing Science and Nursing Practice: A Dialectical Relationship. Prof. Jeanne Quint Benoliel, Community Health Care Systems, University of Washington, Seattle. IRC 2. 8 p.m.

Faculty Concert Series.

Jane Coop, piano. In cooperation with CBC Radio. Tickets: Adults \$5. Seniors and students \$2. For further information call, 228-3113. Information lecture at 7:30 p.m. Recital Hall, Music Building. 8 p.m.

FRIDAY, MARCH 6 UBC Open House

UBC Chamber Singers.

Courtland Hultberg, director. Free admission. Recital Hall, Music Building. 12:30 p.m. and 8 p.m.

Asian Studies Colloquium.

Towards a Typology of the Hero in Modern Taiwanese Fiction. Rosemary Haddon, Graduate Student, Asian Studies. Room 804, Asian Centre. 12:45 p.m.

Cecil H. and Ida Green Visiting Professor.

Mahler: What We Can Learn from the Manuscript

Please note that calendar deadlines are firm. All notices and entries for upcoming issues of UBC Reports must arrive at the Community Relations Office no later than 4 p.m. on the Thursday preceding publication. Items arriving after this time will not be included.

Sources. Prof. Donald Mitchell, Music, University of Sussex and Chairman, Faber Music, London. Room 400 B, Music Building. 3:30 p.m.

SATURDAY, MARCH 7 UBC Open House.

Peking Opera. Co-sponsored by the Department of Asian Studies. Free admission. Recital Hall, Music Building. 2 p.m.

International House Fair.

Dine on international cuisine, enjoy the International House Players performing and dance to a wide variety of music. Advance tickets must be purchased before Feb. 27. Tickets limited. \$4 for International House members and \$8 for non-members. For further information call, 228-5021. International House. 5:30 p.m.

NOTICES

Nitobe Memorial Garden.

The Nitobe Memorial Garden will be closed weekends. Hours will be Monday to Friday, 10 a.m. to 3 p.m. Free admission during winter hours.

Botanical Garden.

The Main Botanical Garden on Stadium Road will be open daily (including weekends) from 10 a.m. to 3 p.m.

Fitness Appraisal.

The School of Physical Education and Recreation, through the new John M. Buchanan Fitness and Research Centre, is administering a comprehensive physical fitness assessment program available to students, faculty, staff and the general public. A complete assessment takes approximately one hour and encompasses the various fitness tests, an interpretation of the results, detailed counselling and an exercise prescription. A fee of \$20 for students and \$25 for all others is charged. For additional information, please call 228-3998, or inquire at Recreation UBC, War Memorial Gym, Room 203.

Computing Centre Non-credit Courses.

The Computing Centre is offering a series of free non-credit courses during March. These courses are intended primarily for members of the university community who plan to use the facilities of the Computing Centre. A complete list of courses is available by calling 228-8811, or you can pick up a schedule from the Computing Centre general office (CSCI 420).

Faculty and Staff Exercise Class.

Mondays, Tuesdays and Thursdays. Instructor: S. R. Brown. For further information call, 228-3998. Gymnasium B East, R. Osborne Building. 12:30 - 1:05 p.m.

Fine Arts Gallery.

Aspects of Contemporary Canadian Art. From the Collections of the University of Calgary at the Nickle Arts Museum. Fine Arts Gallery, Basement, Main Library Building. Tuesday to Friday, 10 a.m. - 5 p.m. Saturday, noon - 5 p.m. until March 8.

UBC Tennis Lessons.

The Tennis Centre is offering lessons in the tennis bubble, every Wednesday and Friday, or Tuesday and Thursday. The lessons are one hour twice a week for two weeks - novice, intermediate or advanced players. A complete list of courses is available by calling 228-2505, or you can pick up a brochure from the Tennis Centre Office, Osborne Unit 11.

Frederic Wood Theatre.

The Frederic Wood Theatre presents The Winter's Tale by William Shakespeare under the direction of Ray Michal. March 4 through to March 14. Tickets available for two preview performances March 4 and 5. For information and reservations call, 228-2878. Frederic Wood Theatre. 8 p.m.

Language Programs.

Non-credit conversational programs in French begin the week of March 2. A Saturday morning class in Language Teaching Techniques is also available. For further information call, Language Programs and Services, Centre for Continuing Education, 222-5227.

Badminton Club.

Faculty and Staff Badminton Club meets Tuesday 8:30 - 10:30 p.m. and Fridays 7:30 - 9:30 p.m. (except Feb. 27) in Gym A of the Robert Osborne Sports Centre. Fees \$10 until April. New members welcome. For more information call, Bernie 228-4025.

Botanical Art Competition.

The Botany Department is organizing a botanical art competition as part of its Open House activities. Submissions are invited in three categories; drawing, painting and photography. There will be a \$50 prize for the winner and books for second and third. Bring submissions to Tony Griffiths, Room 2508, Biological Sciences Building. For further information call, 228-5829. Deadline for submissions 8 p.m. March 4.

Statistical Consulting and Research Laboratory.

The Statistical Consulting and Research Laboratory (SCARL) is operated by the Department of Statistics and is intended to provide statistical advice to faculty and graduate students working on research problems. The faculty and staff associated with SCARL will be pleased to help with the design and analysis of

experiments, surveys and other studies. You are encouraged to seek advice in the early stages of your research so that consultants may be helpful with the design. To arrange an appointment, fill out a client form, available from Room 210, Ponderosa Annex C. For further information call, 228-4037

GRANT DEADLINES

In the Feb. 5 issue of UBC Reports, the February grant deadlines ran in error under the March heading. Below are the correct March grant deadlines.

MARCH 1987

- * Alberta Heritage Fdn. for Medical Research -Medical Research Fellowships [1 March, 1 October]
- * Alberta Oil Sands Technology and Research Authority -Research Contract [1 March, 1 September]
- * American Council of Learned Societies -Intl. Travel Grants for Humanists [1 March, 1 July, 1 November]
- * Atlantic Salmon Federation -Bensinger-Liddell Salmon Fellowship [1 March]
- * -Olin Fellowships [15 March]
- * B.C. Health Care Research Foundation -Development and Training Fellowship [1 March, 1 September]
- * -Research [1 March, 1 September]
- * -Research Scholar Award [1 March, 1 September]
- * Banting Research Foundation -Research [1 March]
- * Bell, Max, Foundation -Research [1 March, 1 August]
- * C.I.L. Inc. -Distinguished Visiting Lectureship Program [31 March]
- * Canadian Foundation for Ileitis and Colitis -Research [1 March]
- * Canadian Heart Foundation -Symposia [1 March]
- * Damon Runyon-Walter Winchell Cancer Fund -Clinical Scientists Fellowship [15 March, 15 August, 15 December]
- * -Postdoctoral Fellowship Grant [15 March, 15 August, 15 December]
- * Donner Canadian Foundation -Programme and Research [1 December, 1 March, 1 August]
- * Dublin, Ireland, Dept. of Education -Fellowship in Science, Eng. and Architecture [31 March]
- * Epilepsy Foundation of America -Medical Student Fellowship [1 March]
- * -Vocational Rehabilitation/Social Sciences Fellowships [1 March]
- * Ford Foundation (US) -Soviet/East European/Intl.Security Fellowship [1 March]
- * Grant (William T.) Foundation -One-time Grants [1 March, 1 August, 1 December]
- * Heighway Fund (Florence and George) -Research [15 March]
- * Indian and Northern Affairs Canada -Annual Northern Science Award [31 March]
- * Juvenile Diabetes Fdn. (US) -Research [1 March]
- * Koerner, Leon and Thea, Foundation -Foundation Grants [15 March, 15 September]
- * National Inst. of Education (US) -NIE Research Grants [25 March, 8 October]
- * National Research Council (Intl.Relations) -France-Canada Exchange (Natural/Applied Sc.) [31 March, 30 November]
- * -France-Canada Exchange (Soc. Sc. and Human.) [31 March, 30 November]
- * North Atlantic Treaty Organization -International Collaborative Research [30 November, 31 March, 15 August]
- * NSERC: Intl. Relations Division -Exch: Braz., Czech, Jap, Bulg, UK, Suisse, Ger, Austria [15 October, 1 March]
- * -International Scientific Exchange Awards [15 October, 1 March]
- * Royal College of Physicians and Surgeons of Canada -Detweiler Clinical Traineeship [1 March, 1 October]
- * Science Council of B.C. -BC Science and Engineering Awards [31 March]
- * Scottish Rite Schizophrenia Prog. -Research Grant [1 January (Proposal letter); 1 March (Application)]
- * SSHRC: Research Commun. Div. -Aid to Occasional Conferences [30 June, 30 October, 30 March]
- * SSHRC: Secretariat Division -Library: Strengthening of Specialized Collections [31 March]
- * Texaco Canada Resources Ltd. -Research Grant [31 March]
- * University Consortium for Research on North America -Quebec Fellowship [15 March]
- * University of British Columbia -C.A. McDowell Award: Excellence in Research [18 March]
- * -UBC: Biely Faculty Research Prize [18 March]
- * -Alumni Prize for Research in the Humanities and the Social Sciences [18 March]
- * -Research Grants in the Humanities and Social Sciences [2 March]
- * University of Cambridge -Visiting Fellowship in Commonwealth Studies [23 March]
- * Von Humboldt Fdn. (W. Germany) -Research Fellowship [1 March, 1 July, 1 November]
- * Woodward's Foundation -Foundation Grants [1 March, 1 October]

FIRST CLASS MAIL

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Calendar Deadlines.

For events in the period March 8 to March 21, notices must be submitted on proper Calendar forms no later than 4 p.m. on Thursday, Feb. 26 to the Community Relations Office, 6328 Memorial Road, Room 207, Old Administration Building. For more information, call 228-3131.