UBC Archives Serial

UBC Reports

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Cancer research grant

Seven UBC scientists based at the B.C. Cancer Research Centre have just received a group grant of approximately $750,000 each year for five years from the National Cancer Institute of Canada. It is the third time NCI (Canada) has made an award to the haemotology/oncology program which incorporates several integrated research projects studying blood cells as they relate to certain cancers.

Group coordinator and medical genetics professor Dr. Connie Eaves says: "We want to make this area a strength of the university; we already have a well-established graduate training program and our location at the centre is very important in this regard as it allows us to be close to clinical applications in patient treatment and interact with other researchers."

The six other recipients who will share the grant are: Dr. Allen Eaves, Medicine and Pathology; Dr. Keith Humphries, Medicine; Dr. Dagmar Kalousek, Pathology; Dr. Gerald Krystal, Pathology; Dr. Peter Lansdorp, Medicine; and Dr. Dixie Mager, Medical Genetics.

Committees revised

The structure of research committees at the University is being revised to reflect recent changes in granting council policies and other changes in the pattern of research funding, according to Peter Larkin, Vice-President, Research.

The reorganization also takes into account the substantial increase in recent years in the amount and complexity of research funding at the university, which now stands at more than $60 million.

"In addition to restructuring committees, we are expanding the executive committee so that now it has representatives of all the faculties, with more than one representative for larger faculties," says Dr. Larkin. This committee will continue to provide advice on policy matters related to researh.

The UBC Humanities and Social Sciences Grants Committee, to be chaired by Ira Nadel, Professor, English Department, will take responsibility for the SSHRCC General Research Grant and, in addition to its role in adjudicating proposals, will sit in an advisory capacity to the Vice-President, Research.

Laser surgery first

In the next few weeks the first patient will undergo laser surgery treatment for atherosclerosis--hardening of the arteries--at the Health Sciences Centre Hospital. The new surgical procedure is the result of current research underway developing laser surgery to treat blood vessel disease. The hospital is the first in Canada, and the only one in B.C., to expand the field of laser surgery in this area.

At a special media presentation last Wednesday, vascular surgeon Dr. Lynn Doyle from UBC's Faculty of Medicine, demonstrated the surgical technique which will enlarge the arterial channels to allow a better blood flow. The advantages of this technique over traditional bypass surgery are that the patient receives only a local anaesthetic and is discharged the following day.

Senate changes rules

UBC's Senate has modified the procedures to recommend candidates for honorary degrees. The membership of the Tributes Committee, the group responsible for recommending a slate of candidates, will be increased by five members to a total of 17.

"The number was purely an arbitrary figure," said Tributes Committee chairman John Dennison. "The spirit of the increase is to have the committee represent a greater diversity of areas and backgrounds."

When senators are presented with a list of honorary degree candidates for approval, they will now also be provided with background on the proposed candidates and allowed time to review the material before voting to accept the slate of candidates.

"Senators had urged that they be properly prepared before voting on candidates," Dr. Dennison said.

The procedure changes take effect September I this year.

Killam prize deadline

The deadline for nominations by deans for the 1987 UBC Killam Research Prizes is April 17. Seventeen prizes, valued at $20,000 each, will be awarded to full-time faculty members for use either for research or personal purposes. Awards will be made in recognition of research and scholarly contributions. Each award will be for $10,000 in each of the two fiscal years 1987/88 and 1988/89.

Professor Walter Hardy and student Reinhold Krahn display their superconductor.

UBC Physics Department joins superconductor race

Superconductors. They could change your life, says UBC physicist Jess Brewer, who "can't help but marvel a little bit" at the latest phenomenon to cause high-energy excitement in the physics world. Superconductors transmit power without loss of energy. The trick is to make them at a reasonable cost.

"The world will never be the same," says Brewer. "Superconductors will allow us to develop hydro-electric resources in the country and move power down to the cities with virtually zero loss of energy. This is going to have important industrial impacts." And superconductors will impact on many other areas such as transportation, where magnetic trains might be feasible; in medical diagnosis, in the field of nuclear magnetic resonance body-imaging, and in super computers.

Although superconductors were first discovered back in 19ll, Brewer says "there has been more progress in the last six months than in the last 50 years. Everybody wants to know more."

To date the problem has been that known superconducting compounds have had to be cooled with costly helium. So the search over the past 75 years has been to find compounds that would become superconductors at less extreme temperatures, particularly above 77 Kelvin, -196 Celsius, the point at which nitrogen gas, a common and less expensive gas, liquifies.

Now, suddenly, things have started to come together. Last year, IBM in Zurich produced super-conducting compounds at 35 Kelvin. In recent experiments, U.S. physicists reported producing a superconductor at 93 Kelvin (-180 Celsius).

As scientists around the globe race to produce superconductors and a congregation of 1,000 physicists met in New York to compare notes, physicist Walter Hardy and undergraduate student Reinhold Krahn produced a superconductor at UBC.

Brewer reports that someone casually remarked "wouldn't it be nice to have some of this material at Open House. One thinks of these things as highly sophisticated and very expensive, but Walter simply looked at it and said, 'it doesn't sound too hard to me'."

UBC's first superconductor was made at 35 Kelvin at Open House, March 6, 7 and 8. Experiments have continued, and on March 16 the physics department made a superconductor at 92 Kelvin.

It's been a co-operative effort. Since it is resistance that converts electric energy into heat, it is important to measure electrical resistance, a job tackled by physicist Jim Carolan and students Pinder Dosanjh and Rob Low. Fortunately, UBC has a ceramics expert in Asoke Chaklader, a professor of metallurgical engineering who with assistant Glenn Roemer are now producing the material in collaboration with the physicists who are able to characterize the samples. It is hoped to develop improved materials with appropriate metallurgical properties for practical application.

"We are riding on what other researchers have done," says Hardy, "At first we were working on rumours, then on an actual recipe."

At TRIUMF, one of the few facilities in the world where equipment exists to probe inside these materials, Jess Brewer and other researchers tested the UBC superconductor and one from Bell Laboratories in New Jersey.

Walter Hardy who seems calm about the superconductor activity admits that it is an important event in the physics world.

"It's something the whole world can't ignore. It is like the invention of the transistor. It is very hard to guess at the monumental effect it will have."

see photo Page Two

Equality task force

At the request of President Strangway, a task force will be looking at equal employment opportunity at UBC.

"We are currently considering recommendations to the president on terms of reference and are structuring a broad committee that represents the campus community," says Dr. A.J. McClean, Associate Vice-President, Academic, who heads up the task force.

The committee will focus on equality of employment opportunity for four different groups: women, visible minorities, native people and the handicapped. This focus comes from the recent federal government initiative which requires various institutions doing business with the government to provide equal employment opportunity for these four groups.

Tour to study elderly

A study tour in educational gerontology led by Dr. James E. Thornton will take place in Japan May 16 to May 30.

The tour, which costs $2,999 Canadian, is organized by UBC's Adult Education Program, Department of Administrative, Adult and Higher Education. Dr. Thornton is co-ordinator of the Committee on Gerontology and professor in the Adult Education Program.

The tour is intended for educators, community workers and researchers, as well as social welfare and health professionals interested in educational and cultural activities of the elderly.

Dr. James E. Thornton.

It will provide an opportunity to compare the activities of the elderly in Japan and North America.

Participants will meet educators, scientists and researchers in Tokyo, Mt. Haruna and Nikko, Kyoto and the Kobe/Osaka areas. Highlights include the Tokyo Metropolitan Institute of Gerontology, the Harunaso Shinseikai Community for the Elderly, the Kyoto City Central Social Welfare Center, the University for Elders in Kyoto, the University for the Elderly, Hyogo Prefecture and the Osaka Prefectural Gerontology Center.

North America is only now having to come to grips with the pressures of dealing with an older population in substantial numbers, says Dr. Thornton. Studying the Japanese situation can be useful, he says, because the older adult has always had a respected place in Japanese society. "We are having difficulties in our culture with the shift in emphasis from the younger to the older age group. (Japan offers) a reaffirmation of the meaning of old age."

Persons interested in participating in the study tour should contact John MacNeil at IPEC Travel Service, 682-1802, or Lynne Abbott in UBC's Distance Education Office, 228-2013.

Radio series a teaching tool

The second of two 13-part radio mini-documentary series highlighting leading-edge UBC research is being distributed to 256 radio stations across Canada.

The series, entitled UBC Perspectives, was produced by UBC's Community Relations Office and is being distributed by Broadcast News in Toronto.

The three-minute programs feature interviews with UBC faculty members with opening and closing narration by Dr. David Suzuki. Because the series is distributed across Canada, topics of national interest are highlighted.

Response to the first series sent out in January has been enthusiastic. Results of a province-wide survey showed almost 70 per cent of the radio stations that received UBC Perspectives were broadcasting the programs.

"The programs are relatively inexpensive to produce and are a very effective means of promoting UBC activities, particularly to regions outside the Lower Mainland," says Community Relations director Margaret Nevin.

Even school children are being introduced to the excitement of research discoveries by means of the documentaries. Mr. John Graham, a teacher at Herbert Spencer School in New Westminster who heard the programs on a local radio station, requested permission to use them as a teaching tool in his Grade 6 class.

The second UBC Perspectives series focuses on UBC research in the areas of computer applications in the forest industry, food preservation, civil rights for senior citizens, AIDS research, productivity centres for Canadian companies, eyewitness testimony, the Museum of Anthropology, dental implants, monitoring radio signals from space, the development of a new vaccine, caring for elderly parents, a computer system for coaches, and the REST program in psychology which helps smokers kick the habit.

Prof goes to UN as delegate

Dr. Peter Oberlander, director of UBC's centre for Human Settlements, will be a member of the Canadian delegation at the Tenth Anniversary Session of the United Nations Commission on Human Settlements to be held in Nairobi, Kenya from April 6 to 16.

The UBC centre was commissioned to prepare a background paper on "The Scope and Scale of Homelessness in Canada" for discussion in Nairobi.

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Prof. Douglas Shadbolt, head of UBC's School of Architecture, has received the Distinguished Professor Award for 1987 from the Association of Collegiate Schools of Architecture. Prof. Shadbolt received the award for his "positive, stimulating and nuturing influence on students and his contributions to the understanding and advancement of architecture". Prof. Shadbolt received the award at a ceremony held in Los Angeles last month.

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For the first time, the Batterymarch Fellowship in financial economics has been awarded outside the United States. **Dr. Espen Eckbo**, assistant professor in UBC's Faculty of Commerce and Business Administration, has received the U.S.$50,000 award in recognition of his research into corporate takeovers and mergers in Canada and the United States.

In his work, Dr. Eckbo has studied both anti-trust policy towards mergers and the anti-competition effects of the mergers. His study methods have been adopted by regulatory agencies such as the U.S. Justice Department and Canadian Consumer and Corporate Affairs.

Among his many research projects, Dr. Eckbo is currently examining the policy of the Foreign Investment Review Agency in order to determine whether FIRA has significantly affected the distribution of gains between buying and selling firms in takeovers by foreign firms.

* * *

Statistics professor **Dr. Mohan Delampady** has been named co-winner of the 1986 Leonard J. Savage Thesis Award. Established in honour of the late L.J. Savage for his profound contributions to the foundations of statistics and inductive logic, the international award is given annually for an outstanding doctoral dissertation in the Bayesian econometrics and statistics.

* * *

Dr. Evan A. Evans, professor, Department of Pathology, Faculty of Medicine recently received an Alexander von Humboldt Foundation Award.

Dr. Evans, whose work has been in the area of biological and model membranes, is doing extended research in Munich, Federal Republic of Germany. In his research, he is working to develop a fundamental understanding of the processes that control the formation of cell membranes.

Dr. Evans has developed mechanical methods to test current theories of membrane structure and function. Applications of this research work could lead to improved methods for drug encapsulation and delivery.

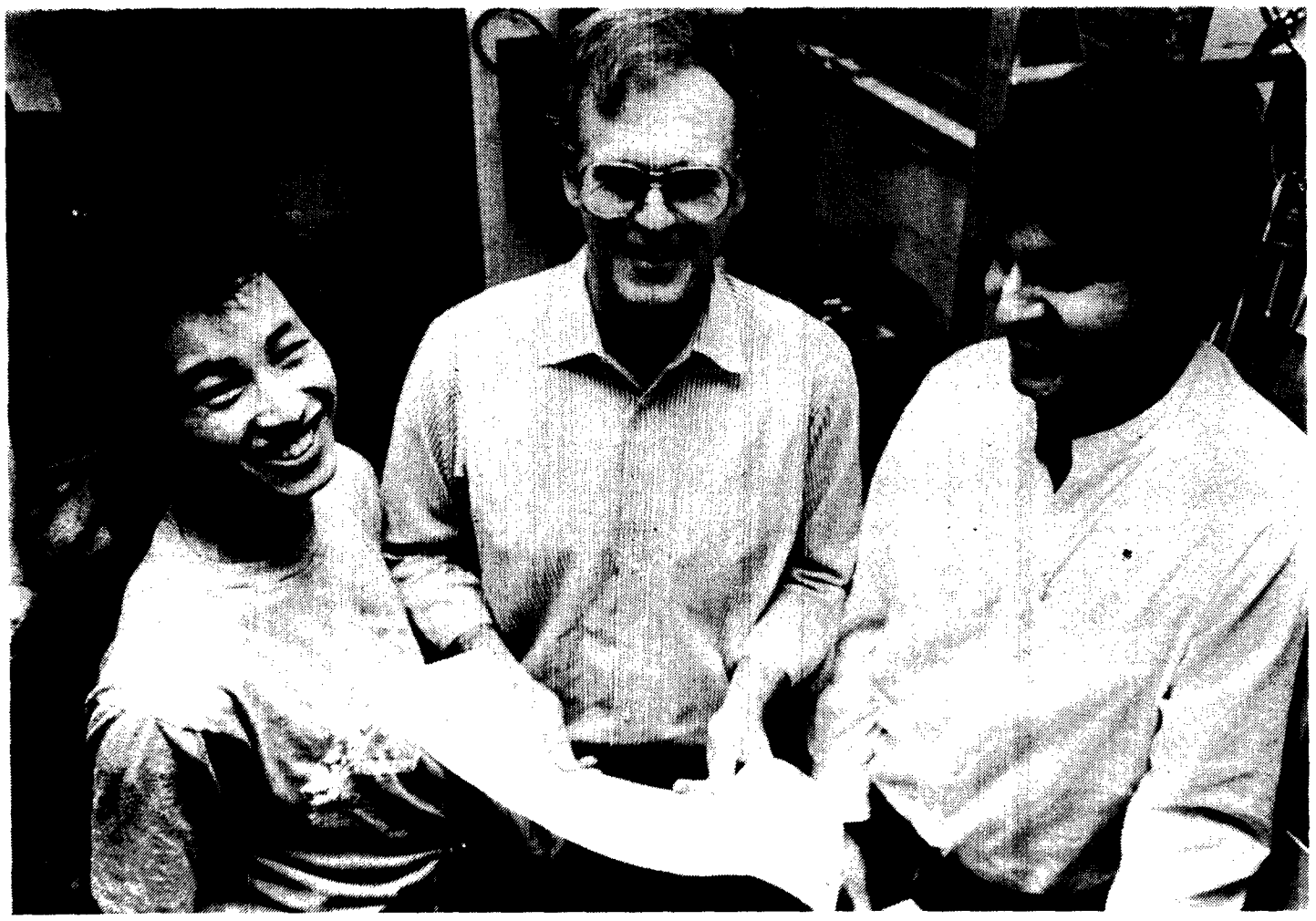
In Memorium

Former UBC English professor and promoter of the arts Geoffrey Andrew passed away last month at his Vancouver home. He was 80. During his career, Dr. Andrew was director of the United Way, president of the United Nations Association in Vancouver, director of the Canadian National Institute for the Blind (Western division), and chairman of the Canadian Institute of International Affairs. Dr. Andrew taught English at UBC for fifteen years and was one-time dean of the University. He also served as deputy to then-president Norman MacKenzie. In 1975 he became chairman of the board of governors for the Leon and Thea Koerner Foundation.

UBC's first astronomer Professor Emeritus Michael Ovenden died in his Vancouver home March 15. Dr. Ovenden was instrumental in establishing the Gordon Southam Observatory and heavily involved in many shows produced at the H.R. MacMillan Planetarium. He also had close associations with the Emily Carr College of Art and Design, the Knowledge Network, the Open Learning Institute, CBC, and in his later years, Brock House.

Dr. Ovenden already had a distinguished international reputation when he joined UBC in 1966 and was given the task of establishing a world-class astronomy program. He taught Arts One courses to first-year students for several years, and was responsible for many programs offered by the Centre for Continuing Education.

"Few individuals in UBC's history have shown such an inclination and gift for communicating modern ideas, and for representing the finest aspects of the university and scholarship to the general public," says David Vogt, Geophysics and Astronomy department curator.



Dr. Jim Carolan and students Rob Low (left) and Pinder Dosanjh are all smiles as the results of their test show that the Physics Department has made a superconductor.

LETTERS

I was one of the privileged public to take advantage of UBC's "Open House" last weekend. The Vancouver Sun had provided us with an excellent map with details and location of the various buildings on campus.

It was my first tour of the classrooms, labs, libraries, etc. despite the fact that I had visited the campus several times over the years.

I was so impressed by the students and faculty who welcomed us courteously and pleasantly as well as providing additional information about each building. We were even provided with a parking space by a young man who moved his vehicle from his spot to accommodate us. It pleased me to see the cleanliness, the good grooming, and neat attire of the student body.

My son is a Commerce graduate of the 1979-80 class and certainly this learning has provided him with a good living standard with the large reputable financial institutions in Vancouver.

I thank you for making this occasion available to the public. I would hope too that our provincial government would realize the importance of university education and be more intelligent with budget allowances than it has in recent years.

Marguerite E. Sirola

Michael Smith director of biotech lab

Biochemist Michael Smith has been named director of the new Biotechnology Laboratory at UBC. The provincial government will provide $5.4 million over three years under its Centres of Excellence program to fund the facility which will be located in existing buildings on campus.

"The idea of a biotechnology laboratory is to develop new understanding and applications of biology which could benefit the health of the human population as well as contribute to the economy through improvements in forestry and agriculture and by developing a pharmaceutical industry," said Dr. Smith, a world authority on molecular biology and molecular genetics who appears happy and relaxed in his busy new role.

The laboratory will provide the opportunity to develop further UBC's considerable expertise in animal and human biology, fermentation/process engineering and plant/forest biotechnology. The university has strong faculties in all areas where relevant work is likely to occur including science, applied science, forestry, agricultural sciences and medicine. A major responsibility of the laboratory will be to establish strong interactions with these faculties, Dr. Smith said.

UBC has for years been a leader in biotechnology research. The world's first synthesis of genes, for example, was started on campus. Dr. Smith said the university will build on its expertise.

"The mission of the lab will not only be to find things out but to train people. We need people well-trained in modern skills if economic ventures in biotechnology are to be successful. This provides the opportunity to hire first-class scientists who will interface with those experts already on staff," Dr. Smith said.

He said the new program could possibly produce new vaccines or develop varieties of plants that have resistance to salinity, infection, cold or drought.

"We could develop techniques for producing protein for pharmaceutical or veterinary use by growing plant or animal cells in mass culture."

The laboratory will train undergraduates as well as graduate students and post-doctoral fellows. Funding will provide for 10 new positions, significant equipment and money to renovate space in the Biological Sciences Building and the Wesbrook Building.

Dr. Smith has been on the faculty of the Department of Biochemistry since 1966. He is a fellow of the Royal Society of London and has an international reputation for his basic research in genetics.

Dr. Michael Smith eases into his new job in his old office in Medical Block A.

UBC psychiatrist chairs task force

The first of a series of national hearings into mental health issues affecting immigrants and refugees will be held in Vancouver on April 10 and 11 in the Holiday Inn on Broadway.

UBC psychiatrist Dr. Morton Beiser is chairing the federal task force which will also hold hearings in Montreal and Toronto. Recommendations from the findings may eventually affect federal policy in areas such as immigration and employment.

"Mental health care goes beyond the health care system. There are larger issues involved," Dr. Beiser says. "For example, the ability to use the host country language is a big factor in predicting if someone is going to have mental health problems. In South East Asian society the family structure is very important so that reuniting families may, in fact, promote mental health."

Dr. Beiser was principal investigator of the Refugee Resettlement Project, a recent four-year study which looked at ways in which South East Asian refugees to Canada used health services. As a collaborative effort involving the departments of Psychiatry, Social Work and Family and Nutritional Sciences, the study categorized how frequently refugees saw a doctor and what their complaints were.

The study found that refugees settled more comfortably into their ethnic community.

"Government policy, for the most part, hasn't taken this into account," Dr. Beiser says. "It's difficult to say what an appropriate size community is, probably at least a few hundred people. A family by itself, or even a few families are likely to have more mental health problems."

Dr. Beiser said that South East Asian people don't normally go to a doctor for help with emotional problems because mental illness is not accepted in their culture.

"People with emotional problems typically keep it within their family, go to a fortune teller, or see someone at a religious institution," he said, "But in Canada, South East Asian communities are small and the cultural institutions which deal with these problems are not available."

Dr. Beiser said a system of "cultural brokerage" could help bridge the gap between the new refugee or immigrant and the doctor or health professional. The "broker" would be knowledgable about the cultures involved and the expectations of each party.

"Their role would be more than that of a translator, providing interpretation of cultural differences as well as language, for both individuals," he said.

Pharmacists learn communication skills

"Last night was one of those times when it's good to be the dean," said Dr. John H. McNeill after he had attended a dinner meeting that brought to a close the Communication Adventure Program offered to his third year pharmacy students.

He was "very impressed" with the students' demonstrated ability to deliver both prepared and extemporaneous speeches, and with their increased confidence. "They've been trained to look you in the eye," he said.

The impact of the course, which is extra-curricular and non-credit, has been "very significant," says Dr. McNeill. It addresses the need for pharmacists to be able to communicate more effectively with other health professionals, and with patients, who are too often unaware of how much "free advice" is available to them through their pharmacists.

About 75 per cent of the third year class elects to take the course, said Pharmacy's Marguerite Yee, who with Lynn Trottier has co-ordinated the program for each of the three years it's been offered.

"We rely on the students who have done it to recommend it to those coming up," she says.

A group of eight people consisting of faculty and volunteers from an organization called International Training in Communications (formerly the International Toastmistress Club) act as instructors. The administrative costs of the program are covered by a $2,000 annual grant from Parke, Davis Canada Inc.

"We work on leadership skills, public speaking, conducting a meeting, platform presence and job interviews," says Ms. Yee.

Communication skills are necessary to enable the pharmacist to relate to other health professionals and to patients, she says.

"We want the pharmacist to be a higher profile person in the community," a resource person who is aware of a patient's prescription record and will "safeguard the public health," by checking, for example, to make sure there are no unwanted interactions of a prescription with foods or non-prescription drugs.

Pharmacists also have to be prepared, says Ms. Yee, to give presentations to fellow pharmacists, and to groups of doctors and/or nurses; and to speak to the public on topics such as how to poison-proof your home, and how the elderly should be managing their drugs.

High-tech, high-touch

The general public may be fascinated to read in their local newspapers about things at UBC that are high-tech and bio-tech, but when it comes to taking non-credit courses here they're as likely to study arts as science, and just as interested in looking inward as in learning facts.

"The continuing education clientele is very interested in humanistic and existentialist problems," says Paul Richter, who also teaches credit courses for the philosophy department. "They want to discuss human relationships; how to find meaning in life -- things everyone is involved with."

Dr. Richter presently teaches a continuing education course entitled "My Dinner With Andre: A Conversation for Our Time." It begins with a showing of the film, My Dinner With Andre, and continues as a series of discussions exploring what the calendar describes as the "cultural transformation" that has led to a questioning of the system of values and beliefs inherent in our society.

Dr. Richter's interest lies in "the application of philosophy to the everyday problems of life." He hopes to offer in the fall a course about love that will be similar to his My Dinner With Andre course.

It is easier for a couple of reasons to achieve this under the aegis of continuing education than in a credit course. Courses can be designed to fill personal rather than academic needs of students, and participants in continuing education tend to be older and "inclined to a holistic view of things," says Dr. Richter.

"There are a lot of intellectually hungry people" out there, he says, who don't often get to indulge in the kind of intelligent conversation they crave. "They want to address themselves to human issues, social and personal, and want a forum that isn't completely unstructured, but isn't a lecture, either."

He acts as a kind of group leader. "My role is to monitor what's going on; to pull things back into the arena of discussion, when necessary; occasionally to summarize, but not to force the discussion into any particular direction."

The course about romantic and sexual love would be "a series of evenings dealing with love relationships between men and women." He's considering starting off with a showing of the Canadian film called The Decline of the American Empire, a movie consisting entirely of conversations about sex and love. (It was nominated for an Academy Award in the Best Foreign Film category.)

"What interests me is how we negotiate between our real need and desire to feel a loving and sexual relationship with another person, and the need to keep ourselves separate," says Dr. Richter. "We have to be able to withstand distress and uncertainty; to make sense of our vulnerability to the loss of the relationship.

"There's no question about the importance to us of love. But how do we at the same time keep ourselves intact?"

UBC disabled

The President's Committee on Concerns of the Handicapped is currently being re-established. Originally set up in 1976, the committee has been inactive for the past four years.

"We will be revising terms of reference and committee membership in order to encourage everyone concerned to express their views," says Associate Vice-President Neil Risebrough. If anyone has inquiries or suggestions, please contact Dr. Risebrough at 228-5454.

UBC Calendar

SUNDAY, APRIL 5
Band Concert.
Sponsored by Centre for Continuing Education and School of Music. Conducted by Martin Berinbaum, UBC School of Music. Free. For further information, call 222-5254. Old Auditorium. 3:30 p.m.

Spring sunshine entices students and faculty outdoors.

MONDAY, APRIL 6
Biochemical Discussion Group.
Cloning, structure and expression of genes of the pyrimidine biosynthetic pathway of Salmonella typhimurium. Dr. Rod A. Kelln, Chemistry Dept., University of Regina. IRC 4. 3:45 p.m.

Germanic Studies Film.
Heimat, part 4. Goethe Institute, 944 West 8th. 5:30 p.m.

Guitar Lecture/Recital.
Guitar Music of Brazil. Michael Strutt, School of Music. $10. For further information, call 222-5254. Conference Room, Carr Hall, Centre for Continuing Education. 7:30 p.m.

Adult Education Seminar.
Kiwi Magic and Pierre Bourdieu: A Contribution to North-South Dialogue. Dr. Dick Harker, Senior Lecturer in Education, Massey University, New Zealand. Room 1, Adult Education Research Centre, 5760 Toronto Rd. (Bring your lunch). 12:30 p.m.

Neuroscience Discussion Group Seminar.
Experimental Manipulations for the Repair of Nervous System Injuries. Dr. Michael Politis, Anatomy, University of Saskatchewan. For further information, call Dr. Steven Vincent, 228-7038. IRC 3. 4:30 p.m.

TUESDAY, APRIL 7
Biological Research Seminar.
Island Biological Research: The Present and The Future. Prof. Fred R. Ganders, Botany. Room 3219, Biological Sciences Building. 12:30 p.m.

Research Centre Seminar.
Energy Metabolism and Brown Adipose Tissue Thermogenesis During Pregnancy and Lactation in Animals. Prof. P. Trayhurn, Nutrition and Metabolism Research Group, University of Alberta. Room 202, Research Centre, 950 W. 28th. Ave.. 3:00 p.m.

Metals and Materials Engineering Seminar.
Fatigue Damage Growth During Cycle Bending of Composites. M. Dorosh, Metals and Materials Engineering. Room 317, Frank Forward Building. 3:30 p.m.

Anatomy Seminar.
Functional Implications of Structural Studies in Skeletal Muscle. Dr. Judy Anderson, Anatomy. Room B37, Friedman Building. 4:00 p.m.

Germanic Studies Film.
Heimat, part 5. Goethe Institute, 944 West 8th Ave. 5:30 p.m.

Biochemical Discussion Group.
Sabtilisin by Design. Dr. Scott Towers, Genencor, San Francisco. IRC 1. 4:00 p.m.

WEDNESDAY, APRIL 8
Pharmacology and Therapeutics Seminar.
Induction of Hippocampal long-term potentiation in the absence of Ca2+ in the extracellular medium. Patrick B.Y. May. Room 317, Basic Medical Sciences Building, Block C. 12:00 noon.

Germanic Studies Film.
Heimat, part 6. Goethe Institute, 944 West 8th Ave. 5:30 p.m.

UBC Purchasing Dept/AMS Medical & Scientific Equipment Show.
For further information, call 228-3456. Ballroom and Partyroom, SUB. 10:00 - 4:00 p.m.

THURSDAY, APRIL 9
Distinguished Faculty Lecturer, Medicine.
The Treatment for Gallstones - Present and Future. A.J. Burhenne, Prof. & Head, Dept. of Radiology, Medicine, VGH. Lecture Hall B, Heather Pavilion, VGH. 9:00 a.m.

Germanic Studies Reading.
Poetry Reading (in English). Tomas Transtromer, Sweden's premier poet, winner of West German Petrarca Prize. Penthouse, Buchanan Building. 12:30 p.m.

Biochemical Discussion Group.
Activities of Recombinant Ligninase H8. Dr. Roberta Farrell, Associate Director of Research Repligen Corp., Boston. IRC 3. 4:00 p.m.

UBC Purchasing Dept./AMS Medical & Scientific Equipment Show.
For further information, call 228-3456. Ballroom and Partyroom, SUB. 10:00 a.m. - 4:00 p.m.

Medical Grand Rounds
Peptic Ulcer Disease: 1987. Dr. Richard Hunt, Head, Dept. of Gastroenterology, McMaster University. Room G-279, Lecture Theatre, Acute Care Unit HSCH. 12:00 noon.

University Science Policy Forum
Organized by UBC Sigma Xi Chapter and UBC President's Office. The forum will examine important determinants of the nature and quality of research at the University and is an opportunity for scientists to participate in deliberations that will influence UBC science policy. Ballroom, Graduate Student Centre. 8:45 - 5:15.

FRIDAY, APRIL 10
Medical Genetics Seminar.
Epidemiological studies of neural tube defects in British Columbia. Dr. Dessa Sadovnick, Research Associate, Medical Genetics, UBC. Parentcraft Room, Main Floor, Grace Hospital, 4490 Oak Street. 1 p.m.

Tropical Plant Sale.
Houseplant Sale. Dept. of Plant Science. Plant Science Greenhouses, south end of West Mall. For more information, call 228-3283. 1 p.m. - 3 p.m.

Oceanography Seminar.
Wave-current Interactions in the Queen Charlotte Islands. Dr. Jim Helbig, Pacific Ocean Sciences Ltd. For further information, call Dr. William Hsieh, 228-2821. Room 1465, West Wing, Biological Sciences Building. 3:30 p.m.

SATURDAY, APRIL 11
Tropical Plant Sale.
Houseplant Sale. Dept. of Plant Science. Plant Science Greenhouses, south end of West Mall. For more information, call 228-3283. 10 a.m. - 1 p.m.

SUNDAY, APRIL 12
French Conversational Program.
All-day. $60 includes lunch and dinner. For further information, call 222-5227. Room D339, Buchanan Building, 10:00 a.m. to 10:00 p.m.

MONDAY, APRIL 13
Biochemical Discussion Group.
Regulation of a Photosynthesis Gene in Rhodobacter capsulatus. Dr. John Hearst, Dept. of Chemistry, University of California, Berkeley. IRC 4. 3:45 p.m.

TUESDAY, APRIL 14
Dentistry Teaching Rounds.
DDAVP in Moderate Haemophillia and An Alternate Surgical Approach to Keratocyst Excision. Lecture Theatre, Koerner Pavilion (ACU), Room G279. 8 a.m.

Metals and Materials Engineering Seminar.
Densification of Silicon Carbide by Sintering and Hot-Pressing. M.R. Penugonda, Metals and Materials Engineering. Room 317, Frank Forward Building. 3:30 p.m.

Research Centre Seminar.
Genetic Heterogeneity Among Neural Tube Defects in British Columbia. Dr. Judith G. Hall, Medical Genetics. Room 202, The Research Centre, 950 W. 28th Avenue. 4 p.m.

WEDNESDAY, APRIL 15
Metallurgical Process Engineering Distinguished Lecturer Series.
Process Engineering in the Metallurgical Industries. Dr. G.G. Hatch, Hatch Associates Ltd. Room 317, Frank Forward Building. 3:30 p.m.

Special Applied Mathematics Seminar.
Electrodiffusion of ions. Dr. Isaak Rubinstein, Stanford University. Room 229, Mathematics Building. 3:45 p.m.

THURSDAY, APRIL 16
Medical Grand Rounds.
Molecular Genetics of Atherosclerosis. Dr. Sylvie Langlois and Dr. Michael Hayden, Medical Genetics. Room G-279, Lecture Theatre, ACU HSCH. 12:00 noon.

NOTICES

Food Services Easter Hours.
All campus food services will be closed from Good Friday, April 17, to Easter Monday, April 20, inclusive. SUBway will close at 3:30 p.m. on Thursday, April 16,. Full meals are available in Totem Park and Place Vanier. Dining Rooms on a cash basis. For information call Food Service Office 228-2616; Place Vanier Dining Room 228-2622; Totem Park Dining Room 228-6828.

UBC Bookstore Easter Closure.
The Bookstore will be closed April 17 - April 20, inclusive. The Bookstore will reopen 8:30 a.m. April 21.

Canadian Clay and Glass Gallery Architectural Competition Entries.
On display until May 1. UBC Fine Arts Gallery, Main Library Building, basement. Tuesday-Friday, 10 a.m. - 5 p.m., Saturday 12 noon - 5 p.m.

Nitobe Memorial Garden.
The Nitobe Memorial Garden will be open Monday to Friday 10 a.m. to 7 p.m. Free admission Wednesdays only. Call 228-4208 for information.

Botanical Garden.
The Main Botanical Garden on Stadium Road will be open daily (including weekends) from 10 a.m. to 7 p.m.

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

Faculty and Staff Golf Tournament.
The thirty-first Annual Faculty and Staff Golf Tournament will be held on Thursday, April 23. Tournament and dinner will be at the University Golf Club. Total cost will be $50 (Green fees $25, dinner $22 and prize money $3). Applications and details available at the Faculty Club reception desk. Open to all active and retired faculty and staff.

Haida Houses Project.
Northwest Coast artist, Norman Tait and a team of five carvers are turning a 29.5 ton, 20 metre-long log into a Nishga cargo canoe - the first of its kind in over 100 years. It will be paddled down the west coast to California, tracing the ancient abalone trading routes. For further information call, 228-5087. Haida Houses, Museum of Anthropology. Continues throughout the summer.

Archaeology Field Study Tour.
Centre for Continuing Education. April 10 - 12. "Archaeology of Ozette". $285. For more information, call David Pokotylo, Curator of Archaeology, Museum of Anthropology 222-5207. Tour leaves Winter Sports Stadium 9:15 a.m. Friday, April 10.

Laboratory Chemical Safety Course.
The UBC Occupational Health and Safety Office is offering a course covering chemical storage, handling and disposal, laboratory inspections, emergency response and spill clean up. The two morning lecture sessions (May 26, 27) and one morning practical session (June 4, 11, 12 or 19) are intended for staff who handle chemicals in a laboratory, especially head lab technicians, safety committee representatives and chemical storeskeepers. For further information, call 228-2909.

Craft Show
Local artists and crafters show their work. Fund-raising campaign hosted by the Allergy Information Association. April 4. For more information, call 877-2255. Main Concourse, SUB 10 a.m. - 4 p.m.

GRANT DEADLINES
MAY 1987

* Arthritis Society: Group Grants
  - -Multi-Centre, Facilitation, Development [15]
* B.C. Heart Foundation
  - -Research Traineeships [1]
* B.C. Heritage Trust
  - -Research [1]
* B.C. Medical Services Foundation (BCMSF)
  - -Research [19]
* Bedding Plants Foundation, Inc.
  - -Research [1]
* Canada Council: Aid to Artists
  - -Aid To Artists [15]
* Canada Council: Explorations Prog.
  - -Explorations Grant [1]
* Canadian Foundation for Ileitis and Colitis
  - -Research Training Fellowship (Ontario) [18]
* Canadian Inst. for International Peace and Security
  - -Research [15]
* Dept. of Regional Industrial Expansion
  - -Canada Awards for Excellence [17]
* Deutscher Akademischer Austauschdienst (DAAD)
  - -Study Visits of Foreign Academics [1]
* Fitness and Amateur Sport: Sport Canada
  - -Sport Science Support Program [1]
* Hamber Foundation
  - -Foundation Grant [5]
* Health and Welfare Canada: Welfare
  - -National Welfare Grant [1]
* Japan Society for the Promotion of Science
  - -JSPS Fellowship for Research in Japan [1]
* March of Dimes Birth Defects Fdn. (US)
  - -Reproductive Hazards in the Workplace [1]
* Muscular Dystrophy Assn. (U.S.)
  - -Basic Research [10]
  - -Clinical Research [10]
  - -Postdoctoral Fellowships [10]
* NSERC: Strategic Grants Division
  - -Equipment [1]
  - -Strategic Grant [1]
* Royal Society of New Zealand
  - -Captain James Cook Fellowship [31]
* Science Council of B.C.
  - -Research [1]
* Sigma Xi, The Scientific Research Society
  - -Grants-in-Aid [1]
* Spencer, Chris Foundation
  - -Foundation Grants [31]
* Standards Council of Canada
  - -University Research Contribution [31]
* Statistics Canada
  - -Research Fellowships, Internships [31]
* World Wildlife Fund (Canada)
  - -General Research [1]

Calendar Deadlines.
For events in the period April 19 to May 2, notices must be submitted on proper Calendar forms no later than 4 p.m. on Thursday, April 9 to the Community Relations Office, 6328 Memorial Road, Room 207, Old Administration Building. For more information, call 228-3131.

FIRST CLASS MAIL

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