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# CKNW fund gives $400,000 for new chair

*It was old home week for many members of the CBC TV Beachcombers' crew. Most members are graduates of UBC's theatre department, and they were on campus shooting two pilot episodes of a spin-off from the Beachcombers outside of the Freddy Wood Theatre. The spin-off, called Constable Constable, features a popular character of the Beachcombers, RCMP Constable John Constable, who is being written out of the Beachcombers and "re-assigned" to the campus detachment. The pilots will be broadcast in the spring and if successful, the new series will be shot at UBC next year.*

The CKNW Orphan's Fund has made the single largest donation in its four-year history to UBC.

The fund is providing $400,000 to endow a position to be known as the CKNW Chair in Pediatric Immunology in the University's Faculty of Medicine.

It will be the first chair of pediatric immunology in any Canadian university.

Interest from the fund, which will be administered through the Vancouver Foundation, will go towards the salary of a person, yet to be named, appointed to the chair.

Mr. Erm Fiorillo, administrator of the fund, said he is particularly excited by the creation of the chair.

"In the past four years since the fund began we have made contributions and grants towards the physical needs of children," Mr. Fiorillo said.

"But the chair is something new, an opportunity for us to fund something that others aren't.

"Immunology is a new area in pediatrics and we want to fill a big hole in that area."

Dr. William Webber, dean of UBC's Faculty of Medicine, said he was delighted with the funding.

"Pediatric immunology is a rapidly developing area in which UBC already has a significant program," the dean said. "The chair will allow us to accelerate our work."

His response was shared by Dr. Robert H. Hill, head of the Department of Pediatrics, and Dr. Aubrey Tingle, head of the Division of Immunology in the department.

Dr. Hill: "There have been many advances in pediatric immunology in the past few years and we anticipate many more in the future.

"The chair will allow us to designate an individual to carry on research and scholarly activity in this important area."

Dr. Tingle emphasized that pediatric immunology is a recent field of study. The immune response involves classic childhood diseases and a host of other ailments too.

"The child may have difficulty in handling a specific infection," Dr. Tingle said. "Or the condition might be more general immune deficiency.

"As clinicians we want to be able to help these children. As researchers, we need to know how the diseases are caused."

The chair is the sixth in the Faculty of Medicine. The others are the Eric W. Hamber Chair in Medicine, James and Annabelle McCreary Chair in Pediatrics (held by Dr. Hill), Royal Canadian Legion Professorship in Family Practice, Mount Pleasant Legion Chair in Community Geriatrics, and Belzberg Family Professorship in Medicine.

# Research reduces need for animals

Three projects are now under way at UBC to try to reduce or eliminate the need for laboratory animals in medical teaching and research.

The projects are made possible by an initiative of the B.C. SPCA. The SPCA donated $10,000 towards support for research of this type and UBC matched it.

Support for further research can be made through tax-deductible donations to the B.C. SPCA-UBC Fund for Alternatives to Animals in Research, Office of Research Services, University of B.C., 2075 Wesbrook Mall, Vancouver, V6T 1W5.

The University will contribute an amount equal to any donation to the fund.

One project aims at developing a microcomputer simulation to mimic the complex response of the body to life-threatening situations. It is to replace the use of anesthetized rats, rabbits and sometimes dogs used to teach medical and other senior students what may happen when heart or breathing action is altered.

Altering one factor often has unanticipated effects that cannot be adequately described in a textbook.

Leading the $2,100 project is Prof. John Ledsome, head of UBC's Department of Physiology.

"It has been possible to simulate the effects on a large main-frame computer," Dr. Ledsome said, "but the costs would have been high. Recent advances in microelectronics now make it possible to use a microcomputer."

Another project in the Department of Physiology will establish a laboratory to teach senior students a technique called cell tissue culture. Tissue culture involves growing animal or human cells in the laboratory so that the cells rather than animals can be used in research.

The technique is used routinely in a variety of UBC laboratories but this will be the first laboratory established to teach it to students.

The project, funded for $8,500, is under Dr. David Mathers.

Drs. Keith M. McErlane and James M. Orr of UBC's Faculty of Pharmaceutical Sciences aim at developing a chemical analysis method to determine the purity of a hormone which is currently analyzed using laboratory animals. They hope that if they succeed, the chemical method could be expanded to the analysis of other such drugs.

Their project is receiving $9,400.

The three grants were awarded after a University-wide competition conducted by UBC's committee on the use of animals in research. All such research at UBC, including research on wildlife and domestic agricultural animals, must be approved by the committee and conducted in accordance with committee regulations.

Dr. John H. McNeill, chairman of the committee, said there are economic and scientific reasons to develop methods for reducing the need for laboratory animals, in addition to humane considerations.

"Substitute methods are always much cheaper and faster," said Dr. McNeill, who is also associate dean in the Faculty of Pharmaceutical Sciences.

"And the results are usually more accurate."

# Talk slated on finances

President George Pedersen will discuss the University's financial situation at a meeting of the joint faculties on Tuesday (Dec. 6) at 12:30 p.m.

The meeting will be held in Lecture Hall 2 of the Woodward Instructional Resources Centre. Overflow accommodation and television sets will be available in Lecture Halls 4, 5 and 6 of the building.

Under the University Act the president has the power to convene joint meetings of all or any of UBC's faculties.

# United Way over top

Tough economic times didn't dampen the generosity of UBC employees, faculty and students during this year's United Way campaign.

John Lomax of UBC's finance department, who headed the 1983 campaign on the campus, said that returned pledges total $121,196 so far, a little more than the $120,000 target set for the campus.

"I'd like to pass along my thanks to all those who contributed to the campaign," said Mr. Lomax. "We're very grateful."

*Reva Robinson . . . coordinator of prison outreach program.*

# Museum goes to prisons

When UBC's Museum of Anthropology moved to its present location in 1976, it received a great number of requests for both in-house and outreach programs on Native Indian culture.

One very successful program that was developed in response to such a request is an outreach program for Native Indian inmates in B.C.'s federal correctional institutions.

At first there was occasional contact between the museum and various correctional institutions in the form of slide shows and speakers, but in 1980 the museum approached Reva Robinson, a freelance consultant in the museum education field, to look into the feasibility of developing a regular program.

"We submitted a proposal for the program and received funding from the federal government," says Ms. Robinson, who received a master's degree in Anthropology from UBC in 1972. "And they've renewed funding each year since."

The sessions focus on a range of skills related to Native Indian culture. Programs in the past two years have focused on skills such as silkscreening and leather and bead work, and inmates are currently involved in a program on woodcarving and jewellery-making.

"We initiated the programs at Mountain Institution in Agassiz and Mission Institution, and last year we received a request from the Native Brotherhood Group at Matsqui Prison in Abbotsford to expand our program to include them," says Ms. Robinson. "The response from the men has been extremely positive."

The pilot programs were carried out at two women's institutions — Lakeside (Oakalla) and Twin Maples — as well, but there are very few federal inmates in women's institutions in B.C. and therefore only a small number of women could participate.

"We couldn't continue our programs because it just wasn't cost effective," says Ms. Robinson.

"The programs were originally set up to accommodate a 'drop-in' type of participation," says Ms. Robinson. "Each session had to be able to stand on its own.

"But lately we've been focusing more on skills training and this requires participation on a more regular basis. In each of the three institutions a core group of men has developed who are interested and take part in the programs."

Each program consists of a certain number of weekly sessions. Most of the resource people who teach the programs are Native Indians.

"My goal for the program is to increase the men's awareness of their own potential and to increase their pride in being Native," says Ms. Robinson. "One thing the program does is to provide them with positive role models. A lot of the men have pretty negative feelings about being Indian, they feel that people expect the worst of them and I think that attitude has led to the type of behavior that has landed them in prison, in many cases.

"But by having these resource people coming in, several of whom have been in prison themselves, the inmates can see that there are real possibilities for making it on the outside.

"It's a real thrill for the men to have accomplished Native artists such as Norman Tait, who is teaching the carving program, to come in and work side by side with them."

Ms. Robinson says that the job satisfaction she gets from coordinating the programs more than makes up for having to drag herself out of bed on Saturday mornings to drive out to Mission or Agassiz or Abbotsford.

"The men are so pleased about the programs and so grateful, that you leave the prison with the feeling that you've really given them something. There's no doubt that the men appreciate what people are doing for them."

The men at Mountain Institution carved a totem pole which was erected on campus during the World Council of Churches meetings held at UBC this past summer. The pole was donated to the World Council of Churches and will be erected in Geneva, Switzerland.

Ms. Robinson hopes to expand the museum program to include other faculties and resource people on campus.

"In the past I've been focusing on traditional aspects of Native life, but I think it would be useful for the men to have more information about Native Indians in society today.

"If some of them do try to make a living in the arts, they will have to know about things like copyright laws, finding an agent, marketing their products.

"I would be very interested in hearing from people in any area of the University who would be willing to be involved." (Ms. Robinson can be contacted through the Museum of Anthropology.)

# Campus computer network studied

A presidential committee has been established to look into computer networking on campus.

The committee will:

1. Review the present state of networking of computer facilities on campus;
2. Recommend priorities to guide development of networks in the next five years;
3. Recommend how such networks should be administered.

Committee chairman Alan Mackworth of Computer Science said information is being gathered from computer users on campus through use of a questionnaire. It will go automatically to all persons on the Computing Centre Newsletter mailing list. Other computer users may obtain copies from Room 333 in the Computer Sciences Building, or from the Computing Centre reception desk. If you'd like a copy mailed, call 3061.

Dr. Mackworth comments:

"As part of our work we are gathering information from computer users on campus. That process requires information on what users are doing now and what facilities would be useful to them. Please spend some time filling out this questionnaire. It is not necessary to answer all the questions. If a question is not relevant or beyond your level of interest, just skip it.

"The three hitherto separate worlds of computing, communications and office technology are rapidly converging. This is starting to have a substantial impact on how UBC functions. Communications networks for data, voice, video and text have related but not identical requirements.

"We are concentrating on computer communications but we should make clear that we are studying the convergence phenomenon both in terms of the technologies involved and in terms of the administration of the networks. A simple consequence of this is that the word "computer" should be interpreted broadly to mean any information processing system including devices such as phototypesetters, word processors and other office automation equipment.

"Feel free to expand on any of your answers at length or to write to the committee on any issues connected with its concerns."

Completed questionnaires should be returned to Dr. Mackworth.

# CAUT pledges support

OTTAWA — The Board of the Canadian Association of University Teachers says it is outraged by what it terms is the "intransigence" of the government of British Columbia.

The Board of the CAUT at its meeting of Nov. 11-13 pledged its support to any British Columbia member of CAUT who is dismissed as a consequence of the Public Sector Restraint Act or whose academic freedom is jeopardized in any way. The Board also called upon the federal government to fund universities directly where academic freedom and university autonomy are not guaranteed by the provincial government.

CAUT President Dr. Sarah J. Shorten stated that the Public Sector Restraint Act in B.C. has nothing whatever to do with financial restraint in the university sector. The British Columbia government already has the unfettered power to cut budgets and has already exercised restraint in university funding, she said. What is at stake is how universities conduct their affairs under restraint.

The Public Sector Restraint Act permits a massive intrusion into university affairs and thus will imperil free speech and free inquiry in the universities. This legislation undermines the sanctity of contracts that have protected from political pressure faculty members whose research or teaching might prove unwelcome to politicians. It also transfers power over university affairs to an unaccountable bureaucrat - the Compensation Stabilization Commissioner.

The motions relating to the crisis in British Columbia passed by the CAUT Board included the following:

1. That the Board condemn the legislation passed and presently proposed by the Government of British Columbia which attacks and threatens human rights, academic freedom and tenure, university autonomy, collective bargaining and the sanctity of contracts, and calls for the repeal or withdrawal of such legislation.
2. That the Board state publicly CAUT's determination to defend any member of CAUT in British Columbia who is dismissed or laid off as a consequence of the Public Sector Restraint Act or whose academic freedom or tenure is jeopardized.
3. That the Board authorize legal counsel in co-operation with legal counsel of the Confederation of University Faculty Associations of British Columbia to explore a constitutional challenge under the Charter of Rights and Freedoms, to the British Columbia legislative program as it pertains to CAUT members.
4. That CAUT recommend that the federal government amend the Established Programs Financing Act to provide for direct grants to universities in lieu of transfer payments in those provinces which will not guarantee academic freedom and the autonomy of their universities.
5. That the CAUT explore with other interested parties the filing of complaints to the International Labor Organization concerning the Public Sector Restraint Act in British Columbia and similar pieces of legislation.
6. That the Board commend the actions taken by CAUT officers and staff in relation to the crisis in British Columbia.

Discussion of future developments in British Columbia continues between CAUT and the faculty associations in the province's universities.

The Canadian Association of University Teachers represents 26,000 faculty and professional librarians across Canada.

# New name approved

The School of Home Economics is now the School of Family and Nutritional Sciences.

The name change was approved by Senate Nov. 16.

The new name more clearly defines the focus of the school's teaching and scholarly interests, Senate was advised.

*Stan Persky, now. Chancellorship candidate Stan Persky accused* UBC Reports *of 'malicious misrepresentation' because we carried an out-of-date photo of him in the edition of Nov. 2. No malice was intended, but to keep the record straight, this is what the candidate looks like today.*

*Peter Graystone, left, and Chris Dumper test a computer program in the new technology centre for physically disabled children, established recently through a $40,000 award from the Wesbrook Society. The centre will help disabled children throughout the province.*

# Wesbrook award helps the disabled

A $40,000 award from the Wesbrook Society has made possible the establishment of a technology centre at UBC for physically disabled children.

The Wesbrook Society, a group of major donors to the University, makes the award annually for a special project it feels will make a significant contribution to the University and to the province.

The new "centre" is, in fact, a large office in the extended care unit of the Health Sciences Centre Hospital filled with microcomputers and educational games and toys used to assess the learning capability of severely physically disabled children.

It is operated by special education teacher Chris Dumper, who manages the centre, Dr. Peter Graystone, a rehabilitation engineer in UBC's School of Rehabilitation Medicine, and technician Ken Brockley.

"What happens in many cases with physically handicapped children is that even though they are intelligent, they're unable to fit into a regular school system because their disability makes communication difficult, or in some instances, impossible," says Dr. Graystone. "In recent years, however, microcomputers have become commonplace in classroom settings and disabled children can now learn and communicate using special keyboards and other electronic equipment."

The role of the new UBC centre is to assess children who have been referred from school districts throughout the province and from the Insurance Corporation of B.C. (children who have been disabled in accidents) to determine their learning capability and to make recommendations about the type of electronic equipment which would be needed to enable the child to learn in a normal classroom environment.

"In many cases, it's just a matter of making some minor changes to equipment already available in the school," says Dr. Graystone.

Most of the devices used for testing in the centre have been designed and constructed by Dr. Graystone. The assessments are carried out by Mr. Dumper, who has been confined to a wheelchair himself since a motorcycle accident in 1972.

"For many cerebral palsied and other disabled children, the ability to communicate using electronic and mechanical aids is the first step in gaining some control of their environment," says Mr. Dumper. "This leads to greater self-esteem and the development of decision-making and learning skills.

"There isn't much incentive for a child to learn if he or she has no hope of communicating that information," he adds. "Computer technology has enormous potential to provide that incentive."

Disabled children operate the microcomputers and educational games using a number of specially-designed control panels and levers. These special devices make it possible for those with even the most minimal hand, head and mouth movement to use the equipment.

One example is a morse code program in which different letters of the alphabet appear on a computer screen in response to signals emitted by slight head movement against a control lever.

"We've had several referrals since the centre opened three weeks ago, and we expect to be very busy once more people find out that this service is being offered," says Mr. Dumper. "There are more than 12,000 physically disabled individuals in the province and there is a real need for this type of assessment."

In 1982, the Wesbrook Society Special Project Award went to UBC's Crane Library for the blind for the purchase of a machine which scans material and reads it aloud for the visually impaired.

# UBC professor an astronaut?

Space travel, the last refuge of fantasy for incurable romantics in an increasingly familiar world, isn't what it used to be.

Astronauts who previously devoted a life-time training for a position on a mission, are fading into the limbo of the quaint past.

"Such is progress," says UBC neurobiologist John Steeves. "The Right Stuff is wrong."

Dr. Steeves is one of 68 Canadians selected as possible candidates to join Canada's first astronaut team. The number will eventually be reduced to six who will be trained for flight on U.S. space shuttles. Of the six, two will be finally selected for space and the remaining four will act as back-ups.

Typically, said Dr. Steeves, an assistant professor in the zoology department, most of those selected are scientists with no training in space science.

"Training for flight is now compressed into a relatively short period of time," he said. "What is becoming more important are other skills that astronauts can take into space. Flight training is only the essential means of getting them there."

Dr. Steeves' observations are borne out by examining the background of other Canadians selected for the program. Of eight Canadians selected during a recent visit to Vancouver by the National Research Council, few have shaped their career with space flight in mind.

In addition to Dr. Steeves, there is a cardiologist, a radiologist, a anesthesiologist, a Ph.D. student in psychology from Simon Fraser University, a biomedical engineer, and two Canadians working in California — an engineer with the Jet Propulsion Lab in Pasadena and an astrophysicist from Stanford University.

The first Canadian astronaut is scheduled to fly into space in the fall of 1985 and the second in early 1986. They will conduct two experiments in space.

The first is to improve the operation of the Canadarm, the $100-million robotic arm developed in Canada to execute manipulations in space through remote control. The Canadarm was first tested on the Space Shuttle Columbia.

This experiment is called the NRC Space Vision System and is to improve the guidance system allowing the Canadarm to approach, capture and then berth large satellites or assemble other structures in space.

The second experiment is a series of research projects aimed at reducing or eliminating motion sickness which has plagued astronauts. Central to the problem is the body's sense of equilibrium, associated with the central nervous system. It is this set of experiments that Dr. Steeves would be involved in.

The six Canadian finalists will be announced by the NRC Dec. 7.

# Grad student gets $7,604

UBC doctoral student JoAnne Marie Gardner has been awarded a grant of $7,604 by the Educational Research Institute of B.C. for a study of Cantonese, English and Punjabi-speaking Canadian children.

According to the abstract, the purpose of the study is to investigate the performance of 70 Grade Three children of each group on two intelligence tests, the Wechsler Intelligence Scale for Children -Revised, and the Kaufman Assessment Battery for Children.

Ms. Gardner says the study has the potential of providing school psychologists and educators in B.C. with insight into the possible test bias that may occur when assessing English as a second language and English as a first language students, possible explanations for any differences which might occur, information on how individuals and cultural groups process cognitive information, and direction for future research.

Anticipated completion date of the study is September, 1984.

# Recession cuts into continuing education

The recession hit continuing education programs offered by the University of British Columbia in 1982-83, although registration still nudged 86,000 in credit and non-credit offerings.

The total of 85,992 was down 5.58 per cent from 1981-82.

There were, however, some marked gains in some of the professional development areas. Continuing education courses in nutrition and dietetics showed an increase in registrations of 24.26 per cent. Continuing dental education was up 19.56 per cent, social work up 11.47 per cent, agricultural sciences up 9.77 per cent and medical education up 2.4 per cent.

Hardest hit by the economic downturn in B.C. were continuing education programs aimed at resource-based industries and the public sector.

Registration in professional continuing education offered through UBC's Centre for Continuing Education dropped by 1,524, a decrease of 12.44 per cent from 1981-82, with the fall-off particularly noticeable in architecture, engineering and urban planning.

Commerce and business administration, education, pharmacy and rehabilitation medicine were also down, yet participation in non-credit programs in the humanities, sciences and arts almost held its own in spite of the hard economic times. The decrease there was only 2.4 per cent.

UBC's Office of Extra-Sessional Studies, which conducts spring and summer sessions, showed an increase of 59 students in 1983, with spring registrations down 48 at 3,552 and summer sessions up 107 at 4,362. Women formed the majority in both sessions — 56.08 per cent in the spring and 59.99 for summer session.

UBC continuing education programs, credit and non-credit, were offered in more than 50 communities across the province, sometimes with surprising attendance figures. A one-day course on the use of microcomputers in agriculture drew 40 registrants in Kamloops, 51 in Prince George and 63 in Dawson Creek.

# 'Breadth' gets new committee

UBC's Senate has established another committee in its ongoing examination of breadth of study in undergraduate programs at UBC.

An ad hoc committee, chaired by Prof. Richard Spencer of Civil Engineering, was formed last September to enquire into the matter of minimum breath requirements for baccalaureate programs and to draw up a set of recommendations for Senate.

When the committee reported back to Senate in February, a recommendation was carried that "Senate approve in principal that all students should receive a broad exposure to a variety of disciplines in addition to their chosen field of study before completing any baccalaureate degree."

The rest of the committee's recommendations were referred to faculties and schools for comment.

At its Nov. 16 meeting, Senate passed a motion by Prof. Spencer that the ad hoc committee be dissolved and a new committee be formed to review the original recommendations and the comments from faculties and schools.

"While this may be seen simply as a refusal by Senate to come to grips with the matter, I think, in fact, it is a suggestion that Senate not try to come to grips with the matter prematurely," said Prof. Spencer.

"I am suggesting that a new committee be formed in view of the fact that there was such a variety of responses from the faculties and schools and in view of the fact that some of the larger faculties did not agree with the recommendations."

The new committee will report to Senate at or before its meeting in February, 1984.

# Board chairman stresses need for increased I

*Vancouver lawyer David G. McLean was first appointed to UBC's 15-member Board of Governors in 1980 and was elected Board Chairman last Sept. 1. In the following interview,* UBC Reports *explored with him the problems the University faces from the perspective of the Board.*

**UBC REPORTS:** You're one of eight members of the Board appointed by the provincial government. As an "outsider," in a sense, what impressions have you formed of the University since joining the Board?

**MR. McLEAN:** There's no question in my mind that UBC is one of the leading universities in Canada. And I think the reason for that is the quality and dedication of its faculty in terms of its teaching and research. Our students also contribute to the high regard in which UBC is held. We attract top students because of the quality of the teaching and research done here. And the University's graduates are very highly regarded, wherever they're employed. I think these views are shared by every member of the Board. My experience has shown that faculty are dedicated scholars who give far more of their time and effort than most people outside the University realize. It's important that the Board communicate this to the outside community.

**UBC REPORTS:** Is the Board aware of areas of academic strength and weakness within the University?

**MR. McLEAN:** Indeed it is. The president and his vice-presidents keep us aware of both the strengths and weaknesses of the University and they've been the subject of discussion on numerous occasions. I think one of the big challenges facing the Board and the University in general is the question of how we can maintain and enhance areas of strength as well as improving areas of weakness in the face of the difficulties that have arisen as the result of financial restraint.

**UBC REPORTS:** Can you be specific about an area of strength and weakness that concerns the Board.

**MR. McLEAN:** Well, one of the strengths of the University is its size. It is a very comprehensive University, offering studies in the liberal arts, the pure and applied sciences and professions at both the undergraduate and graduate levels. It has one of the best library systems and one of the best computing centres in Canada. The other side of that coin is that the University is perceived in some quarters as being impersonal and monolithic.

One of the real concerns of the Board is to suggest and support ways in which the University can be seen as an integral part of community life in all parts of the province, and especially in the business community, which generally benefits handsomely from the quality of our graduates and the quality of our faculty, who are involved in many ways with business and industry in an advisory capacity.

Another area of strength and weakness is the geography of the University. On the one hand, we have one of the most beautiful campuses anywhere and, on the other, a physical plant spread out over such a large area that in some cases faculty and students in certain of the professional areas have very little opportunity of interacting with their counterparts in the areas occupied by the humanities. That potential for isolation was one of my concerns when I chaired the Board committee on property. One of the things we accomplished during that time was the development of guidelines for an overall plan of future campus development. We will be announcing some initiatives later in the year that we hope will help to overcome the impersonal nature of such a large campus.

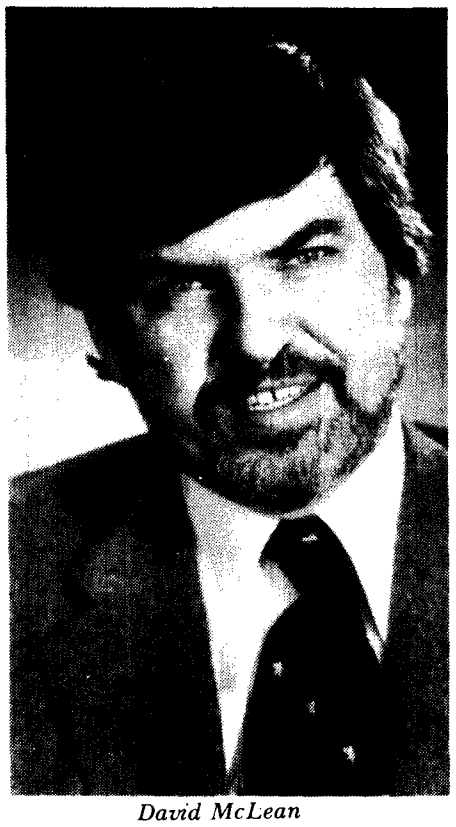
In summary, I'd say that the University has enormous strengths and a few weaknesses that can be corrected by utilizing our resources more effectively and fostering, in some cases, a change in attitude in the consideration of problems.

**UBC REPORTS:** What compelling reasons are there for using our resources more effectively?

**MR. McLEAN:** In a single word: Restraint. I think it's abundantly clear that the University cannot expect much by way of additional funding from the provincial government for a number of years. One has to sympathize with Victoria's problems — they are simply short of revenue because of the recession. bullshit

My own view is that this problem has to be approached in a positive way. An analogy might be a family facing a static-income situation. Each member of the family has to make his or her contribution to the situation by spending a little more carefully... perhaps even making a few sacrifices. The effects of restraint are a continuing source of worry and concern to the Board and a great deal of time is spent discussing them.

Some steps have been taken to improve University-community relations. The University is searching for a new vice-presidential position in the area of development and community relations, which is one aspect of our concern to develop alternate sources of funding and to ensure that University needs are more widely known, especially in the business community.



*David McLean*

I hope, too, that it will be possible to organize the alumni more effectively and I anticipate that there will be a major fund-raising drive in the next year, coupled with efforts to bring graduates back to the campus to see how their alma mater is faring.

**UBC REPORTS:** Can you outline some additional Board concerns.

**MR. McLEAN:** Other pressing problems for the Board are the question of student numbers, both next year and for the rest of the decade, as well as tuition-fee levels. We may be faced with enrolment limitations and with decisions on increasing tuition fees, which is the one area in which the University has some financial flexibility.

Another area of concern is long-range planning. You're probably aware that the Universities Council has established a long-range planning committee to look at this problem from the perspective of the entire B.C. university system. Both President (George) Pedersen and I are members of that committee and I'm on the executive committee of the larger group.

The aim is to establish guidelines for the rationalization and development of the University system over the next five to ten years and a lot of thought will have to be given to the future directions of UBC within that context. There will be a great deal of consultation on this campus to formulate our contribution to this study.

The relationship among certain campus groups and governing bodies — faculty, students, Board and Senate — is one I'm personally concerned about. The president and I are discussing ways in which communications can be improved because I believe many of our problems stem from a lack of communication.

Over against these difficulties, I think the Board also has a responsibility to do everything within its power to ensure that every young person in B.C. has the opportunity of attending a post-secondary institution if he or she wants to and can meet the entrance standards. Everything possible has to be done to ensure that academic standards are upheld and that excellence in research is fostered.

**UBC REPORTS:** Many people are not familiar with the structure and functions of the Board of Governors. Can you describe them.

**MR. McLEAN:** The Board and the Senate of the University derive their powers from the provincial University Act. Basically, the Board is responsible for the University's financial affairs, while the Senate deals with academic matters. Some things that Senate passes can't be implemented until they're also approved by the Board because they have financial implications... new courses and programs, for example.

As you can imagine, when there are two bodies concerned with University government, there are bound to be very grey areas in terms of each body's responsibilities, but in practical terms it's rare for the Board and Senate to have a disagreement on jurisdictional grounds. There is a strong feeling of mutual respect and understanding — both groups share a deep affection for the University.

**UBC REPORTS:** What do you see as the overall function of the Board?

**MR. McLEAN:** In the final analysis, the Board's overriding function is to ensure that the best possible conditions exist to enable the University to achieve excellence in its basic functions of teaching and research.

The Board has the responsibility for University property, including new construction on the campus. It also appoints the president and approves the appointment of all members of the teaching staff on the recommendation of the president. It also shares with Senate responsibility in such areas as new courses and programs. And the Board is guided by recommendations made by the Senate Committee on Academic Building Needs on priorities for new construction.

The Board, it seems to me, has a collective responsibility to see that the affairs of the University are managed in an efficient and responsible way. It gives general policy direction to the president and acts as a body to whom the president can turn for advice and guidance. The chairman of the Board, in particular, is often more personally involved, since he has to confer with the president frequently about issues coming before the Board.

I don't think many people realize just how complex a place the University really is. It's really a city with a daily population of some 30,000 to 40,000 students, faculty members, support staff and visitors. In addition to its own system of government, the University is responsible for its own road, sewer, electrical and traffic and parking systems over and above its academic responsibilities.

Now, it's obvious that the Board can't oversee every aspect of campus activity. It delegates, through the president, the responsibility for the day-to-day operation of the campus. He, in turn, has to choose

## Here's how 15-person BoG formed

The 15 persons on UBC's Board of Governors are either elected, appointed or sit "ex officio," i.e. by right of office.

The ex officio Board members are President K. George Pedersen and Chancellor J.V. Clyne.

President Pedersen is appointed by the Board and the chancellor is elected by the Convocation of the University, which is largely made up of all UBC graduates. The chancellor and the president are the only members of the Board who also sit on the UBC Senate, which the president chairs. Both are Board members as long as they hold their respective offices.

The faculty of UBC elects two Board members, who hold office for three years. The current members are Prof. Peter Pearse of the Faculty of Forestry and Prof. Hugh Greenwood, head of the Department of Geological Sciences.

Full-time employees of the University who are not members of the faculty elect one Board member for a three-year term. The incumbent is William Morrison of the Department of Physics.

UBC students elect two Board members, who serve one-year terms. The current members are Dave Frank and Margaret Copping.

Eight members of the Board are appointed by the Lieutenant-Governor in Council (the provincial cabinet). Currently serving three-year terms are: Joy McCusker, Richard Stewart, A.R. Crawford, Gerald H.D. Hobbs, Leslie R. Peterson, Q.C., A.F. Pierce, David G.A. McLean and William L. Sauder.

Members of the Board are eligible for re-election or re-appointment but may not hold office for more than six consecutive years. The chancellor's term of office is also limited to six consecutive years.

## Many duties for UBC governors

UBC's 15-member Board of Governors is charged, under the provincial University Act, with the "management, administration, and control of the property, revenue, business and affairs of the university."

Among other things, it is empowered to:

- Appoint the president;
- Approve the appointment, promotion or removal of all senior administrative officers and members of the teaching and research staff on the recommendation of the president;
- Receive from the president and adopt with or without modification the University's annual operating and capital budgets;
- "Fix, determine and collect the fees to be paid for instruction, research and all other activities of the university";
- Provide for student loans;
- Control vehicle and pedestrian traffic on the campus; and
- "With the approval of senate, to determine the number of students that may in the opinion of the board, having regard to the resources available, be accommodated in the university or in any faculty of it."

Some matters approved by the Senate of the University have no force or effect until approved by the Board. These are: the establishment or discontinuance of any faculty, department, course of instruction, chair, fellowship, scholarship, exhibition, bursary or prize; matters reported by faculties which affect their respective departments or divisions; and the fixing of terms of affiliation with other universities, colleges or other institutions of learning and the modification or termination of such affiliations.

The Board meets nine times a year (there are no meetings in January, August and September) and conducts its business through standing committees on finance (chaired by Gerald H.D. Hobbs), property (chaired by Richard Stewart), employee relations (chaired by William L. Sauder), academic affairs (chaired by Mrs. Joy McCusker) and audit (chaired by A.F. Pierce). The last two committees were established this year.

The academic committee considers recommendations from the president on appointments to the academic and administrative staff and recommendations from Senate which must be acted on by the Board.

The audit committee provides assistance to the Board in fulfilling its fiduciary responsibilities relating to accounting and reporting practices and acts as a liaison between the Board and the external auditors for exchange of views and information.

There is also an executive committee of the Board to deal with matters that arise between Board meetings. It's made up of the chairman, the chancellor, the president and the five Board members who chair its committees.

# ison with community

a team of academic and non-academic administrators who will get the job done.

The relationship between the Board and the president is excellent. President Pedersen is very sensitive to the role of the Board in the affairs of the University and the Board, for its part, is very sensitive to the importance of delegating responsibility for the administration of the University to the president and his staff. The Board has the utmost confidence in President Pedersen, who has chosen a first-class team of vice-presidents to implement programs and policies.

I think it's worth mentioning here that no member of the Board, except for the president, receives any salary or honorarium for his or her services. And at some times of the year, there are very heavy pressures on members in terms of committee meetings and other functions at which members represent the University.

**UBC REPORTS:** The Board operates on a committee system then?

**MR. McLEAN:** That's right. Most of the business that concerns the Board reaches it through the vice-presidents and president, of course, and most matters are the subject of discussion at committee meetings that precede the monthly Board meetings. The committees are advised by vice-presidents and other senior administrators. Draft resolutions are prepared at the committee level for consideration by the full Board.

Earlier, I said that the Board had certain collective responsibilities, but I also think that Board members have responsibilities as individuals. In addition to acting in the best interests of the University by thoroughly preparing for discussion of the issues that are to come before the Board, each member has a duty to bring to the attention of the Board any matters which they feel should be examined. This could involve the taking of initiatives on such matters as: long-range financial planning, housing, or fund-raising for specific projects, to cite just a few examples.

**UBC REPORTS:** It's been suggested in the past that the governors are really trustees and should be called that. Do you agree?

**MR. McLEAN:** No, I don't. The term "trustee" implies an advisory role only, whereas the University Act specifically states that the "management, administration and control of the property, revenue, business and affairs of the university are vested in the board." I think that implies more than an advisory role and would include the concept that the Board can initiate action to ensure that the University prospers.

**UBC REPORTS:** The University Act has been criticized in some quarters because the provincial government has the right of appointment of the majority of the members. Do Board members see themselves as watchdogs on behalf of government?

**MR. McLEAN:** Oh, I think that labelling Board members as watchdogs implies that they have a rather narrow approach to their responsibilities toward the University.

Anyone looking at the University Act in a disinterested way would have to admit, I think, that it provides for a remarkably wide range of views in terms of Board membership. Of the eight appointed by the provincial government, seven are university graduates and five are graduates of this University. And many have been involved in UBC affairs for many years.

Of the remaining seven Board members, two are elected by the faculty, two are elected by the students and one is elected by the employees who are not faculty members. And the act provides that the chancellor and the president are also members of the Board. This ensures that many points of view will be presented on every issue.

Now, in my view, this is a group of people who are convinced of the value of higher education and all of them are fiercely loyal to this University. I'm afraid that the accusation that those appointed by the provincial government are there as watchdogs just won't hold water. In fact, those appointed by the government come from varied backgrounds and are people that have achieved a measure of success in their own fields of endeavor and they bring a strong sense of independent thought to the Board's deliberations.

On the whole, I think it's advantageous for the community at large to be strongly represented on the Board. They can provide the president and the administration with a perspective that may not always be evident on a day-to-day basis and they can be very helpful in generating funds that will enable the University to do some things that might not happen otherwise.

And I want to assure the University community that all members of the Board take very seriously their role as a link with the provincial government in explaining University needs. I think that's particularly important in this period of financial restraint.

The Board, for instance, has taken steps to bring to the attention of the government the very real difficulties the University encountered earlier this year because it didn't know until July — more than a quarter of the way through the fiscal year — what its operating grant would be. That kind of delay makes financial planning virtually impossible. For his part, the minister of universities is very sympathetic and has promised his full cooperation.

**UBC REPORTS:** Any final observations?

**MR. McLEAN:** I want to leave you with this thought. Although the Board is primarily concerned with the financial and administrative affairs of the University, its members all share a common love of UBC, sing its praises and defend it at every opportunity. We are all committed to continuing the University's high standards of excellence.

# Ottawa gets brief on funding

The federal government should amend the Established Programs Financing Arrangements to ensure that federal funds transferred to the provinces in support of postsecondary education are spent in that sector, according to the Association of Universities and Colleges of Canada.

In an eight-page brief to the Royal Commission on the Economic Union and Development Prospects for Canada, the AUCC points out that universities are vital to the social, cultural and economic prosperity of communities, provinces and the country as a whole. It calls on the commission to press the federal and provincial governments to provide adequate levels of funding to postsecondary institutions over the long term.

The brief calls attention to the important role of the universities in research and development. It says the commission should recognize 1) that nearly all researchers get their training at university, 2) that universities must remain the focal point for much of the country's basic research, 3) that support for basic research should not be allowed to fall below a minimally acceptable level and 4) that the balance between basic and applied research should be carefully monitored.

The association represents 70 universities and degree-granting colleges. The group was founded in 1911.

# Degrees approved for fall graduates

UBC has granted degrees and diplomas to close to 900 fall graduates.

The degrees, approved by the UBC Senate Nov. 16, go to students who completed their requirements during the spring and summer.

Each graduate has the option of receiving the degree now or appearing at UBC's 1984 Spring Congregation for the formal degree-granting ceremony.

# GRANT DEADLINES

## Our Name has Changed

Recently, the Office of the President: Research Administration (OPRA), was renamed the *Office of Research Services* (ORS). We hope that the new name, besides being shorter, better indicates our function, which is to provide a service to the UBC research community.

Because our ever increasing workload has demanded specialization in the office, your time can be saved if telephone calls and visits are directed to the appropriate person, as follows:

**Richard Spratley** (Room 312, 228-3652) ● UBC and granting agency policy interpretation ● contract negotiation & administration ● patents, licensing & copyrights ● research equipment and facilities rentals ● signing authority for grants and contracts.

**Gillian Thomas** (Room 306A, 228-5584) ● External granting agencies: information, forms & guidelines ● UBC trust accounts ● NSERC University research fellows ● grant deadline notices ● signing authority for grants

**Maureen Hogan** (Room 306C, 228-5583) ● Reviews of research involving human subjects (clinical & behavioral sciences) ● Internal UBC grants (HSS, NAHS, UBC-NSERC, UBC-SSHRC, UBC-KILLAM, arctic and alpine animal alternatives, study leave stipends as research grants, etc.) ● executive committee for research & associated committees

**Irene Ho** (Room 312; 228-3652) ● Processing applications to external granting agencies.

We are located in the Old Auditorium, upstairs on the north side.

### January grant deadlines (application dates in brackets)

- Agriculture Canada
  - Visiting Fellowships in Biotechnology (31)
- B.C. Medical Services Foundation (BCMSF)
  - Research (9)
- Calgary Inst. for the Humanities
  - Visiting Post-doctoral Fellowship (31)
- Canada Council: Aid to Artists
  - Aid to Artists (15)
- Canada Council: Explorations Prog.
  - Explorations grant (15)
- Canada Council: Writing/Public.
  - Translation Grant (15)
- Canada Mortgage & Housing Corp.
  - Research Grants Type A (to $3,500) (29)
- Canadian Veterinary Research Trust
  - Grants in aid of Research (1)
- Environment Canada
  - PRUF Contract (31)
  - Visiting Fellowships in Biotechnology (31)
- Ford Foundation
  - Soviet/East European/Intl. Security Fellowship (31)
- Hamber Foundation
  - Foundation Grant (5)
- Imperial Oil Limited
  - University Research Grants (15)
- Lalor Foundation
  - Fellowship (15)
- March of Dimes Birth Defects Fdn. (US)
  - Education Grants (1)
- MRC: Grants Program
  - Major Equipment (16)
  - MRC Group - RENEWAL (1)
  - Travel (15)
- MRC: Special Programs
  - Queen Elizabeth II Scientist Awards (15)
  - Symposia & Workshops (1)
- N.A.T.O.
  - Research Fellowships (1)
- North Atlantic Treaty Organization
  - Advanced Research Workshops Program (15)
  - Advanced Study Institute (ASI) (15)
- Rockefeller Foundation
  - Fellowships in International Relations (15)
- Smithsonian Institution
  - Fellowship (15)
  - Harvard-Smithsonian Astrophysics Fellowship (1)
- St. Hilda's College
  - McIlrath Junior Research Fellowship (4)
- Sugar Association, Inc.
  - Research (13)
- World Wildlife Fund (Canada)
  - General Research (1)

The following publications are available for use in the Office of Research Services. Faculty members are welcome to come into the office and peruse these publications for information on granting agencies. (Graduate students should contact Graduate Studies for information.)

- Canadian Directory to Foundations and Granting Agencies.
- Foundation Directory.
- Annual Register of Grant Support.
- The Grants Register.
- Awards for Commonwealth University Academic Staff.
- Directory - International Development.
- The Individual's Guide to Grants.
- Bulletins and Newsletters of Social Sciences and Humanities Research Council; Natural Sciences and Engineering Research Council; Supply and Services Canada, and Medical Research Council of Canada.

# 30 grads get R.I.A. initials

The Society of Management Accountants of B.C. announced earlier this month that 30 UBC graduates successfully completed the prescribed program of studies and work experience requirements to receive the professional designation R.I.A. (Registered Industrial Accountant) during 1983.

They are: Kenneth J. Davidson, B.Sc.(Math) 1972; Johan P. de Rooy, B.Ed. 1975; Joseph H. Dwornik, B.Ed.(Sec.-Math/Phy) 1973; Douglas S. Field, B.Comm. 1976; John E. Hanbury, B.Comm. 1979; Maria K. Hession, Lic. Acctg. 1980; Randolf Holst, B.A.(Econ/Pol.Sc.) 1975; Angela Karpa, B.Comm. 1981; Don Kendal, Lic.Acctg. 1979; James D. Laing, B.Ed.(Sec.-Math) 1973.

Danny S.F. Leung, B.Comm. 1980; Deborah W.K. Leung, B.Comm.(Acctg.) 1980; Leo H.F. Lok, M.B.A. 1979; Justin C.J. Mah, M.A.(Psych) 1972; Lic.Acctg. 1978; Thomas Martinson, M.B.A.(Acctg.) 1982; Stephen O. Mavety, B.Comm. 1976; Michael P. McBride, Lic.Acctg. 1979; Joan M. McCance, B.Comm. 1976; Kenneth G. Myrdal, B.Comm., Honours (Mark.) 1980; Donald C. Niquidet, B.A.(Econ.) 1973.

Alan L. Osborne, B.Comm.(Acctg./Fin.) 1976; Douglas B. Pontifex, B.Comm.(Acctg.) 1978; Alan G. Saville, B.Comm. 1975; Albert M.C. Tam, B.Comm.(Acctg./Mmgt. Info. Sys.) 1980; Peter W. Tamilin, B.A.Sc.(Chem.Eng.) 1960; Henry Y. Tanaka, B.Comm. 1974; Lic.Acctg. 1976; H. Kendall Turner, B.Ed. 1975; Donald G. Walzak, B.A. 1973; Lic.Acctg. 1980; David M. Whitlock, B.Comm. 1975; James W.K. Wong, B.Comm. 1981.

# CAMPUS PEOPLE

**Dr. Margaret Ormsby,** professor emerita of History at UBC, has received the 1983 Certificate of Merit Award from the Canadian Historical Association. The award was made in recognition of Dr. Ormsby's scholarship and teaching as well as her promotion of the appreciation of British Columbia history among the people of the province.

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Emeritus status has been conferred by the UBC Senate on the following: **Dr. H.B. Graves,** Clinical Associate Professor Emeritus of Anaesthesiology; **Dr. Carl Kline,** Clinical Associate Professor Emeritus of Psychiatry; **Mr. W. Krayenhoff,** Associate Professor Emeritus of Mathematics and Science Education; **Dr. A.D. McKenzie,** Clinical Professor Emeritus of Surgery; **Dr. W.J. Thompson,** Clinical Professor Emeritus of Surgery.

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**Dr. B. Espen Eckbo** of UBC's Faculty of Commerce and Business Administration participated in an annual academic seminar organized by the New York Stock Exchange. Dr. Eckbo's specialty is mergers and takeovers, the subject of this year's seminar. Sixteen experts were invited. Dr. Eckbo was the only one from a Canadian university. Other representatives were from such blue chip American universities as Stanford, Harvard, MIT, the University of Chicago, Dartmouth, and the University of California at Los Angeles and Berkeley.

Also in Commerce, a Ph.D. student in the Division of Accounting and Management Information has won the doctoral fellowship awarded by the international accounting firm of Deloitte, Haskins & Sells. The firm has offered a fellowship in Canada for the past three years, and each time the winner has been a doctoral student in the UBC division. **Dr. Patricia Hughes** won it in 1980-81, **Dr. Peter Clarkson** in 1981-82 and last year's recently-announced winner was **Dr. Michael Stein.** The fellowship is worth $18,000. Deloitte, Haskins & Sells is a long-time supporter of accounting education and began the fellowship to encourage students to enter the field. There is a great shortage of qualified accounting faculty members in North America and a grave shortage of faculty in management education generally.

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**Steffania Ciccone,** associate professor in the Department of Hispanic and Italian Studies, was among the first five persons inducted into the Hall of Fame of Vancouver's Italian Cultural Centre in September.

Mrs. Ciccone, recognized for her contribution to Italian studies, has published a number of critical analytical texts of 18th-century Italian literature. She is currently president of the Vancouver branch of the international Dante Alighieri Society.

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Two members of the UBC faculty have been appointed by Vancouver City Council to the 28-member Vancouver Centennial Commission, which is planning events for centennial year, 1986. **Bob Hindmarch,** director of athletic and sports services at UBC, is chairman of the centennial sports program, and theatre professor **Norm Young** is chairman of the committee to liaise with public institutions.

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**Prof. Bryan Clarke,** head of the Department of Educational Psychology and Special Education in UBC's Faculty of Education, received an honorary degree Oct. 22 from the University of Saskatchewan. Prof. Clarke has an international reputation for his research on the education of hearing impaired individuals.

**Dr. Peter A. Larkin** has been awarded the 1983 Award of Excellence of the American Fisheries Society.

The association has made the annual award, its most prestigious honor, since 1969. Dr. Larkin is the fourth Canadian to receive it.

It was made for his "outstanding achievement in fisheries science and management."

Dr. Larkin, dean of the Faculty of Graduate Studies and Associate Vice-President for Research, is best known for his work on salmon and trout.

"Some awards are impersonal," he said. "But this one was from the same people that I drink beer with at scientific conferences. It's an award by colleagues who have spent a lifetime in the same line of work.

"I was really very pleased to receive it."

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Awards and distinctions have recently been bestowed on several members of UBC's Faculty of Dentistry.

**Dr. Douglas Yeo,** associate dean of the faculty, received the Distinguished Award for 1983 from the Canadian Dental Association, as well as an honorary membership in the association.

Assistant dean **Dr. Malcolm Williamson** received an Award of Distinction from the Academy of International Dentistry.

**Dr. William Wood** has been elected to membership in the Royal College of Dentists of Canada.

**Dr. Marica Boyd** was awarded a fellowship in the International Academy of Dentistry.

**Dr. Robert Priddy** has been appointed secretary-treasurer of the Canadian Academy of Oral Pathology.

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**Bob Seeley,** senior accountant in UBC's finance department, has been re-elected president of the Jericho Tennis Club for a second term. Mr. Seeley is ranked number one in masters singles tennis in B.C. for 1982-83.

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**Dr. Axel Meisen,** associate dean in UBC's Faculty of Applied Science, has been elected chairman of the Engineering Related Education Co-ordinating Committee dealing with all engineering and technological education matters in the province.

The committee has representatives from all B.C. universities, colleges and institutes as well as the Association of Professional Engineers of B.C. and the Society of Engineering Technologists of B.C.

It was formed in 1978 to co-ordinate expansion of post-secondary technical education and future roles of post-secondary educational institutions in B.C.

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**Prof. D.G. Kilburn** of UBC's Department of Microbiology has been appointed to the National Advisory Committee of Biotechnology, established recently by the federal government. He is one of 25 appointees from the private sector, universities and government.

The committee will advise science minister Donald Johnston on the development of biotechnology in areas such as energy, food, drugs, chemicals, plastics, mining and agriculture.

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**Dr. John Chase,** director of UBC's Office of Institutional Analysis and Planning, has been elected treasurer of the Association for Institutional Research (AIR). He took office at the association's recent 23rd annual forum in Toronto and will serve on the executive committee for a three-year term.

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**Prof. Wallace Berry** of UBC's music department is the 1983-84 recipient of an annual award made by the American Society of Composers, Authors and Publishers (ASCAP).

**Prof. George Knox** of UBC's fine arts department has prepared a 258-page catalogue for a major exhibition entitled *Piazzetta, A Tercentenary Exhibition of Drawings, Prints and Books*, currently on display at the National Gallery of Art in Washington, D.C.

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**Sandra Davies,** an assistant professor of visual and performing arts in the Faculty of Education, has recently been awarded a research and development grant from Multiculturism Canada for a project entitled "Music of our Lives." Mrs. Davies will be developing and testing resource materials concerning Japanese and East Indian cultures in Canada.

# New director will stress research

UBC's School of Social Work, one of the oldest social work schools in the country, is moving in new directions.

The man behind the changes is Dr. Glenn Drover, who became director of the school in July. Prof. Drover has an extensive background as a practicing social worker, government advisor and university teacher, researcher and administrator. He was formerly the director of the School of Social Work at Carleton University.

"UBC's social work school is well-established and has a solid national, and in some cases, international reputation," says Prof. Drover. "But I think there are areas within the school that could be developed, new fields where research should be carried out."

An increased focus on academic research is, in fact, one of the primary goals Prof. Drover has set for the school.

"It's not that faculty members in the school have a bad track record in terms of research, but in our field there is a heavy demand to solve specific problems for particular groups. I think it's important that we don't let that type of consulting become our whole function. We have some first-rate researchers in the school and I'd like to see a stronger research program developed."

Prof. Drover outlined four broad areas of research within the school.

"The strongest area by far is an area known as family and child welfare. UBC faculty have earned an international reputation in this field and I'd like to see high-quality work in this area continue.

"A second area, one that I feel has a lot of potential given the strength of the health sciences programs at UBC, is the area of health care. Many social workers end up working in health programs, but their contribution is relatively unresearched. I think we should be taking a more systematic look at where their work is effective and where it is not, particularly in the area of mental health, since that is where a lot of social workers tend to be employed.

"A third area of concentration is the area of social security and social administration. UBC has made some extremely significant contributions in this field on a national level. I'm thinking in particular of the work of the late Leonard Marsh, whose 1943 'Marsh Report' became a key document in the development of Canadian social security programs, and more recently, Richard Splane, who was associated with the development of the Canada Assistance Plan, a major financing mechanism for social services.

"A final area where faculty are involved, but where I would like to see more focus, is the area of human rights and community studies."

The School of Social Work offers undergraduate and graduate degrees. There is a basic four-year program in which students take two years of liberal arts courses and then focus for the final two years on social welfare and social work; a one-year program which also leads to a Bachelor of Social Work degree for students who already hold an undergraduate degree; and a master's program.

"Another development I would like to see in the school is the creation of a doctoral program," says Prof. Drover. "The strongest research tends to be done when you have people dedicated to single areas of research. One can take a graduate program so far at the master's level, but one has to keep in mind that it is a one-year program, and most of those enrolled in the program are here to develop some specialization in an area of interest."

A concern that Prof. Drover has about the school is that is is geographically isolated from the rest of the campus (it is located across Northwest Marine Drive on Cecil Green Park Road in a house given to the University by a benefactor, the late F. Ronald Graham).

"I would like to establish closer links with the rest of the campus in terms of participation on administrative committees, involvement in campus activities and I'm particularly interested in forming links with colleagues in other UBC departments for the purpose of joint teaching and research, where appropriate."

Prof. Drover adds that the school's relationship with the social work profession is very strong.

"Faculty members in the school spend a great deal of time serving as consultants and advisors to both government and volunteer agencies, organizing conferences and seminars and serving on policy committees, etc.

"Roop Seebaran, a member of our school, is currently president of the B.C. Association of Social Workers." (Prof. Drover is president of the Canadian Association of Social Workers.)

"Our faculty members are visible on an international level as well," says Prof. Drover. "Three in particular, Richard Splane, Ben Chud and Richard Nann, have been instrumental in bringing the International Conference on Social Welfare, the largest single gathering of people interested in social welfare, to Montreal in 1984. The conference, which is held on a biennial basis, was last held in Canada 26 years ago."

# Bookstore sale ends this week

You'll have to hurry if you want to catch the book event of the year.

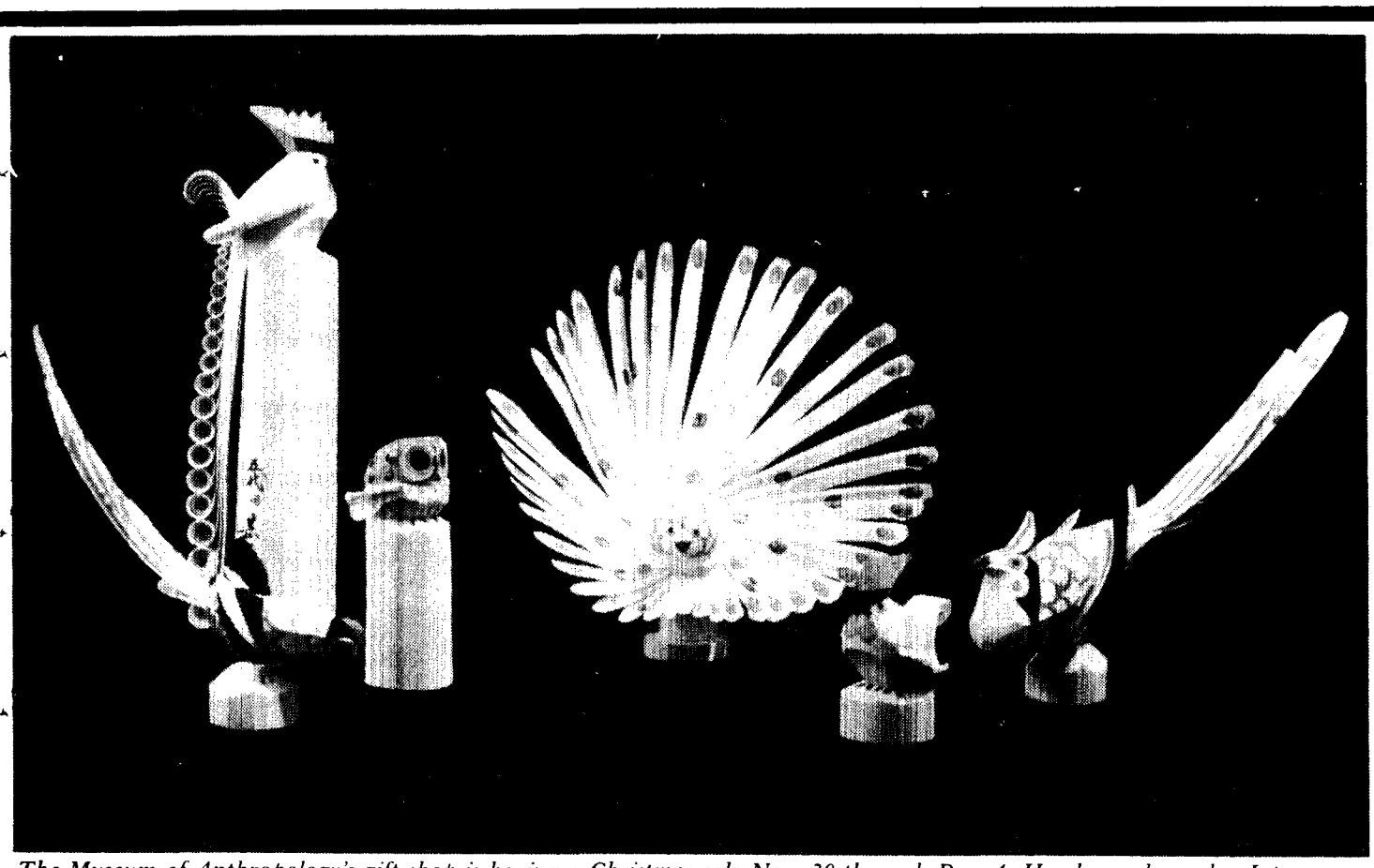
It's the 'annual' UBC Bookstore sale — the first in three years — and it ends Saturday.

It used to be held in Brock Hall and it attracted thousands of bargain-hunters from the campus and points east. As the sale wound down, books remaining often were sold by the foot.

When space in Brock was re-allocated three years ago, the sale was abandoned because there was just no practical site. Construction of the new Bookstore has meant the return of the sale, which opened Nov. 21.

Sale tables include books of every variety — fiction, classics, art, cookbooks, children's books, textbooks and reference books, hard covers and paperbacks — and all at bargain prices.

The Bookstore is open until 8:30 tonight, from 8:30 a.m. to 8:30 p.m. tomorrow and Friday, and from 9:30 a.m. to 5 p.m. Saturday.



*The Museum of Anthropology's gift shop is having a Christmas sale Nov. 30 through Dec. 4. Handcarved wooden Japanese birds, Indonesian dolls, and silver and copper wedding chains from South America are among the folk crafts from around the world which will be on sale. Items are on sale from noon to 5 p.m. in the upper lounge of the museum.*

# 74 students receive Alumni awards

Seventy-four UBC students from throughout B.C., the United States and Alberta, have been awarded scholarships and bursaries by the UBC Alumni Association.

The students were honored at a reception held by the alumni association's scholarships and bursaries committee on Nov. 23 at Cecil Green Park.

Most of the students were recipients of Norman MacKenzie Alumni Scholarships, worth $750 each. The scholarship honors Dr. Norman MacKenzie, president of the University from 1944 to 1962. Dr. MacKenzie was a special guest at the reception.

The scholarships are awarded for high scholastic achievement (minimum 75 per cent average) and outstanding personal qualities and distinction as exemplified by service to others and participation in school or community activities. Thirty-five of these scholarships are awarded to students from different regions of British Columbia.

Several Walter H. Gage bursaries, named for the University's sixth president and given on the basis of financial need and academic standing, were also awarded. Other scholarships awarded were the Jennie Gillespie Drennan Memorial Scholarship, the President Douglas T. Kenny National Alumni Scholarship, the Frank Gnup Memorial Scholarship, the Stanley Arkley Scholarship in Librarianship, and the John B. MacDonald Alumni Bursary.

Louise Grant of the Alumni Association's scholarships and bursaries committee paid tribute to the hundreds of alumni volunteers who helped raise money for the scholarships.

She said that today the scholarships are more important than ever. "The economic difficulties facing today's students coupled with an increase in tuition fees make scholarships and bursaries increasingly important. The Alumni Association has made it a major goal to help increase its aid to students."

The association gives out $106,000 in scholarships and bursaries each year. Recently it began a three year campaign to raise $1.4 million to establish an endowment fund as a guaranteed source of funding for these scholarships.

# Retirees have enjoyed careers at University

Two women who are retiring after more than 20 years at UBC are high in their praise of the University.

Although she spent 10 years as a farmer and nine years as a civil servant in Britain before coming to UBC in 1960, Joan Wilson-Brown of Purchasing says simply, "This has been my life."

And Bernice Lemasurier of the Faculty of education, who also joined UBC in 1960, says, "It's been a joy being out here. It has been a privilege to work here."

Mrs. Wilson-Brown, office manager of the Purchasing Department and tax analyst for the University, monitors every one of the 150 daily purchase orders to see where tax savings might be made. Much of this is in the way of rebates on taxes paid, such as the 1.36-per-cent rebate applicable on federal tax paid on all new construction.

And it mounts up. Since 1972, in fact, the University has recovered more than $1 million through Mrs. Wilson-Brown's efforts.

She estimates that there is some kind of tax break involved in 90 per cent of UBC's purchase orders.

Today (Nov. 30) is Mrs. Wilson-Brown's final day at UBC, but she'll keep her hand in as a tax consultant. An early client is TRIUMF. She is also planning an extended trip to Britain and continental Europe in the spring with her retired husband.

Ms. Lemasurier, who ends her campus career Dec. 7, plans to remain active with volunteer work, possibly with the Vancouver Art Gallery or in a hospital boutique. She'll also take up golf again after an absence of 20 years, and hopes to still have time for reading — biographies and autobiographies.

As a program advisor in the undergraduate division of the Faculty of Education, she notes that times have changed in education over 20 years.

She says teachers were needed in the 1960s and it was just a case of getting students into the stream.

Today, she says, the first question asked is, "Is there a job out there for me?"

Another Nov. 30 retiree is Stores helper Jim Lee, who has been with Physical Plant since 1970.

*Joan Wilson-Brown . . . saved UBC more than $1 million.*

# Holiday closures noted

Here are some dates you should keep in mind over the Christmas season at UBC.

The University will be closed on Monday, Dec. 26, and Tuesday, Dec. 27, for the Christmas and Boxing Day holidays and on Monday, Jan. 2, for New Year's Day.

The last day of classes for most faculties is Friday, Dec. 9, and Christmas examinations begin the following Monday (Dec. 12). The last day for exams for most faculties is Dec. 21.

Classes for the second term begin on Tuesday, Jan 3.

Changes in Food Service hours in December are as follows:

The Arts 200 (Buchanan), Edibles (Scarfe) and Ponderosa snack bars close Dec. 9; Yum Yum's at the Auditorium closes Dec. 16; the Barn coffee shop and the IRC snack bar close Dec. 21; the Bus Stop coffee shop closes Dec. 21 and will reopen Dec. 28 to 30; and the SUBWay cafeteria will remain open with restricted hours until Dec. 24.

All units reopen on Jan. 3.

For information on Library hours during the month of December, call 228-2077.

# 7 contest staff spot on Board

Incumbent Bill Morrison and six others are contesting the staff position on the UBC Board of Governors.

A mail ballot is being conducted by the Registrar's Office. All fulltime employees who are not members of faculty are eligible to vote. Ballots must be returned by Dec. 15.

The person elected will serve for a three-year period from Feb. 1, 1984.

Mr. Morrison, a senior technician in the Department of Physics, is being challenged by:

Gerald T. Copeman, a stores technician at TRIUMF; Marcel Dionne, a senior buyer in the Purchasing Department; Victor Doray, director of Biomedical Communications; Donald Farquhar, a physician in the Student Health Service; Harvey Goldman, an engineering technician in the Faculty of Dentistry; and Rayleen Nash, administrative assistant in the Faculty of Graduate Studies.

# Honeywell looks ahead, offers $$$

Honeywell Ltd. is offering $4,500 in prizes in a Futurist Awards Competition that is open to students at Canadian colleges and universities.

Entrants are asked to predict the most significant developments of the next 25 years in any two of the following areas:

Computers, energy, software development, computer-aided learning, biomedical technology, and electronic communications — as well as the societal impact of these changes.

A panel of Honeywell and outside experts will award three $1,000 prizes and three $500 prizes, based on originality and feasibility.

Application forms are available from the UBC Awards Office in the General Services Administration Building. Completed entries must be postmarked no later than Dec. 31, 1983.

Winners will receive their awards in Toronto next March, with all expenses paid by Honeywell.

# UBC CALENDAR

## Calendar Deadlines

Our next issue of *UBC Reports* will appear on Dec. 14 and will be the last issue for 1983. The calendar section of that issue will cover events in the period Dec. 18 through Jan. 7. Material for this period must be submitted not later than 4 p.m. on Dec. 8. Send notices to Information Services, 6328 Memorial Rd. (Old Administration Building). The first issue in January will be on Jan. 4 and will cover events in the weeks of Jan. 8 and 15. For more information, call 228-3131.

## SUNDAY, DEC. 4

### Women's Basketball.

UBC vs. Belco Electric, Seattle. War Memorial Gym. 2 p.m.

### AMS Speaker.

*Carribbean Affairs and the Recent Granada* Invasion. Michael Manley, former Jamaican Prime Minister. Admission is $6 regular, $5 for students. For more information, call 228-5336. Ballroom, Student Union Building. 7:30 p.m.

## MONDAY, DEC. 5

### Mahlzeit.

Mahlzeit. Come and sing. Deutsche Weihnachtslieder soprano Joni Alden. Upper Lounge, International House. 12:30 p.m.

### The Pedersen Exchange.

An opportunity for any member of the University community to meet with President George Pedersen to discuss matters of concern. Persons wishing to meet with the president should identify themselves to the receptionist in the Librarian's office, which is immediately to the left of the main entrance to the Main Library building. 3:30 to 5 p.m.

### Mechanical Engineering Seminar.

Experiments with Composite Cylinders. M. Venugopal. Room 1202, Civil and Mechanical Engineering Building. 3:30 p.m.

### Zoology Physiology Group Seminar.

Quantitative and Qualitative Comparisons in Comparative Physiology. Dr. A.A. Heusner, Physiological Sciences, University of California, Davis. Room 2449, Biological Sciences Building. 4:30 p.m.

## TUESDAY, DEC. 6

### Faculty Women's Club.

A Christmas Celebration. Babysitting available. General meeting, luncheon, carol singing and boutique and white elephant sale. Cecil Green Park. 10 a.m. to 2:30 p.m.

### Botany Seminar.

The Control of Hydrolytic Enzyme Synthesis in Cereal Aleurone. R.L. Jones, University of California. Room 3219, Biological Sciences Building. 12:30 p.m.

### Oceanography Seminar.

Observation and Simulation of Circulation in Sooke Basin. Dr. Warren Wolfe, Mathematics, Royal Roads Military College, FMO Victoria, B.C. Room 1465, Biological Sciences Building. 3 p.m.

### Chemistry Lecture.

Bacterial Cell Surface Macromolecules: Purification, Functional Characterization and Immunochemistry. Prof. R.E.W. Hancock, Microbiology, UBC. Room 250, Chemistry Building. 4 p.m.

### Physics Colloquium.

Neutron Scattering and Magnetism. A.R. MacKintosh. University of Copenhagen. Room 201, Hennings Building. 4 p.m.

### Biochemical Discussion Group Seminar.

Relationships between Gene Structure and Three-Dimensional Protein Structure. Dr. Robert Fletterick, Biochemistry and Biophysics, University of California, San Francisco. Lecture Hall 1, Woodward Instructional Resources Centre. 4 p.m.

### Family Housing Film.

Make Mine Music. Auditorium, Student Union Building. 6:30 p.m.

## WEDNESDAY, DEC. 7

### Pharmacology & Therapeutics Seminar.

Targets for the Design of Antiviral Agents: Genital Herpes. Dr. Steven Sacks, Infectious Diseases, Medicine, UBC. Room 317, Block C, Medical Sciences Building. 12 noon.

### Noon-Hour Concert.

Repercussion. Montreal-based percussion ensemble. Ticket information at 733-0113. Recital Hall, Music Building. 12:30 p.m.

### Chemical Engineering Seminar.

Solar Energy Storage by Encapsulated Glauber's Salt in a Liquid Fluidized Bed. Zeki Z. Sozen, Chemical Engineering, UBC. Room 206, Chemical Engineering Building. 2:30 p.m.

### Statistics Workshop.

A Mean Square Error Criterion for the Design of Experiments. Dr. William Welch, Commerce, UBC. Room 223, Angus Building. 3:30 p.m.

### Geography Colloquium.

Transformation of the Canterbury Plains, New Zealand. G. Wynn, Geography, UBC. Room 201, Geography Building. 3.30 p.m.

### Preventive Medicine Seminar.

The Department of Family Practice's New Division of Behavioural Medicine. Dr. Carol Herbert, Medicine. Room 112, James Mather Building. 4 p.m.

### Animal Resource Ecology Seminar.

Cycles: Ancient and Modern. Dr. Dennis Chitty, professor emeritus, Zoology, UBC. Room 2449, Biological Sciences Building. 4:30 p.m.

### Concert.

Repercussion. Montreal-based percussion ensemble. Ticket information at 733-0113. Recital Hall, Music Building. 8 p.m.

## THURSDAY, DEC. 8

### Faculty Club Luncheon.

Members Christmas buffet luncheon. Cost is $9. Served from 11:30 a.m. to 2 p.m.

### UBC Symphony Orchestra.

Music of Webern, Mozart and Brahms. Jocelyn Colquhoun, clarinet. Directed by Glen Fast. Old Auditorium. 12:30 p.m.

### Geological Sciences Colloquium.

Oxic and Anoxic Diagenesis of Diterpenes in Lacustrine Sediments. Dr. M.A. Barnes, Geological Sciences, UBC. Room 330A, Geological Sciences Building. 12:30 p.m.

### Condensed Matter Seminar.

Dynamics of Crystal Growth. James Langer, Institute for Theoretical Physics, Santa Barbara. Room 318, Hennings Building. 2:30 p.m.

### Mathematics Colloquium.

Global Solutions of Semilinear Elliptic Problems. Prof. C.A. Swanson, UBC. Room 1100, Mathematics Annex. 3:45 p.m.

### Computer Science Colloquium.

The Closed World Assumption. Prof. Ray Reiter, Computer Sciences, UBC. Room 301, Computer Sciences Building. 4 p.m.

### UBC Exercise Group Seminar.

The Cross-bridge Mechanism in Skeletal Muscle: Studies on Single Muscle Fibers. Dr. B.H. Bressler, Anatomy, UBC. Seminar Room, John Owen Pavilion, Sports Medicine Clinic. 4:30 p.m.

### Concert.

Repercussion. Montreal-based percussion ensemble. Ticket information at 733-0113. Recital Hall, Music Building. 8 p.m.

## FRIDAY, DEC. 9.

### Faculty Club Luncheon.

Members Christmas Buffet Luncheon. Cost is $9. Served from 11:30 a.m. to 2 p.m.

### UBC Symphony Orchestra.

Music of Webern, Mozart and Brahms. Jocelyn Colquhoun, clarinet. Directed by Glen Fast. Old Auditorium. 8 p.m.

### Lecture.

Gioia Timpanelli, broadcaster, writer, and performing poet presents an evening story performance on Fairy Tales: Their Meaning for Today. She will also present a workshop on Saturday, Dec. 10. Cost for the lecture is $5, $4 for students. For more information, call 222-5261. Lecture Hall 6, Woodward Instructional Resources Centre. 8 p.m.

## SATURDAY, DEC. 10

### Family Housing Film.

Make Mine Music. Auditorium. Student Union Building. 3 p.m.

## MONDAY, DEC. 12

### Cancer Research Seminar.

5-Fluorouracil: From Placebo to Treatment. Dr. A. Shah, Medical Oncology, Cancer Control Agency of B.C. Lecture Theatre, B.C. Cancer Research Centre, 601 W. 10th Ave. 12 noon.

### The Pedersen Exchange.

An opportunity for any member of the University community to meet with President George Pedersen to discuss matters of concern. Persons wishing to meet with the president should identify themselves to the receptionist in the Librarian's office, which is immediately to the left of the main entrance to the Main Library building. 3:30 to 5 p.m.

### Faculty Chamber Music Concert.

Music of Vinter, Reinecke and Thuille. Brian G'Froerer, French Horn, Michael Borschel, Clarinet, Robert Rogers, Piano, Tony Nickels, Oboe and John Gaudette, Bassoon. Recital Hall, Music Building 8 p.m.

## TUESDAY, DEC. 13

### Dorothy Somerset Studio.

The Dorothy Somerset Studio presents Elanor Marx, a new play by Leonard Angel, directed by Charles Siegel. Continues through Dec. 17. Admission is $5, $4 for students and seniors. For reservations, call 228-2678. Curtain time is 8 p.m. weekdays, 5:30 and 8 p.m on Saturday.

## WEDNESDAY, DEC. 14

### Obstetrics & Gynaecology Seminar.

Cyclic GMP and $\beta$-Adrenergic Stimulation of Brown Adipocytes. Dr. J. Skala, Paediatrics UBC. Room 2N9, Grace Hospital. 12 noon.

### Pharmacology & Therapeutics Seminar.

Studies on Rubella Virus. Dr. Shirley Gillam, Pathology, Faculty of Medicine, UBC. Room 317, Block C, Medical Sciences Building. 12 noon.

### Anatomy Seminar.

Human Lung Growth and its Control. Dr. W.M. Thurlbeck, Laboratory Medicine and Pathology, UBC. Room 37, Block B, Medical Sciences Building. 12:30 p.m.

### Faculty Club.

Pre-Senate Buffet Dinner. Cost is $9. Reservations required. Faculty Club. 5:30 p.m.

## THURSDAY, DEC. 15

### Psychiatry Lecture.

The Use of Restricted Environmental Stimulation in Behavioral Medicine. Prof. P. Suedfeld, Psychology, UBC. Room 2NA/B, Psychiatric Unit, Health Sciences Centre Hospital. 9 a.m.

### Biomembrane Group Lecture.

Structure and Functional Reconstitution of Sodium Channels from Rat Brain. Dr. William A. Catterall, Pharmacology, University of Washington, Seattle. Lecture Room B, Block B, Medical Sciences Building. 4 p.m.

### Occupational Health Symposium.

An Occupational Study of Painting Trades Workers. Dr. Heather Stockwell, Cancer Epidemiologist, Johns Hopkins School of Public Health. Room 253, Mather Building. 4 p.m.

# Notices . . .

## Museum of Anthropology

**Christmas Sale:** Handcarved Japanese wooden birds, Indonesian dolls, and silver and copper wedding chains from South America are among *the folk crafts from around the world* which are on sale at the museum's Christmas sale, Nov. 30 to Dec. 4. Items are on sale from noon to 5 p.m. in the upper lounge of the museum.
**Exhibit:** An exhibit entitled Museum Quality features more than 100 art works and artifacts that have been purchased for the museum with support from the Anthropology Shop volunteers. The exhibit continues through Jan. 15.
**Sunday Concerts:** Dec. 4 — Classical East Indian violin music, with Davinder Hundle, violinist, accompanied by tamboura, sarod and tabla. Dec. 11 — Christmas Choral Music performed by the University Chamber Singers. Both concerts at 2:30 p.m., free with museum admission.
**Sunday Programs:** The Museum is sponsoring three hands-on programs every Sunday until May entitled Copper, Salmon, Cedar: Glimpses of Wealth on the Northwest Coast. The programs are as follows: The Life-Giving Cedar, at 1 p.m.; Harvesting the Sea: Fishing, at 2 p.m.; The Potlatch: Past and Present, at 3 p.m. Programs are free with museum admission.

## Dance Instruction

UBC's School of Dance is accepting registrations for dance classes for grades 7, 8 and 9. Fee is $36 per month, classes are 4:30 to 6 p.m. Tuesdays and Thursdays. For more information, call Community Sport Services at 228-3688.

## Food Service Hours

During the Christmas season there will be the following changes in Food Service hours: Arts 200 (Buchanan), Edibles (Education) and Ponderosa snack bars will close Dec. 9; Yum Yum's at the Auditorium will close Dec. 16; the Barn coffee shop and the IRC snack bar close Dec. 21; the Bus Stop coffee shop will close Dec. 21 and reopen Dec. 28 to 30; and the SUBWay cafeteria will remain open with restricted hours until Dec. 24. All units reopen on Jan. 3.

## Christmas Bakeshop

The Christmas bakeshop counter in the SUBWay cafeteria will be open weekdays from noon to 5 p.m. Dec. 1 to 20. For advance orders or catering services, call 228-2018.

## Faculty/Staff Badminton Club

The club meets in Gym B of the Osborne Centre on Tuesday evenings from 8:30 to 11:30 p.m. and Friday evenings from 7:30 to 10 p.m. New members welcome.

## 'Foth' Back to Sign

UBC grad Allan Fotheringham, columnist and author, returns to the campus on Friday, Dec. 2, to autograph copies of his new book, *Look Ma . . . No Hands*, a satirical look at the Progressive Conservative party of Canada. He'll be in the Bookstore from 12:30 to 1:30 p.m. The book costs $16.95 and you can reserve copies through the Bookstore, 228-4741.

# NEW AWARDS

**Chemical Institute of Canada, Vancouver Section Prize** — A prize in the amount of $50 has been made available by the Chemical Institute of Canada, Vancouver Section, to the student who obtained the highest standing in the first year Chemistry course at UBC and who is maintaining satisfactory progress in Chemistry. The recipient will be chosen in January. The award will be made on the recommendaton of the chemistry department. (Available in the 1983/84 winter session.)

**Lawson, Lundell, Lawson & McIntosh Service Scholarship** — The firm of Lawson, Lundell, Lawson & McIntosh, Barristers & Solicitors, will *provide a scholarship for students proceeding* from the second to third year of studies in the Faculty of Law.

**Magnus J.B. Peterson Memorial Bursary in Anthropology** — Bursaries to a total of approximately $2,200 per annum have been made available by the late Magnus Julius Benedict Peterson. The awards will be made to anthropology students in the Department of Anthropology and Sociology. Preference will be given to undergraduates. (Available in the 1984/85 winter session.)

FIRST CLASS MAIL

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