

**Arbitration award**

# Faculty wins 4.9% salary increase

By GAVIN WILSON

Members of the Faculty Association have won a general pay increase of 4.9 per cent as well as additional salary and benefit increases in an arbitration award handed down on April 17.

The award, binding on both parties, calls for phased in pay increases beginning July 1, 1988, as proposed by the university in negotiations. The agreement covers the 1988-89 term and expires June 30.

The arbitration board also called for the creation of a salary equity adjustment

fund of \$1,125,000. This fund will be distributed to full and associate professors under a formula proposed by the Faculty Association.

An additional \$28,000 was added to the university's proposed gender inequity fund, bringing it to a total of \$125,000.

The additional expenditures, which go beyond what was budgeted for in the fiscal year, may mean further cuts in university spending, said Albert McClean, Associate Vice-President, Academic.

The total award package represents for the university an increase of nine per cent

in faculty salaries and benefits. But only an additional eight per cent was budgeted to cover the anticipated increase.

"Basically, we are pleased that the award substantially upheld the university's position," McClean said. "But we are disappointed that they added the extra amounts. The university's position was that the amount we offered represented the very limits of our ability to pay."

John Cragg, head of the Faculty Association's bargaining committee, also expressed disappointment with the award.

"The association is glad that the arbitra-

tion panel recognized the case for a special equity salary provisions, but we're disappointed in the amount. We're way behind our counterparts at other institutions," he said.

Cragg said the arbitration panel of Stephen Kelleher, Hugh Ladner and Leon Getz was too strongly swayed by consideration of the university's ability to pay, a condition placed on them under the terms of arbitration set out in the Framework Agreement.

The Framework Agreement states that

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## Robert Will resigns as Dean of Arts effective June 30

By PAULA MARTIN

Dean Robert Will of the Faculty of Arts will step down from his post on June 30, 1989.

Associate deans John Stager, Anne Piternick and Jonathan Wisenthal have also tendered their resignations, clearing the way for a new dean to appoint his or her own staff.

Will, who was appointed dean in 1975 and reappointed to a six-year term in 1985, will return to full-time teaching in the Department of Economics, following a year-long leave of absence.

"I respect Dean Will's decision to resign before his term is up," said President David Strangway. "I share his commitment to excellence for UBC and will continue to support the goals he worked towards."

"In his demanding administrative post, Dean Will has advanced the quality and defended the integrity of UBC's arts program, one that is crucial to the life of any university," Strangway added.

The search for a successor to Dean Will has already begun, said Daniel Birch, Vice-President, Academic and Provost.

"We'll be establishing a President's Advisory Committee for the selection of a new dean, which I will chair," he said.

The advisory committee will be made up of four faculty members elected from the Faculty of Arts, two students elected from the faculty and four people named



Robert Will

by President Strangway.

The Registrar's Office will supervise the election of committee members.

The committee will engage in a search and recommend one or more candidates for the position, Birch added.

In the meantime, Birch is seeking advice from Arts heads and directors on a candidate to take over as acting dean on July 1.

An economist, Will joined the UBC faculty in 1957. He became a professor in the Economics department in 1969 and was also appointed assistant dean that year.

Prior to becoming dean in 1975, he was acting dean for a year.



The University of British Columbia, Vancouver, B.C.

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### 'Suitable support network'

## \$300,000 set for bursaries

By PAULA MARTIN

UBC President David Strangway has earmarked \$300,000 for an emergency student bursary program which will begin in September.

The allocation from the university's operating budget will provide emergency bursaries for students who are most seriously affected by a 10 per cent tuition fee increase, which takes effect this Fall.

"There may well be some students for whom an increased tuition fee is a problem," Strangway said. "We want to

ensure that there is a suitable support network in place."

The criteria for awarding the emergency bursaries will be finalized over the summer months by the Awards and Financial Aid Office.

The \$300,000 allocation will deal with emergency student aid on a short term basis, while a student bursary endowment fund now being set up will ensure there is help over the long term, Strangway said.

The principal of the endowment fund

will come from parking fine revenues collected on campus -- an idea proposed by student representatives earlier this year during a meeting with Strangway and other senior administrators.

About \$100,000, or two-thirds of the fines collected annually, will go into the fund, which will build to \$1-million after 10 years.

The income generated on the principal of the fund each year will be used for emergency student bursaries. The criteria for these awards will also be worked out over the summer months.

## Senate adopts guidelines for college degrees

By GAVIN WILSON

Senate has adopted guidelines to ensure high academic standards for UBC degree-completion programs offered at Interior colleges.

Under the Access for All program announced in March by the provincial government, UBC will offer third- and fourth-year programs leading to undergraduate degrees at Okanagan and Cariboo colleges. The programs will begin as early as this September.

The set of guiding principles approved at the April Senate meeting outlines the academic steps the joint ventures will require.

Richard Tees, chairman of the committee that presented the guidelines, said while guiding principles are essential in such agreements, it is too early to provide details of how they will work in practice.

"We have to have some experience with this type of program first before we see how these guidelines will be put into effect," he said.

Arts Dean Robert Will said the guidelines could be seen as safety valves that may be eased as confidence is built between faculties at UBC and the colleges.

"The integrity of our degrees is foremost in our minds," he said.

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As 6,000 litres of water rush down a 70-foot flume in the engineering lab, simulating the eroding effects of ocean waves, Civil Engineering Professor Michael Quick measures how the water currents move the sediment. The information gathered by Quick's experiments is valuable to marine consultants and others who are trying to protect coastline areas for recreational and marine use.

# UBC researchers training Canadian astronauts

By GREG DICKSON

Canadian astronauts Roberta Bondar and Ken Money will spend four days at University Hospital next week training with UBC researchers.

The astronauts will learn to perform two experiments, one that involves a technique designed to separate living cells in space, and another to determine why back pain is a problem in weightless conditions.

UBC Pathologist Dr. Don Brooks has been working with NASA for 10 years developing the cell separation experiments, which involve mixing liquids such as oil and water.

"There is no weight difference in space. We're looking at how the liquids mix and unmix in the absence of gravity. If we can separate liquids, we should be able to separate cells," he said.

Dr. Brooks' experiment could lead to advances in the treatment of cancer, diabetes and a variety of other diseases, as well as new biotechnical industries in space and on Earth.

The astronauts will also train with Dr. Peter Wing's back pain research team at University Hospital-Shaughnessy Site.

Dr. Wing, Head of Orthopaedics, will orient the astronauts in experiments designed to determine why back pain is a common problem in space.

"It's the second most common problem in space after motion sickness," said



Bondar

UBC investigator Lark Susak.

Astronauts' spines increase in height 4.5 to 6.5 centimetres under weightless conditions. For this experiment, their backs will be photographed from different angles to record changes in height and curving.

The astronauts will also fill out diagrams called pain drawings to describe how they feel, where the pain is centred, and what conditions make it worse or better.

Both experiments are scheduled for a space shuttle mission in February, 1991.



Money

## Hardier seedlings needed

# New forest group set up

By JOMOSS

A new UBC research group wants to boost B.C.'s reforestation efforts by finding out how to better equip tree seedlings for life outside the greenhouse.

On certain sites, as many as 80 per cent of transplanted nursery seedlings initially don't grow as well as expected. And the reasons why often aren't apparent to foresters or scientists.

Inadequate growth costs the industry millions of dollars annually and weakens the future potential of the forests.

The Western Forest Regeneration Research Group (WESTFORR) was set up at UBC in April to address some of these forest renewal concerns.

Members of the unique group are: Forestry Professor Hamish Kimmins; former Botany research associate Edith Camm; and three new faculty members Phil Burton, Chris Chanway and Robert Guy. WESTFORR research is supported by the provincial government's Centres of Excellence program.

WESTFORR researchers will undertake basic research in seedling physi-

ology and ecology with an eye to producing a better seedling.

"We want to find out exactly what the seedling is experiencing," Kimmins explained. "There are certain differences between our nursery stock and what nature does." Researchers don't know why nature sometimes does it better.

And while foresters view competing vegetation as the major impediment to reforestation. A stronger seedling, rather than weed control, may be an answer to the problem, Kimmins said.

"There's been a tendency to focus on the bad guys, the weeds. If we could plant really big, strong seedlings and give them a kick in the pants to get them going, make them big, tough guys, they can look after themselves out on the streets," Kimmins said.



Kimmins

One answer to a better seedling may be biological fertilizers. WESTFORR researchers will investigate natural microbes which can manipulate seedling growth—encourage them to grow bigger roots, for example.

It's thought that how seedlings are grown, handled and stored in the nursery may adversely affect their survival rate on site. WESTFORR researchers will investigate whether cramped conditions in greenhouses stunt root and stem growth, putting the seedling at a disadvantage when competing vegetation for nutrients once outdoors.

Even planting in cold soils may retard seedling growth and development, Kimmins said.

WESTFORR researchers believe seedlings may go into a state of shock after planting.

"It has been sitting in a nursery where it's watered and fertilized. Suddenly it's on a sub-alpine site half way up a mountain," Kimmins said.

Nursery seedlings are just one aspect of forest renewal the WESTFORR group will study. Vegetation management and natural regeneration are others.

With recent legislation putting the costs of reforestation directly on industry, forest companies are taking a second look at low-cost, natural regeneration. But little is known about how natural regeneration occurs. And up to now, forest management practices haven't taken it into account.

"In the past, we've just walked away and said nature will do it," Kimmins said. "We're going to have to move towards harvesting systems that facilitate natural regeneration in the future."

WESTFORR research will also look at how the next generation of trees will fare if the earth's temperature warms up as predicted.

Scientists are predicting global temperatures will rise between 1.5 and 4.5 degrees Centigrade, perhaps in the next 40 years. From the point of view of a life span of a tree, Kimmins says, that increase is far too rapid.

Kimmins says any solutions WESTFORR researchers come up with will have to take global warming into account.

"It's a broader framework within which the group intends to look at specific problems," he said.

## Beatty promises action on Beiser proposals

By GREG DICKSON

National Health and Welfare Minister Perrin Beatty has promised to follow up on recommendations in a task force report on immigrant mental health by Dr. Morton Beiser, a UBC Psychiatry professor.

Beatty said the report made it clear that Canada must do more for immigrants and refugees who are the victims of torture.

"It is clear from the task force report that we do not know enough about the psychological devastation caused by torture or how to help refugees who have had these terrifying experiences," said Beatty.

He said he would ask the Canadian Centre for Victims of Torture to propose specific research on how torture affects the mental health of refugees. He will also ask the centre to suggest effective treatment strategies.

The Beiser report found that the number

of torture victims in Canada and the extent of the problem has probably been underestimated. It asked the minister to fund further research into the psychological consequences of torture.

The Beiser task force also asked the government to set up special centres to train social and health service professionals in the treatment of immigrants, refugees and ethnic minorities in general.

Beatty expressed concern about the cost of the centres, but said a feasibility study would be done.

"Establishing centres of excellence can be very expensive. Still, I think the idea has merit and I would like to see it explored," he said.

The minister also promised to set up a special working group on multicultural health to advise federal and provincial ministries of health on issues brought up in the Beiser report, such as treatment and prevention of emotional distress in immigrants.

## Comment

# Reflections on retirement rules

By ALLAN EVANS

We can expect a ruling soon from the Supreme Court of Canada on whether or not mandatory retirement at age 65 violates the Canadian Charter of Rights. Section 15(1) of the charter guarantees every individual equality "before and under the law" and the right to "equal protection and equal benefit of the law without discrimination". The question the court must answer is whether mandatory retirement at a certain age diminishes a person's protection and benefit of the law.

The wording of the charter leaves room for some doubt, but prevailing opinion seems to be that the court will throw out mandatory retirement, and that it would be a good thing if it did.

But there are a few points to give us pause.

First, the law must apply equally to all age groups. If mandatory retirement is discrimination for the over 65s, laws preventing the young under 16 from driving, or those under 19 or 21 from entering pubs for a drink are no less discriminatory. Adolescents are capable of driving before they are 16, and of drinking under 19, and it will not do to argue that it is socially beneficial to prevent them.

Second, ruling against mandatory retirement will have the practical effect of giving the over 65s a right to their jobs as long as they want them, or until they can be persuaded to leave with a golden handshake. Any firm that dismissed an employee over 65 would lay itself open to prosecution, and the only legal defence open to it -- that the employee had grown incompetent with the passing years -- would be difficult

to prove. Better not to try.

Yet an employee in his 30s or 40s would have no such protection against dismissal or lay off. It is not likely that a man in his 30s who lost his job could prove he had suffered discrimination by reason of age. Yet he would be a victim of discrimination nonetheless, if those over 65 had a practical guarantee against dismissal and he did not.

Of course, we hear the argument that only a tiny percentage of the work force would want to work after 65. But this introduces another subtle discrimination. It is the employees whose jobs require no great physical exertion who can take advantage of the right to work past 65. Civil servants, white-collar workers, professors with tenure. Not professional athletes or truck drivers.

Let me be clear. There is nothing magic about a retirement age of 65. It could be 68 or 70. But giving the elderly the constitutional right to work until certifiable senility overtakes them gives them protection the rest of the work force lacks.

Justice and the human rights that go along with it depend on the continuation of a just society, which in turn demands equal rights for all members of the work force. Giving the over 65s a constitutional right to a job and a degree of protection against age discrimination that is denied to other age groups, would diminish the just society. And along with that, our respect for human rights in general would grow a little less.

ALLAN EVANS is head of the department of Classics at UBC. This article first appeared in the *Financial Post* on March 31.

## Implications considered

Continued from Page 1  
arbitrators must strike a "reasonable ratio" between faculty salaries and all other university expenditures. The board interpreted this to be 42.1 per cent of total expenditures, the figure resulting from the last freely negotiated collective agreement in 1987-88.

"We will have to look at the award more fully to see what the longer term implications of that might be," McClean said.

No change was made to standard funding for career progress, inequity,

anomaly and merit awards, which, taken together, total a further three per cent. Earlier in negotiations, both parties agreed to amend the pension plan to take into account changes in the Canada Pension Plan contributions.

The award also increased the annual minimum salary for librarians to \$26,030 from \$23,137. Sessional lecturers had their monthly salary increased to \$2,236 from \$2,132.

Meanwhile, the first round of negotiations for the 1989-90 contract began the first week of April and ended April 24.

## Faculty to offer courses

Continued from Page 1

The guidelines suggest that UBC determine student admission, promotion and graduation requirements, set examination and grading policy and award degrees. Diplomas may indicate where studies were completed.

The university will also set qualifications for instructors of upper level and professional courses, although appointments to college faculty will be made under the terms of the local collective agreement. UBC faculty will also offer courses, where necessary.

Senate agreed that funding for joint programs should be separate from the

general operating budgets of UBC and the colleges.

"There should be no direct or indirect cost assumed by UBC for participating in a new joint venture," the guidelines state, a principle the Ministry of Education has agreed to, said Daniel Birch, Vice-President, Academic.

The guidelines also said that special commitments should also be made to fund the development of additional library and laboratory resources at the colleges.

The goal, the guidelines said, should be to establish independent, degree-granting institutions in Kamloops and Kelowna within a decade.

## People

# 4 named to Royal Society

The Royal Society of Canada, the country's most distinguished learned society, has elected four UBC professors as fellows. They are:

**Geophysics Professor Garry Clarke:** Clarke was cited for his understanding of thermo-mechanics. He has become an international authority on thermal regimes of glaciers and the effect of temperature on glacier flow.



Clarke

of International Relations, for his international reputation for studies on Canadian oceans policy and pathbreaking work on international management and collaboration.

Founded in 1882, the Royal Society of Canada has more than 1,000 members from the humanities, social sciences and the sciences.



Zacher

year research project on the role, organization and future of public libraries in Canada.

**Bruce Woolley** has been named president and chief executive officer of the B.C. Development Corp. Woolley, a graduate of UBC's Law faculty, has been a visiting assistant professor in the Law faculty since 1986. A lawyer with Clark Wilson from 1978 to 1985, Woolley was in-house counsel for Cominco Ltd. and Expo 86 and has been corporate counsel and secretary to the B.C. Enterprise Corp. since last fall.

Association in board of management elections held in April.

**Longstaffe** will serve in that position for one year then automatically become association president for the 1990-91 term.



Longstaffe

A well-known supporter of the arts in Vancouver, Longstaffe has also been an active volunteer with St. Paul's Hospital, the Vancouver Economic Advisory Committee and the Canadian Club of Vancouver. He is currently chairman of the alumni committee of the UBC 75th Anniversary celebrations.

Also elected were three Members at Large: **Janet Calder**, executive assistant to the Regional Manager, Greater Vancouver Regional District; **Martin Cocking**, Liaison Officer with the UBC School and College Liaison Office; and **Curt Latham**, a family physician.

**Ann McAfee**, last year's Senior Vice-President, begins her one-year term as President at the Alumni Association's annual general meeting, to be held May 18 in Cecil Green Park mansion at 7 p.m.

**Chemistry Professor Edward Piers:** Piers has made notable contributions to the field of synthetic organ chemistry, both with respect to the synthesis of naturally occurring compounds and the development of new synthetic methods.



Piers

**Psychology Professor Jack Rachman:** The society lauded Rachman, a leading investigator in the areas of clinical psychology and behavioral medicine, for significant contributions to the assessment of the effects of psychotherapy.

**Political Science Professor Mark Zacher:** The society cited Zacher, director of the Institute



Bewley

**Lois Bewley**, a professor in the School of Library, Archival and Information Studies, has been awarded the 1989 Outstanding Service to Librarianship Award by the Canadian Library Association.

Bewley, who is on leave from the school, teaches in the areas of public libraries and library building and architecture.

She is widely recognized as Canada's leading expert on public library legislation.

Bewley is a former president of the Canadian Library Association and is participating in an eight-

The second annual Michael Ovenden Memorial Lecture was delivered at the Vancouver Planetarium April 24 by **James Oberg**, a noted author, NASA spaceflight engineer and one of the United States' foremost experts on the Soviet space program. The lecture series was initiated by the B.C. Space Science Society in 1988 in honor of Ovenden, a UBC professor emeritus who died two years ago. When Ovenden joined the university's department of Geophysics and Astronomy in 1966, he was B.C.'s first astronomer.

Vancouver businessman **Ronald Longstaffe** was elected Senior Vice-President of the UBC Alumni

## Equity policy goal is to ensure fair treatment for all

By PAULA MARTIN

A draft policy on employment equity and terms of reference for an advisory committee to oversee it have been drawn up for campus-wide comment.

The goal of the policy is to ensure that all UBC faculty and staff are treated fairly in the workplace, said Sharon Kahn, UBC's director of Employment Equity.

The primary consideration for recruitment of faculty and staff, the policy states, is individual achievement and merit.

## Library needs computers, McInnes says

The library on-line catalogue needs 10 times as many computer terminals as it currently provides, University Librarian Douglas McInnes told Senate at the April meeting.

Remote on-line access has recently been made available to all library card holders but only a limited number of terminals are in place in library buildings, McInnes said as he made an annual report to the university's academic governors.

Responding to a question from a student senator, McInnes said financial constraints have limited purchases of new equipment.

UBC, it adds, will ensure that equal opportunity is given to all those seeking employment, with emphasis on four target groups identified by the federal government -- women, visible minorities, native Indians and disabled people.

"It seems to me to be social justice -- that groups of people who have been denied opportunity should be granted the opportunity to compete, gain employment and be productive," said Kahn.

"Offering fair and full opportunity on campus will make this not only a better working environment, but also a better educational environment."

Kahn said the first step is to identify what UBC's workforce looks like through a census or survey.

"We have to find out who we are, what we look like and, more importantly, what we look like compared with the pool of qualified applicants."

A key component of the policy states UBC will identify and eliminate discriminatory barriers that interfere with employment opportunities in all jobs and levels throughout the university.

"We don't know whether we have discriminatory barriers in hiring, training and promotion, because we haven't got the hard data to say who makes up our workforce and we haven't done any kind of a review of our policy and practices," Kahn said.

Another objective is to increase the



Sharon Kahn

range of applicants for faculty and staff positions to reflect the diversity of the pool of potential candidates.

The final goal is to build a workforce that is representative of the pool of potential candidates, including the four target groups identified by Ottawa.

Terms of reference for the President's Advisory Committee on Employment Equity have also been drafted.

The committee will advise the president on matters relating to the employment equity policy. It will also advise on the preparation of a workforce profile of UBC faculty and staff, the analysis of that profile and the review of existing employment policies.

The committee will recommend steps to identify and eliminate any discriminatory barriers that block the participation in employment opportunities to the four target groups.

If you would like to review the draft policy on employment equity, or would like to be recommended as a member-at-large on the advisory committee, please contact Sharon Kahn, director of Employment Equity, President's Office, 228-5454.

## Shopping an addiction similar to alcohol, researcher concludes

By GAVIN WILSON

Some people are literally addicted to shopping, says a researcher in the faculty of Education.

Lisa Barnes, who recently completed a master's degree in counselling psychology, said that overspending can be a compulsive behavior similar to eating disorders or even alcohol and drug addiction.

Eighteen months of research convinced her that consumer debt is a society-wide problem and, for some, an emotional addiction that can be painful to beat.

Addicted shoppers wield credit cards "like magic wands," said Barnes. If they feel lonely or depressed, they buy something to make them feel better, regardless of need or expense.

But later, when these shopping addicts get home and face the bills, they feel guilt and remorse and the cycle begins anew.

"There are people who can't tell you their bank balance and they don't know what interest rate they're paying on their debts," said Barnes. "They don't want to know -- it's part of their denial."

Shopping addicts will not be cured by the financial advice they often receive, she warns. They need psychological counselling that gets to the root of the problem.

Unlike other addictions, shopping is sanctioned by our society. In fact, our consumer-driven economy encourages ever-increasing consumption and rewards extravagant purchases with social status, said Barnes.

In the 1950s, to be in debt was almost a sin. But today, even bankruptcy does not carry the shame it once did.

Barnes said the turning point was the credit explosion of the 1970s. The statistics tell the story: Canadians hold 14-million credit cards and owe \$7-billion in outstanding debt; 70 per cent of Christmas purchases are made with plastic; only one of every three credit card bills is paid in full.

As a result, Canadians have been transformed from penny-pinching savers into reckless spenders, said Barnes. The rate of savings has never been lower in Canada.

The provincial government's debtors assistance counselling service, which is struggling with a record caseload of 31,000 clients, is not equipped to handle the demand for their services, she said.

## Thai Princess to lecture

A Royal Princess from Thailand visits UBC May 9, the first stop in a month-long tour of Canada.

Princess Chulabhorn, who holds a PhD in organic chemistry, will give an informal academic lecture and attend a private luncheon during her brief visit to campus.

She will speak on research into the medicinal uses of plants in Thailand. Her lecture, to be held in IRC 6 at 10:30 a.m., is open to the public.

**SUNDAY, MAY 7**

**Holy Communion**  
Lutheran Campus Ministry. Lutheran Campus Centre, 5885 University Boulevard. 7:30 p.m.

**MONDAY, MAY 8**

**8 Ballroom Dance Lessons**  
1st Lesson. Instructors: Joris & Penny Bedaux. Beginners @ 7:30: the cha-cha and jive; Intermediates @ 8:30: the samba and the rumba. Fee: Non-students \$35; Students \$25; Drop in fee \$5. For information call 228-3203. Ballroom, Graduate Student Centre

**Cancer Seminar**  
Prospects for Proton Radiotherapy at Triumf. Dr. R. Kornelsen, Radiation Physics, Cancer Control Agency of B.C. For information call 877-6010. Lecture Theatre, B.C. Cancer Res. Centre, 601 W. 10th Avenue. Noon-1 p.m.

**TUESDAY, MAY 9**

**Friends of the Botanical Garden Special Lecture**  
Perennials Plus - The art of incorporating herbaceous perennials into a variety of landscapes. Pamela Harper, One of North America's eminent horticulturalists, noted lecturer, writer, photographer. Tickets \$5. For information call 228-3928. Lecture Hall #6, IRC Bldg. 8 p.m.

**WEDNESDAY, MAY 10**

**Video Teleconference**  
Using Technology in the Modern Language Classroom presented by California State U. (Chico) and the Computer Assisted Language Learning and Instruction Consortium (CALICO). Interact '89 will offer innovative applications and strategies in the use of video and audio technologies for teaching modern languages. For information call Carole Trepanier at 228-5058. Lecture Hall #4, IRC Bldg. 4-5:30 p.m.

**THURSDAY, MAY 11**

**Social Work Evening Lecture**  
Treating Families in the Work Place. Miriam Webber, MSW, Regional Employee Counsellor, Public Service Health, Health and Welfare Canada. Fee \$10. Preregistration necessary. For information call 228-2576. Lecture Hall A, School of Social Work. 7-10 p.m.

**FRIDAY, MAY 12**

**Obstetrics and Gynaecology Weekly Grand Rounds**  
Placenta Accreta. Discussion and Two Cases and Review. Dr. Stephen Hudson. D308, Shaughnessy Hospital. 8 a.m.

**Paediatrics Grand Rounds**  
Current Advances in Treatment of Spastic Diplegia. Dr. P. Steinbok, UBC. For information call 875-2117. Auditorium, G.F. Strong Rehab. Centre. 9 a.m.

**SUNDAY, MAY 14**

**Holy Communion**  
Lutheran Campus Ministry. Lutheran Campus Centre, 5885 University Boulevard. 7:30 p.m.

**MONDAY, MAY 15**

**8 Ballroom Dance Lessons**  
2nd Lesson. Instructors: Joris & Penny Bedaux. Beginners @ 7:30: the cha-cha and jive; Intermediates @ 8:30: the samba and the rumba. Fee: Non-students \$35; Students \$25; Drop in fee \$5. For information call 228-3203. Ballroom, Graduate Student Centre

**Cancer Seminar**  
Non Standard Fractionation in Radiotherapy. Dr. Jack Fowler, Professor of Human Oncology, U. of Wisconsin. For information call 877-6010. Lecture Theatre, B.C. Cancer Res. Centre, 601 W. 10th Avenue. Noon-1 p.m.

**TUESDAY, MAY 16**

**Chemical Engineering Seminar**  
Fluidized Bed Combustion of Difficult Fuels. Dr. Elzbieta Bulewicz, Institute of Inorganic Chemistry and Technology, Technical U. of Cracow, Poland. For information call 228-3121. Room 206, Chemical Engineering Bldg. 3:30 p.m.

# calendar

May 7 - May 20



Former federal cabinet minister Pat Carney and UBC Chancellor Leslie Peterson congratulate Canada Scholar winner Elaine McKeivitt, a first-year Science student. (See story on this page.)

**CALENDAR DEADLINES**

For events in the period May 21 to June 3, notices must be submitted on proper Calendar forms no later than 4 p.m. on Wednesday, May 10 to the Community Relations Office, 6328 Memorial Rd., Room 207, Old Administration Building. For more information call 228-3131.  
The Calendar deadline for the Congregation Issue of Wednesday, May 31 is 4 p.m. Tuesday, May 23. The period covered will be June 4 to June 17.

**WEDNESDAY, MAY 17**

**Psychiatry Academic Lecture**  
Treatment Resistant Schizophrenia - Presentation and Treatment with Novel Antipsychotics. G.W. (Bill) MacEwan, MD, FRCP(C), Director of Refractory Psychosis Program, Clinical Research Division, Riverview Hospital. For information call 875-2025. Room D308, Acute Care Building, Shaughnessy Hospital. 8:30-9:30 a.m.

**Biotechnology Laboratory Seminar**  
Analysis of Activation of Transcription by the Human Estrogen Receptor in Mammalian Cells and in Yeast. John White, Dr., Institut de Chimie Biologique - L.G.M.E., Strasbourg, France. For information call 228-4838. Lecture Hall #4, IRC Bldg. 4 p.m.

**Obstetrics and Gynaecology Weekly Grand Rounds**  
Ultrasound Diagnosis of Intrauterine Growth Retardation. Dr. Darryl Vine. For information call 875-2171. D308, Shaughnessy Hospital. 8 a.m.

**FRIDAY, MAY 19**

**Paediatrics Grand Rounds**  
Immunization Practice. Dr. P.A. Brunell, Professor of Pediatrics, Cedars Sinai Medical Centre, L.A. For information call 875-2117. Auditorium, G.F. Strong Rehab. Centre. 9 a.m.

**Medical Genetics Seminar**  
Mitochondrial Population Genetics: The Implications of Mitochondrial Inheritance. Dr. Jan Friedman, UBC. For information call 228-5311. D308, University Hospital. 1 p.m.

**NOTICES**

**Parenting Project**  
Couples with children between the ages of 5 and 12 are wanted for a project studying parenting. Participation involves the mother and father discussing common childrearing problems and completing questionnaires concerning several aspects of family life. Participation will take about one hour. Evening appointments can be arranged. Interpretation of questionnaires is available on request. For information please contact Dr. C. Johnston, Clinical Psychology, UBC at 228-6771.

**Safety Program Seminar**  
May 9/10. The Occupational Safety and Health Department is offering a free 1 1/2 day seminar for faculty and

## 109 Canada Scholars honored at reception

By GAVIN WILSON

UBC's 109 Canada Scholars were honored at a special reception at the Faculty Club ballroom April 13.

The students, all just completing their first year of study, were winners of the new federal government scholarship designed to recognize excellence and encourage more students, especially young women, to study science and engineering.

The students were presented with certificates and pins by Chancellor Leslie Peterson, former cabinet minister Pat Carney, representing Prime Minister Brian Mulroney and William Winegard, Minister of State for Science and Technology.

Also on hand to congratulate students, were President David Strangway and K.D. Srivastava, Vice-President, Student and Academic Services.

Awarded on the basis of academic performance, the scholarships will provide up to \$8,000 over four years to students pursuing degrees in science, engineering and related disciplines. More than half the scholarships are being awarded to women, who have traditionally been under-represented in these areas of study.

"We need to sharply increase the number of science and technology graduates in Canada," said Carney "Our future standard of living depends on the quality of these graduates."

When the program is in full swing, she said, up to 10,000 students each year will qualify. This year there were 2,500 winners from 75 universities and community colleges across Canada.

Most UBC winners are enrolled in the faculty of Science, others were drawn from Applied Science and Forestry. Arts was represented by three mathematics students. Strangway called them "all very special students."

The \$80-million scholarship program, which will run for five years, was announced by Mulroney last January as part of a drive to boost science and technology research in Canada.

staff on Occupational Health and Safety Programs. Topics include accident prevention, safety inspections, accident investigation and effective safety committees. Of interest to managers, supervisors and safety committee members. For information and registration call 228-2643.

May 15/16. The UBC Occupational Health and Safety Office is offering a course for faculty and staff, covering chemical storage, handling and disposal, laboratory inspections, emergency response and spill clean up. The course is intended for people who handle chemicals in a laboratory, especially lab supervisors, lab technicians, stores keepers and safety committee representatives. Summer students are also welcome. Information and course registration is available from the Occupational Health and Safety Office, 228-2029.

**Golf Lessons**  
Get into the swing of things with adult golf lessons. Classes run throughout the spring and summer for basic and intermediate levels. For more information please call the Community Sport Services Office at 228-3688.

**UBC Tennis Centre**  
Adult and junior; spring and summer tennis lessons. Day, evening and weekend sessions available. For more information call 228-2505.

**Friends of the Garden**  
Wednesday Walks: An Introduction to the Botanical Garden. Meet at the Gatehouse. Admission: Free. Tour: Free. Spend your lunch hour at the Botanical Garden. For information call 228-3928. 1 p.m.

**Statistical Consulting and Research Laboratory**  
SCARL is operated by the Department of Statistics to provide statistical advice to faculty and graduate students working on research problems. For information call 228-4037. Forms for appointments available in Room 210, Ponderosa Annex C.

**Volunteering**  
To find an interesting and challenging volunteer job, get in touch with volunteer connections, the on-campus information and referral service supported by the AMS. Student interviewers are trained to help UBC students, staff and faculty find volunteer jobs in their area of interest. For an appointment to explore the available volunteer options, contact: Volunteer Connections, Student Counselling and Resources Centre, Brock Hall 200, or call 228-3811.

**Walter Gage Toastmasters**  
Wednesdays. Public Speaking Club Meeting. Speeches and tabletopics. Guests are welcome. For information call Sulan at 224-9976. Room 215, SUB. 7:30 p.m.

**International House Reach Out Program**  
"Reach Out" is a letter-writing program linking Vancouver correspondents with international students accepted to UBC, whose aim is to provide those students with helpful information and a local contact. It's a great way to make new friends and learn about other countries. For more information call International House at 228-5021. Both Canadians and Internationals welcome.

**International House Language Exchange Program**  
Ongoing. Free service to match up people who want to exchange their language for another. For information call Mawela Shamaia, International House at 228-5021.

**International House Language Bank Program**  
Free translation/interpretation services offered by International students and community in general. For information call Teresa Uyeno, International House at 228-5021.

**International House**  
Fitness classes continuing over the summer. \$5 per term. Register for this term at I.H. Office NOW. For information call 228-5021.

**Lung Disease Subjects Wanted**  
We are seeking interstitial lung disease subjects in order to study the effect of this disorder on response to sub-maximal exercise. For further information call Frank Chung at 228-7708, School of Rehab. Medicine.

**Department of Psychology**  
Individuals 18 and older are needed for a research project on changes in memory across the adult life span. For information call Jo Ann Miller at 228-4772.

**Teaching Kids to Share**  
Mothers with 2 children between 2 1/2 and 6 years of age are invited to participate in a free parent-education program being evaluated in the Dept. of Psychology at UBC. The 5-session program offers child development info and positive parenting strategies designed to help parents guide their children in the development of sharing and cooperative play skills. For further information call Georgia Tiedemann at the Sharing Project 228-6771.

**Fitness Appraisal**  
Physical Education & Recreation, through the John M. Buchanan Fitness and Research Centre, is administering a physical fitness assessment program to students, faculty, staff and the general public. Approx. 1 hour, students \$25, all others \$30. For information call 228-4356.

**Surplus Equipment Recycling Facility**  
All surplus items. For information call 228-2813. Every Wednesday Noon - 3 p.m. Task Force Bldg, 2352 Health Science Mall.

**Neville Scarfe Children's Garden**  
Visit the Neville Scarfe Children's Garden located west of the Education Building. Open all year - free. Families interested in planting, weeding and watering in the garden contact Jo-Anne Naslund at 434-1081 or 228-3767.

**Nitobe Memorial Garden**  
Open daily from 10 a.m. to 7 p.m. from April 1-May 31. Admission \$1.25. Free on Wednesdays.

**Botanical Gardens**  
Open daily from 10 a.m. to 7 p.m. from April 1-May 31. Admission \$2.50. Free on Wednesdays.

