



Contractor has started excavating new UBC swimming hole

## Pool fund drive begins

UBC faculty and staff are being asked to join students in support of the new indoor swimming pool now being built just south of the Student Union Building.

Doug Aldridge, chairman of the aquatic centre fund drive, said notices have gone out to faculty, seeking pledges over a five-year period. A campaign seeking support from staff will be held later this spring.

Students already have pledged \$925,000 toward the \$4.7-million cost of the pool, through a \$5 impost on AMS fees. The University has contributed an equal amount.

In addition to the on-campus drive for funds, donations are being sought from corporations, foundations, University graduates and Vancouver residents who live west of Granville Street.

Aldridge said over-all target of the fund-raising campaign is \$1.3 million, exclusive of the amount pledged by the students and the University.

Water area of the new pool will be in four sections, so that a number of activities may be held at the same time.

Tentative opening date for the pool is August of next year.

## UBC Board hears briefs

There was almost 100 per cent attendance at the Board of Governors special open meeting Jan. 15 — by the Board members. The audience, which included reporters, observers and those presenting briefs, numbered 19.

Three briefs had been submitted to the Board before the meeting, but the first brief, requesting that the Thunderbird Winter Sports Centre be open for public skating Sunday nights, was referred to the centre's management committee when the author of the brief, Len Rhodes of the UBC electrical shop, did not appear at the Board meeting.

The second brief was a proposal to form "a representative federation of all people who live, work and study on the University Endowment Lands in order to bring about a direct liaison between citizens in this 'unorganized

territory' ... and the deputy minister of ... lands, forests and water resources, the only governmental entity directly available to us."

"Because there is no organized body," said Peggy Bloom, the spokesman for the proposed federation, "citizens must go from one organization to another."

Since the federation-proposal committee had submitted the brief, they had been in touch with other concerned citizens and at Mrs. Bloom's suggestion the brief was tabled "until sometime in February" so that the committee would have time to gain ideas from these other citizens. The committee's main area of concern is land use on the University Endowment

# UBC REPORTS

Vol. 22, No. 3, Jan. 21, 1976/Vancouver

## AUCC asks cost-sharing extension

The Association of Universities and Colleges of Canada (AUCC) has called for a two-year extension of the current cost-sharing arrangements between the federal and provincial governments for the financing of universities.

In a brief presented last week to Prime Minister Trudeau, with copies delivered the same day to each provincial premier, AUCC called for development of a Canadian policy for universities.

It urged consultations between the federal government, the provincial governments and the universities and indicated its willingness to initiate them.

AUCC contends that a major shortcoming of the Fiscal Arrangements Act, under which the federal government has provided financial assistance indirectly to universities since 1967, is that it has led to a regionalization of Canada's universities. AUCC urges the identification of centres and programs of excellence, noting that in many fields a large number of institutions with small mediocre programs is a poor substitute for one or two institutions with first-rate programs.

Although education, under the British North America Act, is a provincial responsibility, the federal government has been involved in financial aid since 1951, when it made a direct grant to each university based on provincial population, at a rate of 50 cents per person.

In that year, this represented 12 per cent of the universities' total operating costs, and equalled \$7 million for all universities in Canada.

In the final year under this system, 1966-67, the per-capita grant was \$5, the total had risen to \$99 million and represented 17 per cent of operating

Please turn to Page 77  
See BRIE

Please turn to Page Two  
See FINANCING

## Briefs

Continued from Page One

costs.

The Fiscal Arrangements Act, also known as the Pearson Formula, was introduced by Lester Pearson for the 1967-68 year and gave the provinces a choice of \$15 per capita or 50 per cent of operating expenses. The money, however, went to the provincial governments, not to the universities.

Critics of the Pearson Formula, although conceding that it was a big improvement over the earlier system, pointed out that it favored those provinces that were themselves prepared to contribute more money to universities.

Senator Henry Hicks of Nova Scotia put it this way in a Senate speech in 1973:

"If you can get half the cost of a Cadillac provided by someone else but you cannot buy the Cadillac because you cannot afford the other half, then you do not get it. So the wealthiest provinces in Canada ... notably Ontario and Alberta ... have received the greatest benefits ... while provinces that could only afford to buy a Chevrolet, or some more modest educational vehicle not in the Cadillac class, have been able to draw down in support from Ottawa only half the cost of their reduced programs."

The fact that some provinces have been buying Cadillacs and others Chevrolets is demonstrated clearly in

## Prizes total \$400

Creative writing can be a rewarding business ... particularly if one's effort comes up a winner in the third annual UBC Alumni **Chronicle** creative writing contest.

The competition is open to full- and part-time UBC students. Prizes totalling \$400 will be divided among the winners by the judges.

Unpublished original short stories or poetry to a maximum of 3,000 words are eligible. Two copies of each entry should be submitted and only one entry by each student is allowed.

Jan. 31 is the deadline for entries. Send them to Alumni Association headquarters, Cecil Green Park, 6251 N.W. Marine Drive, Vancouver V6T 1A6.

The winning entries become the property of the association and will be considered for publication in the **Chronicle**. If you want more information call 228-3313.

# UBC

## REPORTS

Published by the University of British Columbia on Wednesdays and distributed free. Jim Banham, editor. Judith Walker, staff writer. Production assistants - Bruce Baker and Anne Shorter. Send letters to the Editor to Information Services, Main Mall North Administration Building, UBC, 2075 Wesbrook Place, Vancouver, B.C. V6T 1W5.

the federal payments for university costs in the year ended March 31, 1974 - the last fiscal year for which statistics are available.

The extremes were Alberta and British Columbia, with Alberta buying the Cadillac. In total federal money for universities, Alberta received \$93.9 million, B.C. \$78.1 million. On a per-capita basis, Alberta got \$56, B.C. \$35. Expressed as a per-capita figure for residents in the 18-to-24 age bracket, Alberta received \$424, B.C. \$277.

It is this Pearson Formula, which expires March 31, 1977, that AUCC

wants extended to March 31, 1979, with the understanding that a completely new policy for universities be worked out before then.

AUCC delegations are visiting each provincial premier this month to discuss the association brief. The meeting with Premier William Bennett is scheduled for Jan. 30 in Victoria. Accompanying AUCC president Michael Oliver and AUCC executive director Claude Thibault will be President Douglas Kenny of UBC, President Pauline Jewett of Simon Fraser and President Howard Petch of the University of Victoria.

## THE MUSIC BOX

THURSDAY, JAN. 22

12:30 p.m. **FACULTY RECITAL.** John Loban, violin; Robert Rogers, piano; and Eugene Wilson, cello, play **Compositions of Wilson.**

FRIDAY, JAN. 23

8:00 p.m. **WIND ENSEMBLE CONCERT.** Loren Marsteller, director, with **Music of Hindemith, W. Schuman, Copland and Holst.**

MONDAY, JAN. 26

8:00 p.m. **GRADUATION RECITAL.** Margaret Bluhm, clarinet, plays **Music of Brahms, Milhaud, Summers and Von Weber.**

WEDNESDAY, JAN. 28

12:30 p.m. **BRUNSWICK STRING QUARTET** play **Music by Hindemith and Smetana.**

All performances held in Recital Hall, Music Building.

## New deputy minister

Prof. Walter Hardwick fully expects to return to the classroom at UBC as a teacher after a stint in the "suffering-servant" role as B.C.'s deputy minister of education in Victoria.

He's so convinced that the classroom is "where the action is in education" that he plans to commute to UBC once a week for the rest of this term to lecture to some 35 students enrolled in his fourth-year course in urban geography. This despite the fact that he'll be on unpaid leave of absence from UBC. The only thing he'll be able to claim is out-of-pocket expenses.

"Administrative jobs," Dr. Hardwick told *UBC Reports*, "are what I call the 'suffering-servant' role. They've lost the glamor and prestige of the past.

"I would hope to see within the educational system - including the universities - a situation where people do administration for a period of time and then go back to what they do best, their teaching or research, or whatever is appropriate.

"So I'm quite prepared to put in a stint as deputy minister and then go back to UBC and do something else."

He believes that in education

"the greatest jobs are in the classroom," and he adds, a little wistfully, "This coming year will be the first once since I started my career that I won't be teaching."

Walter Hardwick comes by his love of the classroom honestly; his family has been well known in educational circles in B.C. for decades.

His father, Walter Sr., is a former principal in the Vancouver school system; an uncle, Frank C. Hardwick, is a former member of UBC's education faculty; and another uncle, William Hyndman, is a former director of instruction for the Vancouver School Board. Walter Hardwick's brother, David, is head of the Division of Paediatric Pathology in UBC's Faculty of Medicine.

Walter Hardwick's teaching career began in Sexsmith elementary school in Vancouver in 1954 after he graduated from UBC with a Bachelor of Arts degree and qualified for a teaching certificate at the then Provincial Normal School.

From 1956 to 1958 he worked on his Master of Arts degree at UBC, which included a thesis on "The Effect of the Moran Dam on

## Financing

Continued from Page One

Lands.

The third brief, presented by the University Community Credit Union spokesman Bill McLeod, asked that the Board grant the credit union a larger and more prominent space on campus and also that the Board itself become a participating member of the credit union.

The credit union office is now located "in the very back of one of the old huts in the Instructional Media Centre," Mr. McLeod said.

The request that the University, through the Board, become a member of the credit union had come up before, said Board Chairman Thomas Dohm, and had been referred to the

## Play, exhibit open

The Dorothy Somerset Studio opens its production of *Picnic* this evening, an M.F.A. thesis presentation directed by Ian Fenwick.

The production runs from Jan. 21 to Saturday, Jan. 24 each evening at 8 p.m.

The AMS Art Gallery opens its display, "Highlights of the City of Vancouver's Art Bank Collection," Monday, Jan. 26.

Board's finance committee. The Board has not yet received their report. "The door is still open. We are still considering it," Mr. Dohm said.

Johan De Rooy, an unclassified student, made an oral submission on "the growth and expansion ethic" of UBC. He suggested that, if the University's growth continued at its current rate, UBC would reach its optimum number of students by 1984 at the latest. The ceiling of enrolment has been pegged at 27,500, President Kenny pointed out at the meeting.

"This growth seems extremely uncomfortable," Mr. De Rooy said, and he was concerned about the consequences of this growth — housing shortages, parking problems and the increasing isolation felt by students. He said the Board should be making high-school students aware of the fact that they might have to go elsewhere to get a university education.

President Kenny, in replying to Mr. De Rooy's concern, said, "People have asked me what is the ideal size for the University and my answer has always been 'About 14,000.'..."

"The press will eventually come upon the government ... that there is a need for another university somewhere in the province," he said.

## SPORTS MENU

**BASKETBALL** — Both the UBC Thunderbirds and the Jayvees will be in action on Friday and Saturday (Jan. 23 and 24). The Jayvees meet Portland General Electric at 4:30 p.m. both days and the University of Alberta will be here to face the Thunderbirds at 8:30 p.m. All games in the War Memorial Gymnasium.

**FIELD HOCKEY** — A UBC-sponsored invitational tournament begins at 8 a.m. in the UBC Armory on Sunday (Jan. 25). Final game of the tournament at 4 p.m.

## Famed linguist speaks twice

Noam Chomsky, one of the most distinguished scholars in the field of linguistics, will be lecturing this week at UBC as a Cecil H. and Ida Green Visiting Professor.

Friday, Jan. 23, at 12:30 p.m. he will speak on "Formal Universals of Language" in Hebb Theatre. Saturday, Jan. 24, at 8:15 p.m. he will address the Vancouver Institute on "Human Nature: The Linguistic Evidence" in Lecture Hall 2, Woodward Instructional Resources Centre.

# er plans to return to classroom

Agriculture in the Middle Fraser Region of B.C." The topic of his thesis for the Ph.D., granted by the University of Minnesota in 1963, was "The Forest Industry of Coastal British Columbia."

He was a teaching assistant at UBC and at the University of Minnesota while working on his graduate degrees. He got his first permanent teaching job at UBC in 1960 as a lecturer in geography.

In addition to his teaching and research (which has resulted in dozens of publications on everything from B.C.'s natural resources to a 1972 article entitled "Fighting City Hall" in the *Canadian Forum*), Walter Hardwick has had an indefatigable interest in academic and public affairs.

He's worked actively for most of the professional organizations in his field, the UBC Faculty Association, the UBC Alumni Association, and on innumerable committees established by the UBC administration.

In 1962, he was asked by UBC's then president, Dr. John B. Macdonald, to take part in a research study that resulted in the publication *Higher Education in B.C. and a Plan for the Future*. The document led to the creation of Simon Fraser University and the

network of regional colleges in B.C.

Dr. Hardwick's chief contribution to the report was the section dealing with locations and programs of regional colleges.

In 1969 his career took another tack when he was swept into office as an alderman for Vancouver as a member of The Electors' Action Movement (TEAM).

He was at or near the top of the polls in every election until 1974, when he chose to retire from civic politics.

He was chairman of the city committee that planned the urban renewal project in the False Creek area, served for two years as chairman of the Civic Development Committee and for two years as a director of the Greater Vancouver Regional District.

Newspaper reporters on civic affairs — not noted for kid-glove handling of aldermen — described Walter Hardwick as being "all-round competent and experienced" and "one of the most influential municipal politicians on the West Coast."

Last year, at the request of the Universities Council, he studied and made recommendations on the future of Notre Dame University in Nelson.

Dr. Hardwick is also involved with the group organizing Habitat Forum, the non-governmental conference that will take place in Vancouver this summer in conjunction with the United Nations Conference on Human Settlements.

He's also a candidate this year for UBC's prestigious Master Teacher Award.

He took on a new job at UBC in 1975 as director of continuing education, with a mandate to frame University-wide policies for development, administration and funding of continuing education.

Within two hours of the announcement of his latest appointment he was burning the midnight oil with Department of Education colleagues on budget estimates for the coming year.

"There were estimates prepared for the former minister," he told *UBC Reports*, "but we're now back at square one. All I know is that it's going to be a tight year financially."

Dr. Hardwick is married (his wife, Shirley, is a former teacher) and he has four children — Colleen, a first-year UBC student; Douglas, in grade 11; and twins Cindy and Gordon in grade 8.

# THIS WEEK AND NEXT

## THURSDAY, JAN. 22

- 9:00 a.m. **PSYCHIATRY DEPARTMENTAL CONFERENCE.** The panel, chaired by Dr. D. Watterson, includes Dr. R. Slakov, Dr. P. Termansen and Dr. B. Wong, who discuss **Explorations in Psychotherapy.** Lecture theatre, Health Sciences Centre Hospital.
- 12:30 p.m. **GREEN LECTURE.** Dr. Rosemary Dybwad, Brandeis University, Massachusetts, talks about **The Role of Volunteer Associations in the Life of the Handicapped Child and his Family.** Lecture Hall 2, Woodward Instructional Resources Centre.  
**CELL BIOLOGY SEMINAR.** Dr. T. Schroeder, Friday Harbor Laboratories, University of Washington, talks on **Microfilaments - The "Muscle" Behind Cell Division.** Room 2361, Biological Sciences Building.  
**LOCAL TALENT READING SERIES,** sponsored by the Library, features UBC Creative Writing student Cathy Ford reading from her works. Orientation room, lower level, Sedgewick Library.
- 2:30 p.m. **SLAVONIC STUDIES SEMINAR.** Dr. Andrew Donskov, visiting professor in Slavonic and Oriental Studies, University of Victoria, speaks on **Leo Tolstoy and Drama.** Room 351-A, Brock Hall.
- 3:45 p.m. **APPLIED MATH AND STATISTICS COLLOQUIUM.** Prof. Henry Tuckwell, Mathematics, UBC, on **First Exit Time for Markov Processes with Applications to Neurobiology.** Room 1100, Mathematics Annex.
- 4:00 p.m. **PHYSICS COLLOQUIUM.** E.M. Kellogg, of the Center for Astrophysics at Cambridge, Mass., speaks on **X-ray Astronomy.** Room 201, Hennings Building.
- 8:00 p.m. **PUBLIC LECTURE,** sponsored by Regent College and the Christian Medical Society. Dr. Dennis P. Burkitt, Medical Research Council, U.K., on **Not By Bread Alone.** Room 100, Buchanan Building.

## FRIDAY, JAN. 23

- 9:00 a.m. **PAEDIATRICS LECTURE.** Dr. Gunnar Dybwad, professor of human development, Brandeis University, Massachusetts, on **Legal Rights of Children.** Lecture Room B, Heather Pavilion, Vancouver General Hospital.
- 10:00 a.m. **PH.D. ORAL DEFENCE.** Mr. B.S.R. Sastry will be examined on **Monoaminergic Influences on Various Inhibitions of the Spinal Monosynaptic Reflex** for the Doctor of Philosophy degree in Pharmaceutical Sciences. Room 241, new administration building.
- 12:30 p.m. **GREEN LECTURE.** Distinguished linguist Noam Chomsky, Department of Linguistics, Massachusetts Institute of Technology, on **Formal Universals of Language.** Location changed to Hebb Theatre.
- 3:30 p.m. **LINGUISTICS COLLOQUIUM.** Dr. Noam Chomsky will give an informal seminar. Room 351, Brock Hall.  
**MANAGEMENT SCIENCE SEMINAR.** Prof. I. Vertinsky, Faculty of Commerce and Business Administration and Institute of Animal Resource Ecology, UBC, discusses **Implementation in Management Science.** Room 425, Angus Building.  
**COMPUTER SCIENCE COLLOQUIUM.** Dr. Bob Balzer, Information Sciences Institute, University of Southern California, Marina Del Rey, speaks on **An Automatically Generated Program for Message Distribution.** Room 326, Angus Building.

## SATURDAY, JAN. 24

- 8:15 p.m. **THE VANCOUVER INSTITUTE.** Prof. Noam Chomsky, Department of Linguistics, Massachusetts Institute of Technology, talks on **Human Nature: The Linguistic Evidence.** Lecture Hall 2, Woodward Instructional Resources Centre.

## MONDAY, JAN. 26

- 12:30 p.m. **FINE ARTS FILMS.** The third free film show on art presents *Francis Bacon - Grand Palais 1971* (color, 20 minutes); and *Magritte: The False Mirror* (color, 22 minutes). Room 102, Lasserre Building.

3:30 p.m.

**CANCER RESEARCH CENTRE.** Eva Slavinski, of UBC's Cancer Research Centre, on **Environmental Parameters Controlling Cell Differentiation in vitro.** Library, Block B, Medical Sciences Building.

**CUSO FILMS.** The first of a series of free films on Third World problems is *The Long Chain*, and *Atomic Juggernaut.* Room 201, Geography Building.

**MECHANICAL ENGINEERING SEMINAR.** Brad C. Nelson, UBC Mechanical Engineering graduate student, speaks on **Mechanics of Rock Drilling.** Room A106, Mechanical Engineering Annex.

**MANAGEMENT SCIENCE SEMINAR.** Prof. C.L. Doll, of UBC's commerce and business administration faculty, discusses **A Route Choice Decision Model for Predicting Expected Allocation of Traffic on Proposed New B.C. Ferry Routes.** Room 306, Angus Building.

**PHYSIOLOGY SEMINAR.** Dr. William Postles, Diving Medical Officer, Sea Use Council, Portland, Oreg., on **Environmental Observations and Diving Physiology on the Cobb Seamount Project.** Room 2449, Biological Sciences Building.

## TUESDAY, JAN. 27

- 12:30 p.m. **BOTANY SEMINAR.** Dr. Paul G. Harrison, of UBC's botany department, on **Eelgrass, Bacteria, and Grazers: The Role of Phytodetritus in Shallow Marine Ecosystems.** Room 3219, Biological Sciences Building.  
**PHARMACEUTICAL SCIENCES LECTURE.** Dr. A. Chalmers, Senior Resident, CARS, on **Current Medical Therapy of Rheumatoid Arthritis.** Lecture Hall 3, Woodward Instructional Resources Centre.
- 2:30 p.m. **EAST ASIA SEMINAR.** Mr. Won-Kyung Cho, director, Asian Theater Artists, New York, discusses **The State of the Arts in Korea Today.** Room 351, Brock Hall.
- 3:30 p.m. **OCEANOGRAPHY SEMINAR.** Mr. I. Webster, Ocean and Aquatic Affairs, Victoria, on **35 Years of Daily Surface Temperature and Salinity Measurements on the B.C. Coast.** Room 1465, Biological Sciences Building.
- 4:30 p.m. **CHEMISTRY SEMINAR.** Prof. G. Dutton, of UBC's chemistry department, on **Chemistry of Infectious Diseases.** Room 250, Chemistry Building.  
**CHEMICAL ENGINEERING SEMINAR.** Dr. Sehem El-Temtamy, UBC Chemical Engineering research fellow, on **Hydrodynamics and Mixing in Three-Phase Fluidized Beds.** Room 206, Chemical Engineering Building.

7:30 p.m.

**CUSO INFORMATION NIGHT.** A discussion on **Education: Science and English Teachers.** Rooms 402-404, International House.

8:00 p.m.

**HUMANITIES ASSOCIATION LECTURE.** David Highnam, of UBC's French department, on **The Theme of Sexual and Spiritual Possession in *Manon Lescaut*.** Music room, Faculty Club.

## WEDNESDAY, JAN. 28

- 12:30 p.m. **CANADA COUNCIL POETRY READING** by John Newlove. Room 202, Buchanan Building.
- 12:35 p.m. **FREESEE FILM SERIES** presented by the dean of women's office. The second in a series of five 50-minute films produced by the BBC is *The Ascent of Man, Part II: World Within World.* SUB Auditorium.
- 3:30 p.m. **STATISTICS WORKSHOP.** J. Zidek, of UBC's mathematics department, discusses **Using Zonal Polynomials in the Estimation of Multinomial Parameters.** Room 321, Angus Building.  
**SLAVONIC SEMINAR.** Prof. Aram H. Ohanianian, of UBC's Slavonic studies department, on **Early Sino-Russian Contact: Petlin's Mission to Peking, 1618.** Penthouse, Buchanan Building.
- 4:00 p.m. **GEOPHYSICS AND ASTRONOMY SEMINAR.** Dr. John Gilliland, of UBC's geophysics and astronomy department, on **Temperatures and Stability in the Earth's Core.** Room 260, Geophysics Building.
- 4:30 p.m. **ANIMAL RESOURCE ECOLOGY SEMINAR.** Dr. Donald McQueen, Department of Biology, York University, Toronto, talks on **The Population Dynamics of a Naturally-Occurring Terrestrial Isopod Population.** Room 2449, Biological Sciences Building.

Notices must reach Information Services, Main Mall North Admin. Bldg., by mail, by 5 p.m. Thursday of week preceding publication of notice.