

ubc reports

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0497-2929. J. A. Banham and Judith
Walker, editors.



A huge collection of indoor plants that will go on sale to students, faculty and staff next week is kept alive and well by Margaret Coxon, curator of the UBC Botanical Garden's tropical collection. The inexpensive and specially selected plants will be on sale from 11 a.m. to 4 p.m. Sept. 22, 23 and 24 at the Botanical Garden offices at 6501 Marine Drive, opposite the Nitobe Memorial Garden. Garden staff will give expert advice on the care of purchases. Picture by Jim Banham.

UBC goes to the Yukon

UBC has gone to the Yukon.

The first of two programs in teacher education to be offered by UBC in Whitehorse began early this month under an agreement between the University and the Yukon Territorial Government.

The Yukon government is bearing all costs of the program, estimated at \$275,000 in the start-up year.

The initial program is a single year of professional training for would-be teachers who already hold university degrees.

The second program, which will begin in January, 1978, is for high school graduates or mature students who will enrol in a four-year UBC program leading to a Bachelor of Education (Elementary) degree. To be admitted, students must meet UBC entrance standards.

The first and third years of this degree program will be conducted in Whitehorse, including in-school practical training. The students will spend their second and fourth years on the UBC campus.

Each program will admit 20 students in the initial year.

Dennis Milburn, professor of education at UBC, will supervise the Yukon program, assisted by a local program co-ordinator. All courses will be taught by members of the UBC faculty.

Dr. Milburn termed the program "truly exciting." He said it is designed to meet the needs of native Yukoners and to prepare them for the special problems of teaching in the Yukon.

He said the Yukon has for many years had a high turnover among its approximately 256 elementary school teachers.

Dr. John Andrews, dean of education at UBC, said the Yukon initiative is indicative of the many programs which carry the work of the Faculty of Education beyond the confines of the UBC campus. He said similar full degree programs could be offered in the Interior of British Columbia if funds were provided.

Drive to save energy launched

UBC has embarked on a major program to save fuel and power.

A special committee on energy conservation has reported that certain measures can cut UBC's annual energy bill of \$2 million by 10 per cent in the current fiscal year.

By 1982, it says, the savings could be as great as 25 per cent of current energy costs if a more sophisticated program is developed.

C. J. Connaghan, UBC's vice-president for administrative services, said a qualified energy-conservation officer would be appointed before the end of 1977.

"We're seeking someone who has at least five years of experience in design and supervision and a knowledge of building mechanical and electrical systems," Mr. Connaghan said.

"The energy conservation officer's priorities will be to develop an operational program to reduce energy consumption and an educational program to make all members of the University community aware of the need to conserve energy."

He said energy conservation would be particularly important during daylight hours, "when campus demand for electricity can make a daytime kilowatt hour up to 10 times more expensive than a nighttime kilowatt hour."

Mr. Connaghan said the University has also instructed architects of new buildings to give special attention to incorporating energy-conservation measures into buildings under construction or in the planning process.

Steps have already been taken to reduce lighting levels in certain campus buildings.

Electrical engineer Martin Kafer, of the Department of Physical Plant, said levels in certain classrooms, seminar rooms and corridors of the Education Building and the Buchanan Tower had been reduced after consultation with building occupants.

He said he would like comments from users of the two buildings about the reduced lighting levels. Mr. Kafer can be reached at Local 2054.

He said a survey initiated some time ago of lighting levels in other campus buildings, including bookable classrooms, would continue during the fall and winter.

UBC's Board approves new policy statement

The University's Board of Governors approved the following policy statement on outside professional activities at its meeting on July 5.

UNIVERSITY POLICY ON OUTSIDE PROFESSIONAL ACTIVITIES

(1) Faculty members are appointed on a 12-month basis. It is expected that, with the exception of the usual period of vacation (which normally will not exceed one calendar month), they will be engaged for the whole of the year in teaching, research, creative work or scholarly pursuits, teaching, preparation or other University service.

(2) It is recognized that faculty members share the responsibility for the efficient operation of the University toward which the deans, heads and directors have a special obligation.

(3) The University recognizes that certain kinds of paid and unpaid outside professional

activities by faculty members can be of substantial benefit to them and to the University by increasing their teaching and research effectiveness, and can also be of value to the community. The University therefore permits faculty members to engage in outside activities of this sort, provided that it does not interfere with their full-time University obligations.

(4) All full-time faculty members shall inform their heads or directors of all their outside professional activities. In all cases involving a commitment of time equivalent to more than one-half day per seven day week, the approval of the head or director must be obtained. When the facilities of the University are used in any outside professional activities, this fact must be reported to the head or director. The information given by faculty members shall be available to the appropriate dean and to the president. It shall be treated as confidential by the University.



First winner of the \$500 Frank Gnuip Memorial Scholarship to UBC is Chris Thompson, of Richmond, a first-year Arts student and a member of the 1977 Thunderbird football team. He plans to study architecture after completing his Arts degree. Thunderbirds, defending western intercollegiate champions, are off to a shaky start this year. They lost their Sept. 3 opener 35-25 to the University of Manitoba and managed only a 29-29 tie against the University of Alberta Sept. 10. 'Birds next home game is a 2 p.m. exhibition match with Eastern Oregon State College at Thunderbird Stadium on Sept. 24.

Funds for two buildings borrowed

UBC has temporarily borrowed a total of \$3,680,500 to construct two campus buildings.

The funds will be used to build a new processing centre for the UBC library at a cost of \$2,680,500 and to enable construction to continue on the new Aquatic Centre adjacent to the Student Union Building.

UBC's temporary borrowings will be funded by the B.C. Educational Institutions' Capital Financing Authority established last year by the provincial government to raise funds for capital projects at post-secondary institutions.

The provincial government will advise the universities annually of the amount of money to be requested in their operating budgets to retire the borrowed funds. The sum of these amounts will appear in the estimates of the provincial Department of Education.

The Library Processing Centre is under construction on a site immediately west of the Woodward Biomedical Library at the north end of Parking Lot H. The building will house the 150-member staff of the Library's technical processing and systems

division, now housed in substandard space in the Main Library.

The new Aquatic Centre, scheduled for completion early in 1978, will cost an estimated \$5,700,000. Funds for the project have come from a variety of sources and fund drives, including a \$925,000 contribution from the Alma Mater Society.

The largest single project currently under construction at UBC is the 240-bed acute care hospital in the Health Sciences Centre. The new hospital will cost an estimated \$32 million.

Completion of the acute-care hospital will mean that all major units of the campus Health Sciences Centre will be in place. Other clinical facilities include the psychiatric unit and the new Harry Purdy Extended Care Unit, which admitted its first patients in mid-July.

The acute-care hospital is part of a package of proposals made by the provincial government in March, 1976, which includes the upgrading of clinical teaching facilities at downtown hospitals, additions to basic medical sciences buildings at UBC, and a phased expansion of undergraduate

admissions to the UBC medical school from the present 80 students to 160.

A total of \$50 million is to be made available for the proposals; half of it will come from the federal government.

UBC's new dean of medicine, Dr. William Webber, said plans are being prepared for additions to Health Sciences Centre buildings that house basic medical sciences departments.

He said planning has also begun in conjunction with the Vancouver General Hospital for the inclusion of clinical academic space in the new emergency building planned for the site of the former King Edward secondary school at 12th Avenue and Oak Street.

Dean Webber also said there would be clinical academic space for the medical faculty in the existing Shaughnessy Hospital and in two new units — a children's hospital and a maternity hospital — to be built on the grounds of Shaughnessy.

UBC will also have clinical space in facilities now under construction at St. Paul's Hospital, including a clinical respiratory unit, Dean Webber said.

ubc news roundup

UBC is seeking new ways to expand work in the field of gerontology — the discipline that deals with the phenomena and problems of the aging.

President Douglas Kenny has reconstituted and expanded a committee chaired by Prof. Roy Rodgers, head of the School of Home Economics, to advise on avenues UBC might take to participate in gerontological studies, particularly in terms of teaching and research.

The committee, through the Faculty of Graduate Studies, has received a \$12,500 grant from Mr. and Mrs. P. A. Woodward's Foundation to enable it to appoint Dr. Gloria Gutman of the psychology department as a part-time research associate.

Dr. Gutman has already distributed a questionnaire to the heads of various UBC faculties, schools and departments asking for information about courses now offered in gerontology and the names of faculty members teaching them or acting as consultants to community agencies.

A follow-up questionnaire will go out to individuals identified in the initial survey asking for details about their work.

Dr. Gutman will seek similar information from other Canadian universities, B.C. regional colleges and professional organizations with an interest in the elderly.

Prof. Rodgers said the committee he chairs would look at various models for expanding work in gerontology and identify sources of funds for work in this area.

* * *

Dr. Keith Spicer, former Commissioner of Official Languages for the federal government, and two Nobel Prize winners will be among the 11 pre-Christmas speakers who will address the Vancouver Institute starting Saturday (Sept. 17).

The Institute, which has sponsored free Saturday-evening lectures since 1916, meets in Lecture Hall 2 of UBC's Woodward Instructional Resources Centre. All lectures begin at 8:15 p.m.

Dr. Spicer, currently a visiting professor of political science at UBC, will speak on the federal bilingualism program on Oct. 8.

Sir. George Porter, a Nobel Prize winner in chemistry in 1967, opens the Institute's fall series on Saturday with a lecture entitled "Life Under the Sun — The Past and Future of Solar



UBC patrolman Axel Nicholson reminds motorists that campus speed limits are now posted in kilometres per hour as part of Canada's conversion to the metric system. Speed limit on campus is now 30 km/h, metric equivalent of the former 20 miles per hour. Other speeds to watch out for on approaches to the UBC campus are 50 km/h (30 mph) and 80 km/h (50 mph).

Energy." Sir George is currently director of Great Britain's Royal Institution.

A brochure listing lecturers and their topics is available from UBC (228-3131 or 228-2181).

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UBC's intramural athletic program has been expanded this year to provide additional activities for the more than 5,000 students, faculty and staff members who are expected to participate.

The men's and women's program gets underway Friday (Sept. 16) with a two-mile joggers' run that begins at McInnes Field adjacent to the War Memorial Gymnasium at 12:35 p.m.

A complete schedule of events, deadline dates for entries, and the starting date for each activity appeared in "Insight," a publication distributed to students during registration week. A similar schedule will appear in tomorrow's edition of *The Ubysses*.

Details are also available from the program's central office, Room 203, War Memorial Gymnasium (228-3996).

Students interested in team activities are asked to contact the sports co-ordinator in their respective faculties, fraternities, residences or clubs. Individual competitors can sign draw sheets posted outside the central office or simply show up on the day of competition.

Information on the faculty, staff and graduate student program is available from co-ordinator Frank Maurer, Room 100F, Hut B8 (228-4329).

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An 18-month contract that expires less than seven months from now has been ratified by UBC and Local 1 of the Association of University and College Employees (AUCE).

Terms of the contract, which expires next March 31, provide for an across-the-board salary increase of \$54 a month for the period Oct. 1, 1976, to Sept. 30, 1977, plus an additional \$37 a month from Oct. 1, 1977, to the contract expiry date.

The 1,200 AUCE members — mainly non-professional library staff and clerical workers — voted to take the across-the-board increases instead of percentage increases of six per cent and four per cent.

Effective Oct. 1, salaries for AUCE members at UBC will range from \$819 a month for entrance-level clerks to \$1,467 a month for senior clerical administrative positions.

More than a year of negotiations preceded ratification of the new agreement.

A major policy change in the contract calls for the University to provide specific retraining for any employee whose job classification disappears because of technological change.

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If you're having trouble with your office telephone at UBC, you'll get faster and more efficient repair services if you route your call through the Department of Physical Plant during normal working hours.

O l g a L e l a n d , U B C ' s communications supervisor, asks that telephone problems be reported to campus Local 2101, rather than by dialing 114, the direct line to the B.C. Telephone Company's repair service.

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Board approves new deans for

The appointment of new deans to head the Faculties of Medicine and Commerce and Business Administration was approved by UBC's Board of Governors in June and July.

Named to head the Faculty of Medicine is Dr. William A. Webber, 43, former associate dean of medicine and a UBC faculty member since 1961.

The new dean of the commerce faculty is Prof. Peter A. Lusztig, 47, an expert in finance and financial management who joined the UBC teaching staff in 1957.

Both Dean Webber and Dean Lusztig are UBC graduates.

Dean Webber assumes the leadership of his faculty in the midst of an unprecedented period of expansion in its physical facilities and enrolment.

A new 300-bed extended-care unit, which will also be a major teaching and research centre for health sciences students, opened in mid-July, and the first sod was turned in mid-April for a new \$32 million acute-care hospital in the Health Sciences Centre complex.

The expansion also includes the upgrading of clinical facilities at Vancouver hospitals where senior undergraduate medical students and graduate doctors training as specialists are instructed.

All these developments will enable the UBC medical school to double admissions from the present 80 students to 160.

"It's exhilarating to be given the responsibility of heading the medical faculty at a time when so many things are happening that will undoubtedly improve medical care, education and research in B.C.," Dean Webber said.

Dean Webber was educated at West Point Grey schools in Vancouver before enrolling at UBC in 1951. He earned a dozen scholarships and prizes as a student, including the Eric Hamber Gold Medal as head of the medical graduating class in 1958.

He joined the medical school's Department of Anatomy in 1961 after interning at Vancouver General Hospital and doing postgraduate work at Cornell University in New York state. He became associate dean of the UBC medical school in 1971.

Dean Webber has been active in University affairs as president of the UBC Faculty Association and as a



Dean William Webber



Dean Peter Lusztig

member of the UBC Senate. In 1974 he was one of two professors elected by the faculty to serve a three-year term on UBC's Board of Governors.

He has also been active in juvenile sports activities in the community and this year is president of the Vancouver Institute, a town-gown organization

that sponsors Saturday evening lectures on the UBC campus.

Dean Webber succeeds Dr. David Bates, who will remain at UBC as a professor of medicine and will continue his research in environmental medicine.

Dean Lusztig, who earned a teaching award of merit from the Commerce Undergraduate Society in 1975, said his only regret in assuming the duties of dean is that he will have to give up teaching, "at least for my first year."

Dean Lusztig received his Bachelor of Commerce degree from UBC in 1957 and his Master of Business Administration degree from the University of Western Ontario a year later. He did further graduate work at Stanford University and was awarded his doctorate by the California university in 1964.

Before joining the UBC faculty in 1957, Dean Lusztig was assistant to the controller of B.C. Electric, the forerunner of B.C. Hydro. In 1968-69 he studied at the London School of Business on a Killam senior faculty fellowship and was visiting professor of finance at the Management Development Institute in Switzerland in 1973-74.

He has taught at the Banff School of Advanced Management and is on the teaching staff of the Pacific Coast Banking School. He has also taught on a regular basis in executive development programs in Canada, the U.S., Italy, Sweden and Switzerland.

He is the co-author, with faculty colleague Dr. Bernhard Schwab, of the first Canadian textbook on modern finance entitled "Managerial Finance in a Canadian Setting." The book has just appeared in a second edition, a U.S. edition will be published next year, and work has started on a Latin American version.

As a UBC undergraduate, Dean Lusztig was co-captain of the UBC swimming team and he coached the team from 1956 to 1959. He was a member of Students' Council and president of the Men's Athletic Association in 1953-54.

Dean Lusztig succeeds Prof. Noel Hall, who stepped down as dean in the spring of 1976 to pursue academic and teaching interests. Dr. Stanley Hamilton, acting dean since 1976, resumes his position as associate dean with redefined responsibilities.

medicine, commerce

Here are some other notable appointments approved by the Board.

Dr. Bernard Riedel, dean of the Faculty of Pharmaceutical Sciences, has been named Co-ordinator, Health Sciences, succeeding Dr. Harold Copp, who continues as head of the Department of Physiology in the Faculty of Medicine.

In his new post Dr. Riedel chairs the co-ordinating committee of the Health Sciences Centre, which includes the deans and directors of health faculties and schools at UBC. The committee co-ordinates the interdisciplinary teaching program and the clinical facilities of the Health Sciences Centre used for teaching purposes.

The co-ordinator's office also includes divisions of continuing education in the health sciences, health services research and development, health systems, and hospital administration.

Dr. Riedel will also continue as dean of the faculty he has headed since coming to UBC in 1967.

Dr. Bruce Owen has been named head of the Department of Animal Science in the Faculty of Agricultural Sciences. He is a former member of the faculty at the University of Saskatchewan, where he was professor of animal science, a lecturer in veterinary physiological sciences and director of the Animal Production Research Centre.

The new director of UBC's Westwater Research Centre is Dr. Andrew R. Thompson of the UBC law faculty. He succeeds Dr. Irving Fox, who will continue as a faculty member in the School of Community and Regional Planning.

Westwater, established in 1971, carries out interdisciplinary research in water resources and has already completed a major investigation of water quality in the Lower Fraser River.

Dr. Frank P. Patterson, one of Canada's best-known orthopedic surgeons, has been confirmed as head of the medical faculty's Department of Surgery. He has been acting head of the department since July, 1976.

The new editor of the UBC journal *Canadian Literature* is Prof. William New, who will also continue to teach in UBC's English department. He

succeeds Dr. George Woodcock, who retired in June after serving as the journal's founding editor for 17 years.

Prof. New has resigned as assistant dean of the Faculty of Graduate Studies. Succeeding him in that post is Prof. Harold C. Knutson of the Department of French.

The new associate dean of the Faculty of Education is Prof. Vincent R. D'Oyley, who has been with the Ontario Institute for Studies in Education since 1965.

The new head of UBC's physics department is Prof. Roy Nodwell, a faculty member since 1959. He succeeds Prof. Rudy Haering, who joined the faculty in 1972 and who will remain at UBC.

Prof. Peter Oberlander has been confirmed as director of UBC's Centre for Human Settlements after serving as acting director for the past year.

The centre acts as custodian for the more than 10,600 items that made up the 240 audio-visual presentations by 140 countries that participated in Habitat, the United Nations Conference on Human Settlements held in Vancouver in 1976. The centre will develop continuing education programs utilizing the Habitat material and administer it for teaching and research programs at UBC and elsewhere.

Christine Samson, former director of food services at McGill University in Montreal, takes up a similar post at UBC on Sept. 15. She was employed in food service operations at the Universities of Alberta and Victoria before going to McGill in 1975.

Prof. James P. Duncan has resigned as head of the Department of Mechanical Engineering in the Faculty of Applied Science, effective June 30, 1978. He will remain at UBC as a full professor.

Prof. Duncan, who joined the UBC faculty in 1966, has been a leading figure in the application of computers to machine tools so that objects with complex or precision shapes can be manufactured automatically. The technique has widespread applications in industry and in medicine, where it can be used to produce perfect limb replacements for amputees.

campus people

Dr. Robert Silverman, associate professor of music and one of Canada's best-known concert pianists, will give about 10 performances in the Soviet Union in January. He will appear both as a soloist and with various orchestras.

A recording by Dr. Silverman of the music of Franz Liszt has won the 1977 Grand Prix du Disque in the solo piano category from the Liszt Society in Budapest. The record is available on the Orion label (76226).

Last season, Dr. Silverman toured Western Canada as soloist with the National Arts Centre Orchestra and will perform with the BBC Symphony Orchestra in London, England, in November.

* * *

Dr. Harry V. Warren, professor emeritus of geological sciences at UBC, was honored in England in June by the International Hockey Federation. He received the federation's Award of Merit, the highest honor bestowed by the organization.

Dr. Warren is regarded as the "father" of Canadian field hockey and was the first president of the Canadian Field Hockey Association in 1962. He introduced the game at UBC, where he taught from 1932 until his retirement in 1973. A UBC graduate, Dr. Warren was named Rhodes Scholar for B.C. in 1926.

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Dr. Hugh Wynne-Edwards, head of UBC's Department of Geological Sciences, took up a key position in the federal ministry of Science and Technology in September.

In his new post as assistant secretary in the ministry, Dr. Wynne-Edwards will be responsible for the universities branch. Much of his work will be connected with federal grants to universities for research.

A native of Montreal, Dr. Wynne-Edwards was educated at the University of Aberdeen in Scotland and at Queen's University in Kingston, Ont., where he was also a faculty member from 1959 until he joined UBC as head of Geological Sciences in 1972.

He has received a number of awards for his work in geology, including the Spendirop Prize as Canada's

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outstanding geologist. He is a former president of the Geoscience Council of Canada and is the current president of the Association of Scientific and Technical Societies (SCITEC), an umbrella organization of some 60 scientific, technological and engineering societies.

He is also a professional engineer and a fellow of the Royal Society of Canada.

Dr. Wynne-Edwards has deplored the fact that public support for science has steadily declined in relation to other issues, and says that Canadian expenditure on research and technical innovation is now among the lowest in the developed world in relation to gross national product.

Jindra Kulich, acting director of UBC's Centre for Continuing Education, has received the annual award of the Northwest Adult Education Association for "outstanding contributions to the field of adult education."

In making the award, awards committee chairman Carl Sandell of Montana cited the quantity and quality of Mr. Kulich's contributions to both research and services in international and comparative adult education.

In addition to his work at UBC, Mr. Kulich is a book review editor, foreign publications, *Adult Leadership*; general editor, *Monographs in Comparative and Area Studies in Adult Education*; and is a member of the management committee of *Convergence*.

He will also be book review editor of *Learning*, a new periodical to be published by the Canadian Association for Adult Education.

Membership in the Northwest Adult Education Association includes educators from Alaska, Washington, Oregon, Idaho, Montana, Alberta and British Columbia.

Prof. David Suzuki of the Department of Zoology has received the 1977 Cybil Award of the Canadian Broadcasting League for his outstanding contribution to broadcasting.

Currently on leave from UBC, Prof. Suzuki is host of CBC-TV's "Science Magazine" and CBC Radio's "Quirks and Quarks."

The Cybil Award was made for Dr. Suzuki's contribution to making the complex issues of science more understandable and relevant to the general public.

Robin Clarke, associate professor in the School of Architecture, is the winner of a \$5,400 open scholarship
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Board chairman elected

University of B.C. graduate George L. Morfitt, a Vancouver chartered accountant, has been elected chairman of the University's Board of Governors.

He succeeds Hon. Thomas A. Dohm, QC, who retires as Board chairman after serving the maximum two-year period provided for under the Universities Act. He will continue to serve on the Board

as a provincial government appointee.

Mr. Morfitt, who will also continue to head the Board's finance committee, has been elected Board chairman for the period Sept. 1, 1977, to Aug. 31, 1978. He has served on UBC's 15-member Board since 1975 as an appointee of the provincial government nominated by the UBC Alumni Association.

Mr. Morfitt was born and educated in Vancouver. He graduated from UBC in 1958 with the degree of Bachelor of Commerce. In his graduating year he was treasurer of the Alma Mater Society and was selected as the outstanding male graduate of his commerce class.

He was an active member of the UBC Alumni Association for five years, serving on the association's board of management from 1969 to 1974 and as association president in 1973-74. He was also a part-time lecturer in the Faculty of Commerce and Business Administration from 1964 to 1968.

In February, 1976, Mr. Morfitt began a two-year term as president of the Canadian Squash Racquets Association. He was the first president in the 63-year history of the association to come from outside Ontario or Quebec.

He is a past president of the B.C. Squash Racquets Association and a two-time Pacific coast squash champion.



George Morfitt

from Central Mortgage and Housing Corp.

The scholarship will enable Mr. Clarke to visit universities on the eastern seaboard of the United States and a number of projects in the American west and midwest to review and document current research and design on energy conservation in buildings, particularly with respect to the impact on the form of future residential and community design.

Mr. Clarke is also serving as the architect for a consortium of companies which has won a National Research Council open competition to build a solar demonstration house on a site in Langley. The solar energy devices to be incorporated into the house will be monitored by the NRC to test their effectiveness.

Prof. Abraham Rogatnik, another member of the School of Architecture, has received a \$2,625 grant from the Gladys Kriebel Delmas Foundation of

New York for research on the history of domestic architecture and its relation to everyday life at various periods in the history of Venice, Italy.

Prof. Rogatnik, who is one of UBC's Master Teachers, is regarded as one of the top architectural authorities on the history, architecture and current physical problems of the Italian city.

Dr. Eric F. Broom, associate professor in the School of Physical Education and Recreation, has returned to teaching duties at UBC after a two-year period as associate deputy minister for leisure services with the provincial government in Victoria.

Dr. Broom was the author of a 1973 study of leisure services for B.C. commissioned by the provincial government. He was appointed to implement the major recommendations of his report after it was tabled in the legislature in February, 1974.

Frustrated researchers get help

Help is here for frustrated researchers trying to ferret out the most up-to-date results of work in their discipline.

The guide through the bewildering world of learned journals, government publications and other periodicals might, at first glance, be identified as a small portable typewriter.

It's actually a computer terminal that provides access to dozens of data bases stored in computers in eastern Canada and the U.S. Four such terminals are now operative in the UBC library system.

With the help of a trained librarian who can ask the computer the right questions, researchers now have access to the contents of thousands of publications.

The data bases cover all major fields of science and technology, the medical and life sciences, a significant number of the social sciences, as well as business and education. Data bases in history, linguistics and religion are also available. The law data base provides access to Canadian and B.C. statutes and Supreme Court of Canada reports, among other things.

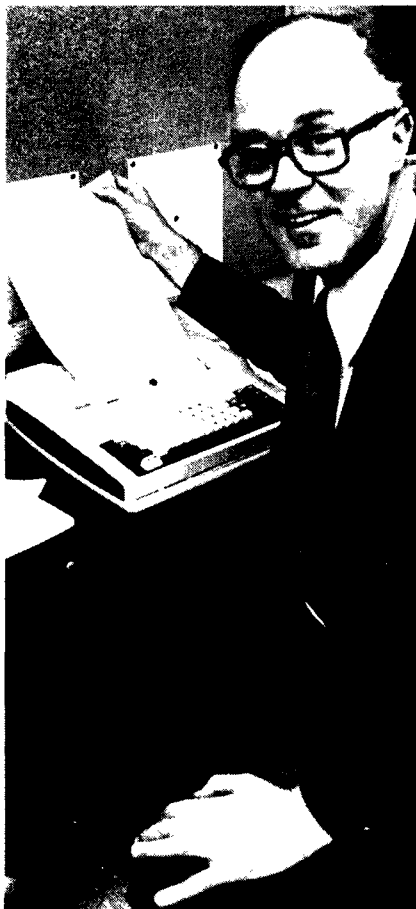
Ann Turner, the head of the serial publications division in the UBC library, won't even hazard a guess at the number of journals published annually. UBC subscribes to 22,000 of them, she says, and the U.S. Library of Congress may have 10 times that number.

Another thing about journals. They have a habit of changing their names, mutating to produce another, often more specialized journal, or simply going out of business. One full-time librarian does nothing but keep track of such changes.

The co-ordinator of UBC's new Computer-Assisted Bibliographic Searches (CABS) is Rein Brongers, head of the science division in the Main Library.

He says you can still find out the contents of serial publications if you have patience and good eyesight, since most of them are topic-indexed in indexing or abstracting journals which appear regularly with annual cumulations and, in some cases, with five-year cumulative indexes.

"The problem is that you have to approach an index on its own terms, and languages vary from index to index," Mr. Brongers explains. "For instance, you won't find an entry for 'hovercraft' in our card catalogue. You have to look under 'ground-effect machines' because that's the language of that cataloguing system."



Library science division head Rein Brongers and computer terminal.

With indexes in the computer, the UBC terminals can produce in minutes what it might take days or even weeks to find in printed indexes.

"For instance," says Mr. Brongers, "suppose you want to know what's been published recently on noise abatement in diesel engines."

Here he breaks off to pick up a phone and dial a number that connects him by telephone line to the National Research Council's computer in Ottawa.

A few simple commands typed on the computer terminal give him access to COMPENDEX, an acronym for Computerized Engineering Index, a data base containing references from 2,150 serials on all aspects of engineering.

"First, I ask the computer to look for the word 'diesel.'" Almost before he's finished saying the sentence the computer tells him it has 7,000 entries on that topic.

"Then I ask it to look for 'noise.'" The computer says it has 5,000 entries on that subject. "Now I ask the

computer to combine those two entries and it will tell me it has 100 entries. If the researcher wants all 100 references they can be printed out immediately on the terminal here at UBC. Or I can ask for, say, only the latest half-dozen references.

"Alternatively, the references can be printed out on a terminal in Ottawa and mailed to the UBC researcher." References in hand, the researcher can probably get the needed journals from UBC's collection. If a publication isn't available here it can be obtained through the interlibrary loan service.

This simple demonstration masks a highly sophisticated indexing system that involves a lot of wrinkles known to the librarians who have been trained to operate the terminals. "If we ask the computer the right questions after discussing an individual's needs, we can prepare a profile of references that can save the researcher a great deal of time and money," says Mr. Brongers.

The NRC computer in Ottawa has data bases that cover electronics, physics, chemistry and the life sciences as well as engineering. Two other U.S. data base suppliers include a wide range of subjects in the sciences and social sciences, including agriculture, the environment, pollution, statistics, economics, sociology, psychology, U.S. government research reports, and much, much more.

Because of the glut of serial publications, many of the data bases are indexed for only six or seven years. Others are more extensive; one of the American bases contains 500,000 references to all doctoral theses written in North America since 1861.

The new service isn't free. UBC researchers get a special rate, but off-campus users have to pay the full cost of a search. Costs vary significantly depending on search time and the charges set by the companies offering the service.

You can get further information by calling the following Library divisions: science division - 228-3295 or 228-3826; social sciences division - 228-2725 or 228-3155; humanities division - 228-2411; and the law library - 228-2275.

MEDLINE, with a terminal in the Woodward Biomedical Library, provides access to the U.S. National Library of Medicine data base. Information is available at 228-2473 or 228-4440.

NEXT WEEK AT UBC

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

LIBRARY TOURS

General orientation tours of Main and Sedgewick libraries will be given Monday, Sept. 19, to Friday, Sept. 23, at 10:30 a.m. and 12:30 p.m. Tours will begin in the entrance hall of the Main Library. A slide-tape show, "Welcome to the UBC Library," will be shown every day in Sedgewick Orientation Room at 11:20 a.m. and 1:20 p.m.

EXERCISE PROGRAM

Two exercise programs for faculty and staff, men and women, are offered by the School of Physical Education and Recreation. "Awareness through Movement" takes place Tuesdays and Thursdays from 12:30 to 1:05 p.m. The regular exercise program, which begins Monday, Sept. 19, will be on Mondays, Wednesdays and Fridays from 12:30 to 1:05 p.m. Programs are held in Gym E on the south campus. Call 3996 or 4479 for more information.

THE COFFEEPLACE

International House is operating a coffee house during September from 6 to 10 p.m. Monday to Thursday. UBC students, staff and faculty are welcome to drop by Room 402, International House. Licensed premises. Admission free.

FREDERIC WOOD THEATRE

A Moon for the Misbegotten by Eugene O'Neill begins the 1977-78 season. This play began Wednesday, Sept. 14 and continues until Sept. 24 nightly at 8 p.m. except Sunday. Admission, \$4.50; students, \$2.50. Reservations, call 228-2678.

VANCOUVER INSTITUTE

The first Vancouver Institute lecture is Saturday, Sept. 17, at 8:15 p.m., featuring Sir George Porter, director of the Royal Institution of Great Britain, who will speak on *Life Under the Sun - the Past and Future of Solar Energy*. Lecture Hall 2, Woodward Instructional Resources Centre.

SUNDAY, SEPT. 18

3:00 p.m. **MUSEUM OF ANTHROPOLOGY.** The Vancouver Chilean Association Song Group presents a program of Chilean music using traditional instruments. Museum, 6393 N.W. Marine Dr.

MONDAY, SEPT. 19

12:30 p.m. **PHYSICS LECTURE.** Norman Feather, professor emeritus, University of Edinburgh, Scotland, Rutherford Memorial Lecturer, Royal Society of London, on *Some Aspects of the Alpha-Particle Story, 1903-1977*. Room 318, Hennings Building.

3:30 p.m. **COMPUTING CENTRE LECTURE.** Darlene Osterlin, Computing Centre, UBC, presents the first of a series of six lectures on *Introduction to Computing*. Room 310, Computer Sciences Building.

4:00 p.m. **BIOCHEMICAL DISCUSSION GROUP.** Dr. Derek Applegarth, Pediatrics, UBC, on *Biochemistry and Pediatrics*. Lecture Hall 3, Woodward Instructional Resources Centre.

TUESDAY, SEPT. 20

12:30 p.m. **GREEN VISITING PROFESSOR.** John Dunn, King's College, Cambridge, and Cecil H. and Ida Green Visiting Professor, on *Democratic Theory*, the first of four lectures on *Western Political Theory in Face of the Future*. Room 106, Buchanan Building.

3:30 p.m. **OCEANOGRAPHY SEMINAR.** Dr. A. Hattori, Ocean Research Institute, University of Tokyo, on *Ammonium Regeneration in Controlled Aquatic Systems*. Room 1465, Biological Sciences Building.

7:30 p.m. **MUSEUM OF ANTHROPOLOGY** presents an evening of East Indian music. 6393 N. W. Marine Dr.

WEDNESDAY, SEPT. 21

9:00 a.m. **CENTRE FOR CONTINUING EDUCATION.** Peter and Eileen Caddy, Findhorn Community, Scotland, present an all-day workshop. Admission, \$20. International House. For information, call 228-2181, local 261.

12:30 p.m. **GREEN VISITING PROFESSOR.** Sir George Porter, Royal Institution of Great Britain, on *Science and the Human Purpose*. Lecture Hall 2, Woodward Instructional Resources Centre.

CLASSICS LECTURE. Prof. Richard Clogg, Byzantine and Modern Greek Studies, London University, on *From Authoritarianism to Democracy: the Greek Colonels and their Aftermath*. Room 102, Buchanan Building.

3:30 p.m. **STATISTICS WORKSHOP.** Prof. J. V. Zidek, Mathematics, UBC, on *CSIRO of Australia, a Visitor's View of the Statistical Visitor's Program*. Room 412, Angus Building.

HISTORY SEMINAR. Prof. Richard Clogg, London University, on *British Policy Toward Wartime Resistance in Greece, 1941-1944*. Penthouse, Buchanan Building.

COMPUTING CENTRE LECTURE. Darlene Osterlin, Computing Centre, UBC, gives the second of six lectures on *Introduction to Computing*. Room 310, Computer Sciences Building.

8:00 p.m. **CENTRE FOR CONTINUING EDUCATION.** *Findhorn and the New Age*, film and discussion. Admission, \$5. Lecture Hall 2, Woodward Instructional Resources Centre.

THURSDAY, SEPT. 22

9:00 a.m. **MEDICAL GRAND ROUNDS.** Dr. Hugh Freeman, Medicine, University of California, on *Celiac Sprue and Lymphoma*. Lecture Hall B, Vancouver General Hospital.

11:00 a.m. **PLANT SALE.** Friends of the UBC Botanical Garden present a sale of indoor plants for students at the Botanical Garden Office (across the road from the Nitobe Garden). Continues until 4 p.m. Faculty and staff welcome.

12:30 p.m. **GREEN VISITING PROFESSOR.** John Dunn, King's College, Cambridge, on *Liberalism*, the second of four lectures on *Western Political Theory in Face of the Future*. Room 106, Buchanan Building.

3:30 p.m. **COMPUTING CENTRE LECTURE.** Darlene Osterlin, Computing Centre, UBC, gives the third of six lectures on *Introduction to Computing*. Room 310, Computer Sciences Building.

4:00 p.m. **PHYSICS COLLOQUIUM.** A. J. Berlinsky, Physics, UBC, on *Spin Polarized Hydrogen*. Room 210, Hennings Building.

FRIDAY, SEPT. 23

9:00 a.m. **PEDIATRICS GRAND ROUNDS.** Dr. Keith Riding, Department of ENT Surgery, VGH, on *New Thoughts on Tonsillectomy and Adenoidectomy*. Lecture Hall B, Vancouver General Hospital.

11:00 a.m. **PLANT SALE.** Friends of the UBC Botanical Garden present a sale of indoor plants for students at the Botanical Garden Office (across the road from the Nitobe Garden). Continues until 4 p.m. Faculty and staff welcome.

3:30 p.m. **HISTORY SEMINAR.** John Dunn, King's College, Cambridge, on *Practising History and Social Science on 'Realist' Assumptions*. Penthouse, Buchanan Building.

SATURDAY, SEPT. 24

11:00 a.m. **PLANT SALE.** Friends of the UBC Botanical Garden present a sale of indoor plants for students at the Botanical Garden Office (across the road from the Nitobe Garden). Continues until 4 p.m. Faculty and staff welcome.

2:00 p.m. **FOOTBALL.** UBC Thunderbirds, defending Western Canada university champions, vs Eastern Oregon State College. Thunderbird Stadium.

8:15 p.m. **VANCOUVER INSTITUTE.** Prof. John Dunn, King's College, Cambridge, speaks on *Envy, Fear and Interdependence - The Third World and the West*. Lecture Hall 2, Woodward Instructional Resources Centre.