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UBC's new Centre for Human Settlements became a practical proposition on Saturday, June 12, when UBC and Habitat officials signed an agreement committing all audio-visual and print material from Habitat to the centre. Participants in the signing ceremony were, standing left to right, provincial government cabinet minister Hon. Hugh Curtis, a member of the Canadian Habitat delegation;

Enrique Penalosa, secretary-general of Habitat, who signed the agreement on behalf of the United Nations. Seated left to right are: federal cabinet minister Hon. Ron Basford, also a member of the Canadian Habitat delegation; UBC's president, Dr. Douglas Kenny, who signed the agreement on behalf of UBC; and federal cabinet minister Barney Danson, who chaired the Habitat conference. Photo by John Morris.

Strategic studies to expand

The federal Department of National Defence has approved a \$250,000 grant to the University of B.C. to enable the further development of research and teaching in the area of strategic studies.

The grant, to be paid at the rate of \$50,000 a year for five years, has been made to UBC's Institute of International Relations, directed by Prof. Mark Zacher.

Prof. Zacher told *UBC Reports* the grant will enable the institute to further develop studies that began a number of years ago. "The central purpose of the grant is to develop

Canadian experts in the field of strategic studies," he said.

UBC is one of five Canadian universities which have received funds from the Department of National Defence on the recommendation of an academic committee of the Association of Universities and Colleges of Canada, the national body which represents institutions of higher education in this country.

The grant will enable UBC to hire three post-doctoral research fellows who will continue research at UBC and teach an existing course, Political Science 444.

The three post-doctoral fellows are: Dr. W. Harriet Critchley, and John Kirton and David Dewitt, who are completing doctoral requirements before arriving at UBC.

At UBC, Dr. Critchley will be working on a book on the Canadian Arctic and Canadian security policy. Mr. Kirton will specialize in Canadian policy with respect to the export of nuclear technology, and Mr. Dewitt will be working on a study of how demand for resources affects a nation's security relations.

Dr. Zacher said that Canada at

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from Purchasing's viewpoint...

UBC: A City Within A City

Most people would define UBC as an educational institution offering academic degrees and specialized training to students in a wide variety of fields.

Sid Potter, the acting head of UBC's purchasing department, looks on the Point Grey campus from another point of view. He'll tell you it's a medium-sized city that requires everything from food to fishhooks, paper products to plumbing supplies, fertilizer to fuel and chemicals to computers.

For Mr. Potter and the staff of 22 in the purchasing department, UBC is a unique place that caters daily to the needs of 25,000 to 30,000 students, faculty members, employed staff and visitors who live and work in about 400 buildings on a campus of almost 1,000 acres.

Mr. Potter also points out that

UBC, unlike most other Canadian universities, isn't located in a city, municipality or organized area.

"This means," he says, "that in addition to providing for the day-to-day needs of the campus population, we have a hand in procuring the goods and services required by a civic government, including sidewalks, sewers, parking lots, and gas, electrical and water distribution."

In the 1974-75 fiscal year — the last one for which figures are available — the purchasing department was responsible for expediting the purchase of goods and services valued at some \$30,000,000. It's believed that only the provincial and federal governments procure more than this annually in B.C.

The department faces some special problems in providing for University



Key figures in UBC's purchasing department are, standing left to right, Sid Potter, acting director of the department; Gary Taylor, campus printing co-ordinator; and Al Lackie, senior buyer. Seated left to right are: Joan Wilson-Brown, administrative assistant

needs. Its staff must include personnel who can ferret out such things as the earthquake simulator used for research in the Faculty of Applied Science as well as individuals who can get the best deal on the purchase of the \$281,000 worth of milk consumed at UBC in 1974-75.

The annual cost of some of the things UBC buys is surprising. In 1974-75, for instance, UBC purchased drugs and hospital and dental supplies worth \$215,000; animals valued at \$40,000; paper and paper products worth \$500,000; feed, seed and fertilizer valued at \$376,000; about \$100,000 worth of electrical lamps; fuel and electricity for heating and other purposes worth nearly a million dollars; and basic food items (meat, fish, eggs and bread, to name only a few) that cost another million dollars.

And each day brings new problems.



and tax analyst; senior buyer Marcel Dionne; Gene McLintock, assistant purchasing agent; and Peggy Willis, senior buyer. Mr. McLintock retires this month after 36 years of service to the University. (See story on Page Four.) Picture by John Morris.

Every year UBC needs 5,000 gallons of grain alcohol worth \$10,000 for laboratory purposes. Recently, the New Westminster distillery that no longer supplied UBC shut its doors and no other local producer is capable of supplying what UBC needs over and above its own requirements. UBC now has to import grain alcohol from Winnipeg, which means higher costs because of freight charges.

Mr. Potter would also like to dispel a myth about UBC — the one that says the Point Grey campus operates only eight months a year from September through April.

"The early part of the year," he says, "is one of our busiest periods as we help dozens of research groups prepare for spring and summer field trips. Not only do we have to procure their initial supplies, but we have to arrange to keep them supplied in the

field. In 1975 we spent \$40,000 just on the leasing of vehicles — mostly the four-wheel-drive variety — for field groups."

He says the University also tries to schedule construction projects involving building renovations and the laying of sewer, water and electrical distribution lines for the April-August period, when there are fewer students around and the weather is more predictable.

As for the rules of the purchasing game, which are approved by UBC's Board of Governors, the purchasing department does everything it can to make sure that B.C. firms get first crack at supplying UBC's needs. They're at the top of a priority list for purchasing, and are followed by other Canadian, Commonwealth and, finally, "other suppliers."

And almost everything UBC buys is

And underneath it all...

Many of the things you take for granted on the UBC campus are brought to you via an extensive campus underworld.

But don't get excited. We're not referring to the criminal element, but to the miles of underground cable and water, sewer and steam lines that provide many of the essential services of the University.

Take electricity, for instance. There are more than 100 miles of high-voltage and other types of cable buried on the UBC campus to provide for lighting, telephone connections, and alarm and clock systems. There are 159 manholes scattered over the campus to allow workmen access to the electrical system.

And speaking of telephones, there are some 5,000 of them on the campus, making UBC the second-largest customer of B.C. Tel.

Only the provincial government has a more extensive system.

As for electricity, UBC consumes some 100 million kilowatt-hours annually, enough to provide service for 8,000 households, or a city half the size of New Westminster.

Water is also big on the campus. There are 20 miles of underground mains providing 600 million gallons a year, or enough for 8,000 households.

UBC buildings are kept warm and comfortable by steam that is piped through nearly 20 miles of underground lines emanating from the campus powerhouse. UBC annually produces enough steam to heat more than 40,000 houses.

And finally, there are 25 miles of underground sanitary and storm sewers and 250-odd manholes to provide access to the system.

purchased through public tender. Telephone and informal quotations are obtained for lower-priced items, but where large sums are involved quotations are obtained from proven past suppliers or through public advertising.

There are special circumstances, however. That earthquake simulator mentioned earlier had to be purchased in the United States because it was a one-of-a-kind item not available anywhere else.

So whether it's an earthquake simulator, a supply of skeletons needed for medical students ("most of them are made out of plastic now," says Mr. Potter), or just plain old paper towels for campus washrooms, you can lay odds that somewhere along the line the UBC purchasing department had a hand in obtaining them.



Gene McLintock

Fred Colburn

John Lees

Familiar figures retire

Three familiar campus figures with a combined total of nearly 100 years of service to the University will retire on June 30.

They are:

- Eugene McLintock, assistant purchasing agent in the purchasing department and a 36-year employee of UBC;
- Fred H. Colburn, head electrician in the Department of Physical Plant and an employee for the past 30 years; and
- John Lees, who has been at UBC for the past 27 years as a senior instructor and glassblower in the physics department.

Mr. McLintock joined UBC in 1940 as a storekeeper in the chemistry department and transferred to Purchasing in 1949. As assistant purchasing agent he's responsible for the buying of chemicals, drugs, animals, hospital supplies and laboratory equipment.

Mr. McLintock plans to retire to a

home he has purchased in Peachland near Kelowna in the Okanagan.

Mr. Colburn joined Physical Plant as an electrician in 1946 and was appointed head electrician in 1962. He, too, plans to retire to the Okanagan, where he has a home in Summerland.

British-born John Lees, who joined the UBC physics department in 1949 from the University of Birmingham, has created hundreds of pieces of complex glass equipment for scientific experiments over the years.

He is probably best known for his entertaining glassblowing displays during UBC's triennial Open House and for such creations as his beautiful glass tree with 2,000 leaves, which has been presented to the University for permanent display in the Hennings Building.

Mr. Lees has a home on Galiano Island in the Gulf Islands, where he plans to retire.

Canadian Rome school proposed

Prof. Allan Evans, of UBC's Department of Classics, has been named to a five-member steering committee to investigate the feasibility of establishing a Canadian School in Rome.

The steering committee, established by the Humanities Research Council of Canada, expects to have a report on the proposal ready by September.

"What is tentatively envisaged at present," Prof. Evans said, "is a modest but permanent resource centre which would provide a variety of services for the Canadian research community which has Italian interests."

He said the centre would serve scholars in fields such as classics, medieval and renaissance studies, Italian literature, architecture and the fine arts as well as the social sciences and possibly the natural sciences.

The services offered by the school might include office space, an advisory service on available housing, and liaison with Italian libraries, archives and government bodies.

Prof. Evans said the steering committee is seeking advice and suggestions from interested parties across the country. Members of the UBC community can write to Prof. Evans or contact him by telephone (228-4063).

Faculty member dies suddenly

Dr. Modest Pernarowski, a long-time member of the Faculty of Pharmaceutical Sciences at UBC, died suddenly last Thursday (June 10). He was 47.

Dr. Pernarowski joined UBC as an associate professor of pharmaceutical chemistry in 1963, becoming a full professor in 1968. In 1973 he was made a fellow of the Academy of Pharmaceutical Sciences. Outside of his University activities, Dr. Pernarowski was involved with consumer protection and pharmaceutical associations, both nationally and internationally. He was a past vice-president of the Consumers Association of Canada.

He is survived by his wife, Terry, and three children.

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NO 'NEXT WEEK' THIS WEEK

It's that time of year. Time when the University catches its breath between Winter Session and Summer Session. And our column of the week's events, "Next Week at UBC," reflects the apparent calm on campus.

"Next Week at UBC" does not appear in this edition of UBC Reports because Information Services received no notices of coming events for the week.

Readers who want to use this column are reminded that the period covered has changed to the Sunday following publication until the next Saturday. Deadline for notices is Thursday before publication at 5 p.m. Send notices to Information Services, Main Mall North Administration Building.