

QUEBEC BUILDS PLANT to replace one destroyed by fire in time a spokesman for the ST. JOHN'S, Nfld. (CP) — firm said a Newfoundland manager would take over the plant next August, when completed, and Quebec workers would be hired "if local talent is competent by the Quebec government."

Canadian Universities Pending \$550 Million Construction

By JOHN LEBLANC
Canadian Press Staff Writer
Memorial University is using its own electronic computer to work out design problems for a new campus building in St. John's. Fielding Brock, holding classes in a converted refrigeration plant, is spending \$300,000 on a 14-storey tower that eventually will be a 1,000,000 book library.

Governors of the University of Alberta are putting the pruning knife to student unions in a \$4,000,000 structure. The Trent, with construction still to begin, has plans for \$70,000,000 worth of campus. St. Dunstan's, 109 years old, is setting for a new student coffee shop.

Young and old, big and small, most of Canada's universities are surging upwards and outwards in the continuing race to keep abreast of the swelling demands of higher education.

Cross-Canada Survey by The Canadian Press shows that at least \$550,000,000 is being currently sunk into new buildings, learning or their apparatus. Many hundreds of millions more are under planning.

IVY SPROUTS STRONGLY
Some are ultra-modern, as in the case of St. Dunstan's in Charlottetown, or even older King's in Halifax, which has no expansion at all in hand. But the newer members of the ivy brigade are mushrooming mightily and so, still, are many of the older ones.

New teaching and research facilities are being put in to keep step with the march of educational technology. Old ones are being modernized. And overall all there is steady enlargement as the doors may be open to more. For the new institutions it's a race to meet the oncoming generation.

Brock University at St. Catharines, for instance, has just opened with 144 students, will start building into for 2,800 in the spring and hopes to have between 10,000 and 12,000 eventually. Its single building towering 160 feet above the Niagara Escarpment will house all facilities for the time being but is being built for conversion to a library when other buildings rise. By 1970, it expects to have a \$27,000,000 plant.

Trent at Peterborough—also just opened and with its classes scattered around town—expects to have its first building, \$3,500,000 Champlain College for men, ready by 1966. Over the next 16 to 20 years, it plans a unique system of a full dozen colleges, each largely self-contained except for laboratories and the like. The first \$70,000,000 is expected to be invested by 1975.

At even younger, Simon Fraser University, which opens up on a mountaintop at Burnaby, B.C., for an expected 2,500 students next fall, \$17,000,000 will have been spent by that time. Apart from a series of academic innovations, Simon Fraser will have a covered mall linking its buildings plus underground parking, in five years, almost \$30,000,000 will have been spent.

SHARE \$40,700,000
Simon Fraser along with B.C.'s other two public institutions—University of British Columbia and University of Victoria—are sharing in \$40,700,000 promised by the provincial government to finance a five-year building program. This is to be combined with the proceeds of a \$28,000,000 public fund drive. UBC's \$29,700,000 share will be part of a \$48,000,000 program for that college stretching into 1969. This includes an \$18,000,000 teaching hospital and a six-building medical science centre.

Victoria is in the midst of a series of five-year expansion stages that began in 1961, in which \$5,500,000 has been spent and another \$12,000,000 is projected by the end of 1969. Its scattered facilities are being consolidated into one campus.

The Ontario government, too, embarked this year on a new method of financial help for loans or construction. During the current fiscal year, \$53,600,000 in building money was available. The University of Toronto has \$39,000,000 in construction under way for completion in time for the 1965-66 year. A \$7,300,000 building is included in the first group while a \$12,000,000 physics building and the \$2,000,000 Ontario Centre for Scarborough College are to be finished later.

McGill is in the same area as U of T on current projects with more than \$32,000,000 worth in building under way. It includes a 10-storey circular structure—and an \$8,000,000 biological science building.

HAS TV HOOPS...
Largest single unit in progress is a \$25,500,000 all-purpose building for the University of Williams University in downtown Montreal. With its completion by 1970, it is expected that the university will abandon an apartment building it now is using for needed supplementary space.

The new structure, which contains such features as closed-circuit TV, closed-circuit television, will allow expansion of the academic program by extending the present three-year course for an engineering certificate for five years.

Among the other big institutions, Laval at Quebec City, which laid down after a \$60,000,000 contract for a new "university city" at suburban Ste-Foy. The main building, a humanities building of classical grace in white stone, was completed this year. A \$5,000,000 residence to accommodate 1,000 students is under construction.

The other big French-language seat, University of Montreal, has added two new amphitheatres to its main building at a cost of \$2,000,000 along with a \$2,750,000 central heating plant. Some miscellaneous structures—including outdoor escalators to replace worn stairways between levels of the hilly campus—add up to about \$5,000,000.

In the Atlantic provinces, University of New Brunswick's pending the highest spending planned for the year. Besides a library and an engineering building addition at \$2,000,000.

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PRINCE EDWARD ISLAND POTATOES

A STAMP OF QUALITY

ISLAND POTATOES POPULAR AT FAIR

"Try P.E.I.'s Centennial year crop" is the challenge slogan that tops this province's Potato Marketing Board booth at the Royal Winter Fair in Toronto. Visitors this year are the most numerous and most interested yet, reports a board spokesman who has been in the booth for many of the 12 years it has been maintained at the Royal. Recipes for using potatoes and free live-pound samples are being given away to many of the visitors. Eric Robinson, Albany and Frank Brown, Charlottetown were absent when picture was taken.

Two members of the board spent four days touring operations and held discussions with company officials.

"They are hopeful that they may be able to give us an appraisal and make some suggestions in about two weeks' time," Mr. Clubb said.

Atom Seen Aid In Murder Cases

GLASGOW (Reuters)—A Scottish atomic scientist, who claims to have proved the Emperor Napoleon was poisoned, says the same technique can also solve present-day murders.

Dr. Hamilton Smith of Glasgow University said he had sent samples of Napoleon's hair to be compared with atomic particles at Britain's atomic energy headquarters at Harwell.

"We now know from the tests Napoleon must have been swallowing arsenic on and off during the year before he died," Dr. Smith said. "But I am more interested in the future than in what happened to Napoleon."

Dr. Smith said the atomic technique not only can find traces of poison, but also can provide clearer detection of gunpowder traces than was ever before possible.

He said he firmly believed reactor evidence will be used eventually in British murder trials.

Dr. Smith said the experiments on Napoleon's hair were started in 1960. Napoleon died in exile on St. Helena island in 1821.

In Paris, however, two historians and a descendant of Napoleon's supposed murderer said the poison theory is unproved and groundless.

Prof. Marcel Dupan, specialist on the history of the French revolution and present of the Napoleon Institute, said he would only believe the proposition if it were proved that the hairs tested really were Napoleon's and that the analysis was beyond doubt.

There are at least 10 galaxy planetary systems in our galaxy which is reasonable to believe some contain life similar to earth, he said.

He said biochemical research has led him to believe that all life must have some common chemical structure.

"The Darwinian theory of evolution has postulated the unity of the entire biosphere. The higher forms of life are believed to have evolved from the lower over a very extended period in the life of this planet," the San Francisco doctor said.

Dosco Described In Need Of Aid

MONTREAL (CP) — J. E. Clubb, president of Dominion Coal Company, Ltd., says that because of a heavy loss in 1964 and the reduction of working capital the company is in dire need of financial aid.

Dominion Coal Company suffered a loss of \$1,207,076 in the fiscal year compared with a profit of \$1,141,944 in 1963.

"This is a serious situation in any enterprise but for your company it is particularly serious because of the large amount of the reserves of financial strength which can enable it to withstand such losses for any prolonged period," Mr. Clubb told the shareholders at the annual meeting.

Mr. Clubb said working capital dropped on a third during the year last ended on \$1,738,910 from \$6,035,118.

"This reduction reflects the inability of your company's operations to generate the funds required to meet the instalments due on its long-term debt as well as for essential new plant and equipment," he said.

"This inability has resulted in a substantial increase in bank loans. It is apparent that your company cannot long sustain results such as those experienced in the past and it is essential to remain financially solvent."

COAL DEMAND STEADY
Mr. Clubb said that although competition from other fuels continued to be severe in the last year and may be expected to continue so into the foreseeable future, the markets for coal have remained relatively stable with the assistance of federal government subsidies and

Life Origin Discussed By Chemist

SAN ANTONIO, Tex. (AP)—A chemist told other space scientists here if there is life on Mars it could explain the origin of life on earth.

Dr. Curt Ponnamperuma also suggested there is a possibility of finding an answer to life in our planetary system by inspection of other planets.

Dr. Ponnamperuma, a native of Ceylon and a member of the staff of the National Aeronautics and Space Administration's Ames Research Center, advanced his ideas at the third international symposium on bioastronautics and exploration of space.

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Prominent Doctor Dies In Toronto

TORONTO (CP) — Dr. John Robertson McArthur, one of Canada's best-known gynecologists, died Saturday. He was 57.

Dr. McArthur, a member of the consulting staff of the Toronto General Hospital and associate professor of obstetrics and gynecology at the University of Toronto, was a specialist in the treatment of gynecological cancer.

He held the post of senior gynecology consultant for the Ontario Cancer Institute at one time and was honorary consultant for several years.

Liberia grows rice on 730,000 acres of land but still must import to meet its needs.

Way To Beat 'Em

NORWICH, Ont. (CP) — The Road Rebels, a teen-age hitroting gang in this village 40 miles west of Hamilton were not in any trouble with the police at Halloween. They were the police. Police Chief Kenneth McLay swore the youngsters in as special constables for the night and this year's Halloween was the most peaceful in memory. There was one prank, however. Fifty dollars damage was done to the police station's front door.

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Girls SKI JACKETS	\$4.48	Men's REVERSIBLE COATS	\$9.98
Girls PYJAMAS Cotton—Sizes 8-16	\$1.49	WINTER JACKETS With or Without Hoods Boys' Sizes	\$4.48
Boys' PYJAMAS Cotton—Sizes 4-16	99¢	TIES Brand Name	69¢
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HMCS ANNAPOLIS TO JOIN FLEET

Ltd., on Dec. 19. Named after the river winds through Annapolis, the ship is the 30th anti-submarine warship to join the fleet from a Canadian yard.

(National Defence Photo)