

Refrigeration Plant Used To Bridge River In Sask.

By GERRY McNEIL
Canadian Press Staff Writer
EDMONTON (CP)—A \$50,000 artificial ice highway, the brainchild of a university professor, is being built across the North Saskatchewan River in a unique venture by an Edmonton gravel firm.

A 75-horsepower refrigeration plant, the same type that makes ice in curling and hockey rinks, is being used to form a 13-inch-thick road across 150 feet of the 300-foot-wide river. The rest of the 30-foot-wide route on the shallow river will be built up with snow and water.

Twin Bridges Sand and Gravel Limited, which has a \$293,500 contract to haul 200,000 tons of gravel into the city, is financing the span which is a few miles east of Edmonton. Canadian Ice Machine Company Limited, suppliers of the equipment, hope to have it completed Friday.

"The gravel firm feels the bridge will bear until late March the 25-ton payloads its trucks will carry."

WILL SAVE MONEY
"We expect to save 600,000 ton-miles and plenty of time by using the bridge," says controller N. J. Hertz. It costs from six to 10 cents a truck one ton of gravel one mile.

The trucks will save 3½ miles a haul by using the route, which leads directly into the city on lightly used roads. Six traffic bridges span the river in the Edmonton area.

Prof. R. M. Hardy, dean of civil engineering at the University of Alberta, suggested the ice bridge. Ordinarily, he explained Wednesday, lake and river ice is reinforced by spraying water over packed snow, allowing it to freeze and form a greater thickness.

However, city power and chemical plants warm waters in the North Saskatchewan's channel by the time they reach the northeast outskirts of Edmonton, near Twin Bridges' gravel quarry. The channel, coated thinly with ice, opens whenever temperatures rise much above Edmonton's frosty January mean of six degrees.

The refrigerant, a calcium chloride solution, will flow through 150-foot plastic pipes laid across the channel ice. It is hoped it will create a foot-thick coating of ice that will remain firm despite the warm, eight-knot current.

Orthodox methods will be used to make another foot or more of ice above the artificial layer, forming a solid bridge two to three feet thick.

"Two feet of ice will bear a 20-ton load," says Prof. Hardy. "When the artificial ice reaches the water, it won't rot away because of the refrigerant."

The element of risk is a rise in temperature, which could cause a flood or breakup in the ice. Either would mean loss of equipment.

"It was a big job getting river and road leases alone," says Lorene Clapson, general manager of Twin Bridges. "Let's hope it works."

If it does, the direct line to the city from the quarry will mean profit for the firm.

"We can sell the ice-making equipment later—we've already had offers," said Mr. Hertz.

China's Leaders Echo Khrushchev

By A. I. GOLDBERG
MOSCOW (AP)—Red China's leaders echoed Soviet Premier Khrushchev today and disputed reports of discord between the two big Communist countries.

Mao Tse-tung, chairman of the Chinese Communist party, hailed "the correct leadership" of Khrushchev, the "glorious example of the Soviet people" and the "shining summits" of their successes in science and technology.

His message to the 21st congress of the Soviet Communist party was read by Premier Chou En-lai. Mao is not attending.

Chou himself declared Soviet achievements would make possible in a day not far off the Communist defeat of "capitalism in the field of peaceful competition."

As Khrushchev did in a speech opening of the congress in the Kremlin Tuesday, Chou attacked "modern Yugoslav revisionists." He accused them of spreading false reports of disunity between Moscow and Peking.

"But all their attempts are in vain," Chou said. "The U.S.S.R., China and the countries of the

people's democracies are one and will unwaveringly advance with firm step along the highway of communism... their friendship is eternal."

Burke Electric
Authorized Dealer

Electrical Wiring
Repairing and Supplies
Oil Heating
Household Appliances
Television
112 Kent St.
DIAL 4021

Better Business Seen This Year

QUEBEC (CP)—The president of the Canadian Electrical Association says Canadian business can look forward to a better year in 1959.

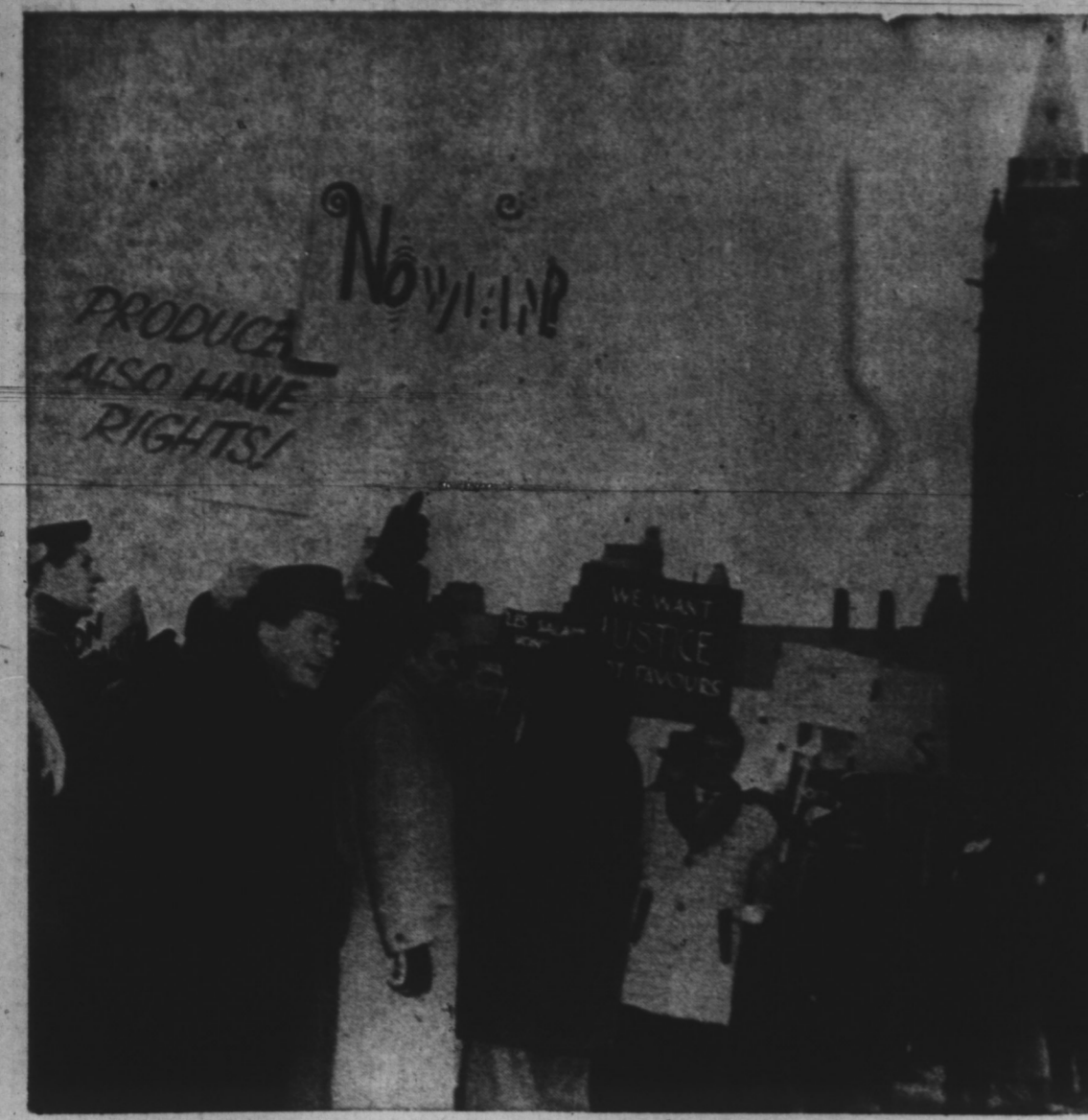
V. A. Ainsworth, who also is president of the Newfoundland Power and Light Company, told a luncheon meeting Wednesday here, that electrical output is a fair barometer of Canadian business. It is significant, he said, that the 1958 output increased at a greater rate than it did in 1957.

The 1958 increase in Canada's storehouse of developed electricity generating capacity was 14 per cent, he said. This increase—1,254,000 kilowatts, or about 2,500,000 horsepower—was the greatest in any year in Canada.

Total energy generated in 1958 was 96,400,000,000 kilowatt hours, compared with 90,000,000,000 in 1957.

NAVY BASE SCHOOLS
WASHINGTON (AP)—The U.S. Navy was reported Tuesday to be planning to ask federal money to operate racially integrated schools at the Norfolk navy base, if closed Norfolk schools do not open soon. Welfare secretary Arthur S. Flemming reported on the navy idea at a press conference.

most inexpensive salesman you can employ...
GUARDIAN - PATRIOT WANT AD
Phone 8506



STRIKERS PARADE ON PARLIAMENT HILL
About 1,500 demonstrators marched on Parliament Hill this week in support of producers in the CBC strike. The demonstrators waved placards, sang songs and presented petitions to Labor Minister Starr. (CP Wirephoto)

Review Year's Activity Of Kensington United Church

The annual meeting of Kensington United Church was held on Tuesday evening, January 13. The Rev. L.M. Murray presided and led in the reading of scripture and prayer. Mr. Verduyn Paynter was appointed secretary and the minutes of last year's meeting were read and approved.

In reviewing some of the highlights of the year, Rev. Murray gave thanks to God for mental, physical and spiritual aid, and for the great number of people who gave their time and talents in the local church and for the Kingdom of God.

During the year the congregation participated in the National Evangelistic Mission with emphasis on the Christian and His Daily Work. The Rural Life Conference at Bedouque, the Laymen's Evangelistic Mission led by the Rev. H.B. Jones of North Carolina when the work of the Holy Spirit was evident; Layman's Sunday Service; C.G.I.T. and Explorer Re-Affiliation Service with the W.M.S.; Christian Youth Week; W.M.S. Thankoffering service with Rev. Robert Latimer as guest speaker; Missionary Basket and White Gift Service.

MEETINGS
Among special meetings held in this church were: Older Boys Conference, Rally for C.G.I.T. leaders with Miss Orta Hennan, National Secretary of C.G.I.T.; Annual Lay Conference, C.G.I.T. Leaders Fellowship; Presbytery Dinner for Theological students and prospective church leaders.

The congregation was represented by two girls at Maritime C.G.I.T. Camp Council, five leaders at Summer camps and a number of campers, two delegates to Boys Parliament at Sackville, and a number of Boys Parliament at Charlottetown, and one student attending second year Theology at Pine Hill. Rev. Murray paid tribute to the work of the Christian Education Department, and especially to the devoted Sunday school teachers who every Sunday in the year give leadership, and who once a month attend a meeting of teachers and officers for worship business and teacher training study. The Sunday School now has a very high attendance with an enrollment of 120 and are overcrowded for class space. Harry Brown is the superintendent. Once a month Mrs. MacKenzie tells a missionary story.

FORMER PUPILS
The 14th annual Church Vocation School was held in July and it was encouraging to have a number of former pupils as members of the staff. Four C.G.I.T. groups under the leadership of Mrs. Robert Carruthers, Mrs. Duncan Picketts, Miss Dorothy MacKenzie and Mrs. Leslie Clark; a Sigma-C group led by Keith Moase and Errol Sharpe, and a Tuxis group led by the minister meet each Thursday evening for worship, study, business and recreation, and a Tyro group led by Verduyn Paynter and James Murphy; younger boy meets each Friday.

The Y.P.U. held interesting meetings and were represented on the Presbytery Executive at the Teen Age Conference at A.C.T.C. and also at Camp Wesecum. A large Explorer group was conducted by the Councilors, Mrs. L.M. Murray, Mrs. James Murphy, Mrs. Harold Palmer and Miss Margaret Murray. The Young Adult Group had as their Bible Study the Book of James and part of the Epistle to the Romans.

FIVE CHOIRS
As schools of sacred music, the minister directs five choirs of varying ages, including the Senior Choir, whose organists are Mrs. D. MacKenzie and Mrs. Russell MacKay, the Girls and Boys' Junior Choirs, the Men's Choir, and a choir for singing by note. A banquet was tendered the Senior by the Junior W.A. and Young Adults with Rev. Rob-

ert Crooks as guest speaker. Tribute was paid to the excellent work done each week by the Junior Choir Mothers, Mrs. Elwood Clark and Mrs. Everett Champion and to the ladies who assisted in making 15 extra choir gowns during the busy Christmas season.

The W.M.S. continues the trend of Christian Education with voluntary giving, relief work and study of other countries and people and also regular Bible study and prayer. Under its direction are the Mission Band and Baby Band led by Mrs. Frank MacEwen and Mrs. Roscoe Walker.

The Men's Association was well represented at the Stanhope Conference and a number of the men were responsible for the plans of this conference. As an outcome of the Stanhope Conference and the Evangelistic Mission a Men's Saturday Evening Fellowship has been formed for Bible Study and prayer.

Donations to many worthwhile causes were given by the Senior and Junior W.A. and the congregation is indebted to them for a modern kitchen and new chairs for the Assembly Hall.

Members removed by death were: Mrs. Matilda J. Ramsay, James Profit, Mrs. Bessie Donald, Thomas Wismore, David Clark and Bruce Paynter.

Expressions of appreciation were tendered Mr. and Mrs. Murray for their excellent leadership; the retiring auditors, Waldon Darrach and Mrs. Mattie MacKinnon; the chairman and secretary of the Board of Stewards, Gene Spicer and Everett Donald; the caretakers, Mr. and Mrs. Francis Paynter and Mr. and Mrs. James Murphy, Mr. and Mrs. Harry Brown and Miss Edna MacMurdo, Envelope stewards: Frank MacEwen and Willard Stewart for organizing ushers and platemen; Miss Dorothy MacKenzie for preparing Church Bulletins; Harry Brown, William Toombs and Nelson Casley for Manse Work.

Harry Brown was elected secretary treasurer and Miss Edna MacMurdo, Envelope Steward.

Two motions proposed by the chairman of the Board of Stewards, Mr. Spicer, viz., that the budget for 1959 be accepted, and that the stewards be granted the right to borrow up to \$600 for the installation of wash rooms were unanimously passed. It was also hoped that members would contribute their subscriptions to the Church papers and thus eliminate part of that lost from the budget which might be wisely used in procuring more hymn books.

A motion was also passed to authorize the session to arrange details for the electing of an elder to replace the late Bruce Paynter.

Encouraging financial reports were read by: the secretary treasurer, Harry Brown; treasurer of the Sunday School, Mrs. Harry Brown; Senior W.A., Mrs. P.J. Kennedy; Junior W.A., Mrs. Gene Spicer; W.M.S., Mrs. Alexander MacKay; Mission Band and Baby Band, Mrs. Roscoe Walker; Young Adult Group, Mrs. Robert Carruthers; Tyro, Verduyn Paynter; C.G.I.T. and Explorers, Miss Elizabeth Ramsay; Sigma-C, prepared by Keith Moase; Men's Association, Nelson Casley; A.C.T.C. campaign, Sterling Millar; The Session, Harold Laird; Kelvin Grove W.M.S., prepared by Mrs. Erskine MacMurdo.

Increased givings were noted envelope and loose offerings, M. and M fund and stipend. B.U.R.

Prince Philip Hailed By New Delhi Crowds

NEW DELHI (Reuters)—The Duke of Edinburgh was hailed with shouts of Long Live The Duke when huge crowds of Indians Monday as he toured exhibition grounds here displaying Indian achievements since independence.

The Duke and Prime Minister Nehru toured the "India 1958" exhibition after a glittering reception given by India's President Rajendra Prasad to mark Republic Day.

About 5,000 guests were invited to the gathering in the Moghul Gardens and strolled along paths lined with six-foot lancers, wearing scarlet coats and turbans.

The Duke earlier watched a two-mile parade celebrating the ninth anniversary of the proclamation of the Indian republic. The biggest crowd ever to assemble in New Delhi—estimated 2,500,000—turned out for the day.

Indian photographers boycotted a reception for the Duke, however, claiming they had been given "third rate treatment" by British High Commissioner Malcolm MacDonald.

Some 30 photographers said they resented the tone of a circular they received from the high commissioner saying they could take pictures only when the Duke arrived and departed and that between these times they should stand on a second-floor balcony.

Unemployment Claims Listed

OTTAWA (CP)—Claims for unemployment insurance benefits rose sharply in December from the November total, though they were down from the total of December, 1957.

Claims on Dec. 31 totalled 714,000 compared with 419,000 Nov. 28 and 744,000 Dec. 31, 1957, the bureau of statistics reported Wednesday.

HOWARD McINNIS
JANUARY SALE
McINNIS
SHOES REDUCED
McINNIS
OVERSHOES REDUCED
McINNIS
RUBBERS REDUCED
McINNIS
BARGAINS FOR ALL
HOWARD McINNIS
175 QUEEN STREET

DON'T BE COLD CALL US FOR FUEL ORDER NOW!
FOR PROMPT DELIVERY CALL 3583
CARVER BROS.
Parkdale, P.E.I.
● DIESEL OIL
● FURNACE OIL
● GASOLINE
● STOVE & FUEL OIL

FOLEY'S DRUG STORE
"THE QUALITY STORE"
WEEK-END SPECIALS

Noxzema LARGE SPECIAL 1.25	Suave Reg. 1.00. Special 79c
1.00 PLASTIC HAIR BRUSH	Helen Curtis Hair Spray Reg. 1.75 Spec. 1:25
FREE PEPSODENT with one TOOTH PASTE TUBE 89c	Helen Curtis Happy Hands Reg. 69c. 2 for 89c
STANDSTILL PROTEST NICOSIA, Cyprus (Reuters)—Streets were deserted as Greek Cypriot towns and villages observed a one-hour standstill Wednesday in symbolic protest against tax increases on bread, gasoline, land transfer duties and car registration fees.	Helen Rubenstein Cleansing Cream Reg. 4.00. Spec. 1:95
	BOX-STATIONERY Reg. 65c. Special 79c
	Listerine Reg. 65c. 2 for 89c
	Two Brush Comb & Mirror Sets Reg. 7.95 LESS 1/3
	Lip Sticks and Many Toiletries Going HALF PRICE

1554 miles for only \$19.50

Hamilton, Ont.
General Motors Products of Canada, Ltd.
OSHAWA, Ontario.

Gentlemen:
Recently I completed a trip on my vacation which took me through the following states—New York, Pennsylvania, Virginia, covering a distance of 1,554 miles in my Vauxhall Six Cylinder Model Velox Car at a gasoline cost of \$19.50 most of which was the American gallon, starting with a full tank and filling it up on my return. In round figures, the cost per mile was a shade better than one and one quarter cents with no oil or water added. I feel you will be interested in these figures as they represent real economy for a six cylinder car and the comfort in the ride was unexcelled.

In closing, I would like to say that this letter is unsolicited and written purely from a point of being satisfied with my Vauxhall and your service.

Yours very truly,
G.F. James
G.F. James

Vauxhall

THESE FEATURES ARE STANDARD AT NO EXTRA COST
Four Wide-Swinging Doors • Five and Six Passenger Comfort • Panoramic Vision • Spacious Trunk • 2-Speed Non-Stalling Electric Windshield Wipers • Heater and Defroster • Standard Steering Column Gear Shift Sport Car Handling • Level Ride Suspension • Spray Insulation Against Rumble and Road Noise.

THE BRITISH CARS BUILT AND BACKED BY GENERAL MOTORS...SERVICE EVERYWHERE ON THE NORTH AMERICAN CONTINENT

ALLISON MacLEOD LTD.
126 CUMBERLAND ST. PHONE 7364

GOODSPEEDS (P.E.I.) LIMITED
Charlottetown, P. E. I. PHONE 6571