

# Sun Spots Play Tricks On Ham Operators And Police

EDMONTON (CP) — The sun-spots are on the rampage again, bringing joy to amateur radio enthusiasts and confusion to some police wireless departments.

Sunspots enter a period of intense activity every 11 years and the present cycle reaches its peak next year. They cause eruptions of electrically-charged gases which penetrate the ionosphere surrounding the earth, and play strange tricks with wireless transmissions.

The Royal Canadian Mounted Police here report they are hearing messages from as far away as Quebec, although their radio equipment has a normal range of less than 100 miles.

Quebec in turn is receiving Edmonton calls, as well as some originating in France. And in Vancouver, police say they are monitoring police broadcasts from many parts of the United States.

**PUZZLES FOR OPERATORS**  
"It's all very confusing," said a Vancouver police official. "Some of the car numbers in the United States are the same as ours."  
Commercial firms are also having troubles. At Hinton, Alta., an oil company's car "34" got called to report to a certain location. The

driver had never heard of the place. Investigation showed an oil company in Corpus Christi, Tex., had been calling.

Meantime, amateur operators are having a wonderful time. One operator in Edmonton says he has worked with 191 countries, another, 137 countries, since last March. Distance is no problem. They've had contact with their counterparts in Cambodia, the Antarctic and a group of Russian explorers on a floating iceberg at the North Pole.

Scientists at the University of Alberta say the cycle has occurred every 11 years in the 100 years since records have been kept. At its peak next June, as part of the world-wide work being done in the International Geophysical Year scientists will make special studies of the sun-spot cycle. Whatever the scientific findings, long-distance wireless operators are enjoying the unusual conditions. Long-distance transmissions are bounced down from layers of electrified gas in the upper atmosphere, instead of from one layer to another and reaching an earth-bound set perhaps thousands of miles away. With the increased sunspots charging the upper atmosphere a radio transmission can arrive almost anywhere.

The Guardian, Page 11  
Thursday, Nov. 8, 1956

## Destroyer Escort To Be Launched Nov. 15

MONTREAL (CP) — The new anti-submarine destroyer escort Ste. Croix, will be launched at Sorel, Que., Nov. 15, it was announced from Royal Canadian Navy headquarters here Sunday.

## Liner Ascania Heads For Breaker's Yard

MONTREAL (CP) — The Cunard liner Ascania is due to leave here Wednesday on her last voyage to Southampton — and a breaker's yard.  
Decision to end the liner's 31-year career was announced recently by the Cunard Steamship Co. She made her maiden voyage to Montreal May 22, 1925.

The homes will be used by construction workers during the remainder of the building program. They will then be sold to Eskimos and Indians planning to live in Aklavik.

## Was First To Pilot Craft Over North Pole

ST. JOHN'S, Nfld. (CP) — A pioneer of polar aviation was decorated with the Distinguished Service Medal here Wednesday as he retired from the United States Air Force.

Col. Bernt Balchen, first man to pilot an aircraft over the South Pole, says his career is far from over. He is looking for something with some life, some sparkle in aerial transportation. Col. Balchen says he has received several offers but had so far made up his mind.

"One thing I'm certain I'm not going to do is sit with my hands in my lap," says Col. Balchen who still retains a Norse accent. He was born in Tveit, Norway, 57 years ago.

Col. Balchen began his Arctic flying career as pilot and engineer for explorer Roald Amundsen in 1926. He flew over the pole with Admiral Byrd's first Antarctic expedition in 1928.

Col. Balchen is known in Canada for his northern flying in the survey that established Fort

Churchill, Man., as a port. He flew from New York in 1931 to direct the search for survivors of the Viking, a sealing ship carrying a movie crew that blew up on the sealing grounds off northeast Newfoundland with heavy loss of life. Col. Balchen's flight to Newfoundland was delayed by poor weather, and a snowstorm had obliterated signs of survivors on the sealing ice. Some survivors reached Fogo Island safely.

He was in the Antarctic from 1933 to 1935 then went home to Norway where he remained until 1939 when he went to fly for the Finns against the Russians. He was with a mission to the United States to buy weapons for Norway when the Germans invaded his country. He joined the Royal Air Force, transferred to the United States Air Force in 1941 and worked with the office of strategic services flying supplies into Norway and flying out men and women who escaped the Nazis.

## New Aklavik Will Not Thaw Out Its Own Foundations

By JOHN E. BIRD  
Canadian Press Staff Writer  
OTTAWA (CP) — An ingenious method has been developed by federal engineers to ensure that Canada's new Arctic community of Aklavik will have sewer, water and other services as good as those in modern Canadian cities.

Plans have been completed by the northern affairs department for Aklavik's sewer and water mains, piping from a central hot water heating system and electrical and telephone circuits to be above ground in what is known as a utilidor.

The utilidor will help prevent a recurrence of conditions which have made unsuitable and unsanitary the present site of Aklavik, on a delta on the west bank of the Mackenzie River 70 miles south of the Arctic Ocean.

**PERMAFROST SUPPERS**  
The permafrost on which Aklavik now is located consists of equal proportions of silt and ice crystal. However, the permafrost's protective moss covering has been removed in most areas of the community.

As a result, the heat of summer and ground warmth created by buildings turns the permafrost into mud. Buildings sink and it is impossible to build adequate services such as sewage disposal.

These quagmire conditions won't be reproduced at the new townsite, on the east channel of the Mackenzie about 33 miles east of the present location. All buildings and services are being constructed in such a way that the moss covering will not be disturbed.

The utilidor will consist of some three miles of box-like structure, elevated above ground level on small trestles. Various pipes required for services will be carried inside the utilidor, linking homes and buildings with the water purification, sewage, heating and power plants and a central telephone system.

The space between the pipes in the utilidor, measuring six by four feet, will be packed with insulation to keep the system from freezing. The pipes for the hot water heating system also will help prevent freezing.

**PUMPS REQUIRED**  
The utilidor will follow the contour of the land and be elevated three to four feet above ground level. Elevation over roads will be high enough to permit vehicles to pass underneath. Pumps will be required to move water and sewage through the piping.

The utilidor is one of many methods being used at Aklavik's new 600-acre site, some 130 miles inside the Arctic Circle and 1,500 miles northwest of Edmonton, to prevent the permafrost from melting in summer.

The foundation for roads and buildings consists of a thick pad of sandy gravel laid on top of the moss, insulating the permafrost. The foundation for large buildings also consists of 30-foot poles driven into the permafrost, where they freeze solidly.

Construction of the utilidor and the water purification, sewage disposal and heating plants will start next year. Target date for completion of the four-year job of re-locating Aklavik at a cost of about \$10,000,000 is Oct. 1, 1957.

Officials of the northern affairs department said work at the site progressed on schedule last summer except for a delay attributed to the steel strike in the United States.

Suppliers delivered only four of nine earth movers required for construction of a four-mile road to the site of Aklavik's airport. As a result only 2 1/2 miles of the road were built.

**AIRPORT PLANNED**  
The airport which will link Aklavik permanently with the outside world, is expected to be completed in the summer of 1959. At present the Aklavik area is isolated during freeze-up and the spring breakup.

Plans also are nearing completion for a hospital, schools, an administration building and other larger-type structures. They will be built during the next three summers.

Workmen also completed construction last summer of a wharf, four large warehouses, a workshop and 64 small homes for Eskimos and Indians. Eleven such homes were built in the summer of 1955 and 17 more are planned, for a

## SALLY SHOPS

**Sale!**  
FIRST QUALITY NYLONS  
51 GAUGE  
15 DENIER  
3 Pairs \$1.90



NEW FALL SHADES  
DARK SEAMS  
**66c PAIR**

Sally SHOPS  
Great George St., Ch'town  
Also Summerside Branch

## Delicious!

Serve warm, generously buttered... a delicious tea-time treat. If you bake at home there's never a failure when you use dependable Fleischmann's Active Dry Yeast!

**ALMOND TWISTS**

- Measure into bowl: 1 cup lukewarm water, 2 teaspoons granulated sugar. Sprinkle with contents of 2 envelopes Fleischmann's Active Dry Yeast. Let stand 10 minutes, THEN stir well.
- Cream 1/2 cup butter or margarine. Blend in, part at a time: 1 1/4 teaspoons salt. Add the yeast mixture and 1 teaspoon vanilla. Stir in: 2 cups once-sifted all-purpose flour and beat well smooth and elastic. Work in an additional 2 1/4 cups (about) once-sifted all-purpose flour.
- Turn out on lightly-floured board; knead until smooth and elastic; place in greased bowl. Brush top of dough with melted shortening. Cover. Let rise in warm place, free from draft, until doubled in bulk—about 1 hour. Bake in moderate oven, 350°, 20 to 25 minutes. Yield: 34 twists.
- Punch down dough. Turn out and halve the dough; set one portion aside to shape later. Roll one portion into a 12-inch square. Spread 3/4 of square with half the crumb mixture. Fold plain third of dough over crumb mixture, then fold remaining third over top—making 3 layers of dough and 2 of filling. Cut rectangle into 18 strips. Twist each strip twice; place on greased cookie sheet. Press 2 or 3 blanch almonds into filling of each twist. Brush with melted butter or margarine; sprinkle with sugar. Shape second portion of dough in same manner. Cover. Let rise until doubled in bulk—about 1 hour. Bake in moderate oven, 350°, 20 to 25 minutes. Yield: 34 twists.

**NEEDS NO REFRIGERATION**



**ENTER NOW \$15,000 BAKEFEST CONTEST**

ENTRY BLANKS FOR CONTEST  
INSIDE EACH PACKAGE L.B. 29c

**EXTRA SPECIAL**

4 LB. PAIL 1.59  
16 OZ. ICE BOX JAR 43c

YORK PEANUT BUTTER

**STOCK UP NOW!**

12 OZ. TINS 75c

IDEAL FOR SNACKS, SANDWICHES, COLD PLATE OR FRYING

**LARD**

2 LB. FOR 39c

**TOMATO JUICE**

GIANT SIZE 48 OZ. TINS 33c

**DOG FOOD**

2 REG. SIZE 23c

**7c OFF SPECIAL MAPLE LEAF LIQUID DETERGENT**

12 OZ. TINS 33c

**DESSERT PEARS**

2 20 OZ. TINS 39c

**TOMATOES 2 TINS 49c**

MAPLE LEAF—TWO PIE SIZE—28 OZ. MINCEMEAT Tin 47c

**KAM LUNCHEON MEAT 12 OZ. TINS 43c**

**PORK & BEANS 2 20 OZ. TINS 39c**

**PICKLES 16 OZ. JAR 29c**

# FLAVOUR TRAIN SPECIAL FREE \$200.00 IN PRIZES

THREE DAY SALE. ON THIS SATURDAY NIGHT WE DRAW FOR AN ELECTRIC BLANKET — ELECTRIC STEAM IRON — ELECTRIC PERCOLATOR. NOTHING TO BUY—EASY TO ENTER. ONE ENTRY A DAY, BUT YOU CAN ENTER EVERY DAY. WINNERS MUST ANSWER CONTEST QUESTION.

<b>WIENERS</b>	MAPLE LEAF BULK PACK—LB.	33c
<b>PORK ROASTS</b>	FRESH SHOULDER PICNIC STYLE—LB.	47c
<b>PORK CHOPS</b>	LEAN & MEATY OR LOIN ROAST—LB.	69c
<b>SAUSAGES</b>	SUPERIOR BRAND D. & F. STYLE—LB.	43c
<b>BOLOGNA</b>	MAPLE LEAF SMOKED SLICED OR PIECE—LB.	27c
<b>STEAKS</b>	YOUNG TENDER STEER ROUND-SIRLOIN-T-BONE—LB.	59c
<b>HAMBURG</b>	FRESH LEAN 2 lb.	59c
<b>BACON</b>	MAPLE LEAF 1/4 LB. PKGS.	45c
<b>BEEF LIVER</b>	FRESH TASTY—LB.	27c
<b>CORNED BEEF</b>		Lb. 23c
<b>HADDOCK FILLETS</b>		Lb. 33c
<b>COD FILLETS</b>		Lb. 23c

## FRUIT DEPT.

FROM P. E. I. ORCHARDS  
McINTOSH RED APPLES 5 LB. BAG 59c

<b>GRAPES</b>	NEW EMPORER 2 lb.	33c
<b>PARSNIPS</b>	SNOW WHITE 2 lb.	19c
<b>TOMATOES</b>	PER CTN.	19c
<b>ORANGES</b>	SWEET JUICY 2 doz.	69c

**GRAPEFRUIT**

NEW CROP—EXTRA BIG AND JUICY  
FLORIDA PINK  
A REAL TREAT EAT 'EM OFTEN 6 FOR 49c

SAVE ON THIS SPECIAL BUY!  
BEAUTIFULLY DECORATED—69c VALUE  
GOOD CHINA

**CUPS & SAUCERS**

USEFUL FOR XMAS AND ANNIVERSARY GIFTS 3 ONLY 98c

**SUPER SUDS 2 LGE. PKGS. 59c**

**SOAP 4 REG. SIZE 29c**

**CAKE MIX Pkg. 29c**

**VANILLA BIG 8 OZ. BOTTLE 23c**

**COCOANUT LB. PKG. 25c**

**SHOE POLISH 2 TINS 25c**

NEWS AND VIEWS ON GROCERIES — CFCY TODAY — 11:00 a.m.  
MONTAGUE — SOURIS — VERNON RIVER and CHARLOTTETOWN

**CO-OP SUPER MARKET**

AN ISLAND STORE OWNED BY ISLAND PEOPLE  
BIG ENOUGH TO SERVE YOU - NOT TOO BIG TO APPRECIATE YOU  
FREE DELIVERY - PHONE 8557 - FREE CUSTOMER PARKING