

## NORTHERN DEFENSES OUTLINED

A joint statement issued in Ottawa and Washington has outlined the following measures which are being taken to guard against a surprise attack on North America by enemy bombers:

1. The preparatory work, such as the choosing and surveying of sites, is well advanced for a further North early warning system. This is the so-called McGill Fence.

2. The United States is extending an early warning barrier across the northeastern and northwestern sea approaches to the continent. These radar facilities probably are located mainly in Alaska and Greenland.

3. The basic radar chain, called Pinetree, is all but complete. It is located nearer the concentrations of population and is linked to fighter aircraft control by a high frequency radio and land lines communications system.

Associate Defense Minister Campney said: "Early warning of pending air attack becomes increasingly important day by day as our only potential attacker develops longer range aircraft and as it progresses from possession of the atom bomb to the hydrogen bomb and after that to perhaps now undreamed-of methods of destruction."

Mr. Campney said that the hope is that the construction of the McGill Fence would begin this year. It is called the McGill Fence because the equipment for it was designed, produced and tested largely at McGill University.

The statement said that in addition to the various fixed warning devices "the development of airborne radar is well advanced." This is taken to mean the development of equipment that would enable the CF-100 to hunt down and attack invaders in all kinds of weather.

"In addition to those measures of common concern," said the announcement, "both countries are working continuously to improve the air defense installation in the vicinity of the major target areas."

"Here, too, co-operation between the United States and Canadian air defense commanders is close, and unidentified aircraft are investigated by the most immediately available interceptor force, whether Canadian or American."

### Aviation Electric To Open Plant In Vancouver

Aviation Electric Limited of Montreal will commence construction shortly of a \$120,000 plant at Vancouver Airport. The new facility, to be known as Aviation Electric Pacific Ltd., will employ up to 60 personnel in the repair and overhaul of aircraft accessories and instruments for RCAF and civilian operators.

Aviation Electric Pacific will begin operation next July under the management of Harold Ollis, who has been representing Aviation Electric in Vancouver for a year.



Wm. E. Corfield

William E. Corfield has been appointed manager of the Aviation Division, The Weatherhead Company of Canada, Ltd., St. Thomas, Ontario.

Before joining Weatherhead, he served as information officer for the Air Industries and Transport Association. He was connected with the Department of Defense Production for a year during which he conducted a special survey of aircraft manufacturing potential. For eight years, he was aviation and military writer for the London Free Press.

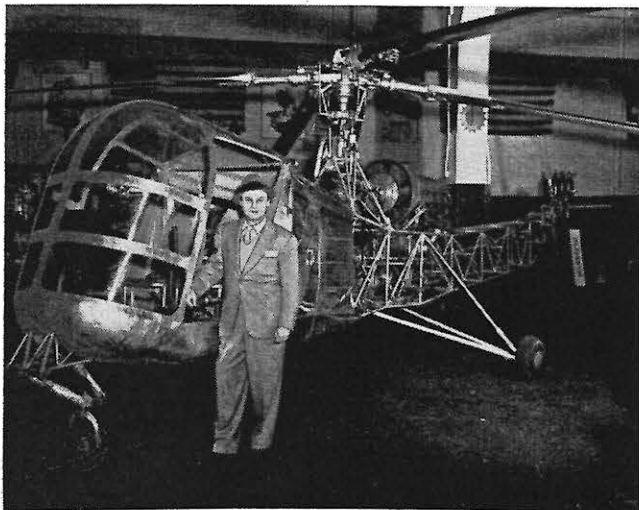
Mr. Corfield flew as a pilot for the Royal Canadian Air Force in World War II.

### Mercator B-4 Computer

The new Mercator B-4 Computer in high speed and ordinary versions is being offered for sale in Canada by the newly-established Coltex Trading Co., 4750 Avenue, Montreal. Made in Bergen, Holland, by the parent company, the computer is used by many airlines and air forces and is now being tried for possible use by the RCAF.

J. H. Blein, who developed the computer, recently founded the Montreal company with his partner, R. Ellis.

The computer can be used for operating the biggest airliner or the smallest private airplane, including the fastest jet aircraft. Problems relating to pressure pattern navigation, radio altimetry or single heading flying may thereby be solved. Other advantages claimed by the makers in addition to versatility are increased accuracy, unit-conversions, prevention of errors and time saving factors.



CANAMERICAN'S SGVI, Canada's only commercially-approved helicopter and soon to be assembled in Canada with Canadian fuselages. The aircraft is to be produced later as a complete unit both in Canada and the United States.



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