

# aviation intelligence

## Defense Policy Shift

Cabinet level decisions on Canada's defense program announced late last month have placed the Royal Canadian Air Force on a course out of the manned-aircraft field and into the all missile defense era. Highlights of Prime Minister Diefenbaker's outline of defense policy:

No immediate production of the Avro CF-105 Arrow but continuation of the present development program on airframe and engine until next March at which time a further decision will be made in the light of existing circumstances.

Cancellation of the Astra navigation, flight and fire-control system and also of the Sparrow 2 air-to-air missile designed specifically for the Arrow weapons system.

Purchase of Boeing Bomarc ground-to-air missiles to be put into service by the Royal Canadian Air Force, initially at two bases—one in Northern Ontario, the other in Quebec.

Improvement and extension of the Pinetree radar line to include increase of range and coverage and installation of SAGE system for plotting and guidance of weapons.

Determined effort to integrate U. S. and Canadian defense production programs under the joint North American Air Defense system concept to ensure Canadian industry participation in the Bomarc and future programs.

If the Arrow goes into production it will be with an existing fire-control and missile system of U. S. design.

## Free WHEELing

A Wheeler Airlines DC-4 dead-heading overseas for an immigrant charter flight may have come up with something resembling a range record for the aircraft. Originating at Frobisher, Baffin Island, after a regular DEW Line resupply flight from Montreal, the aircraft was scheduled to touch down in Scotland for refueling before going on to Vienna to pick up passengers. Fuel state over Scotland was such that the captain was able to avoid a landing in marginal weather and press on to Vienna direct. Total flight mileage was about 3,700 miles, airborne around 17 and one half hours.

## DECCA in Canada

Future operation and development of the Bendix-Decca air and sea navigation system in Canada was understood to be under consideration by top level Department of Transport officials at press time. Indications are that DOT will place prime emphasis on marine navigation coverage in any immediate extension of the present three-chain network which covers a 1,000,000 square mile area from Newfoundland to Eastern Quebec. However, the most logical addition to the system, a link providing marine coverage of the treacherous but vital Strait of Belle Isle and Anticosti Island region would be located so as to provide Decca air coverage for Goose Bay. This would provide full Decca coverage of the Canadian air ap-

proaches off the main North Atlantic air routes now served by the long range Decca navigation system. Discussions scheduled for sessions of the International Civil Aviation Organization early next year as seen as crucial to over-all acceptance of the Decca system by the world's air operators.

## CL-41 Roll-Out

Canadair's CL-41 pure jet basic trainer is scheduled to roll out of the company's Montreal plant about the middle of next month (Nov. 14 is the specific date on Canadair's production program). The company is building an initial two aircraft as a private venture. They are to be powered by a Fairchild J-83-R-1 lightweight turbojet engine, a power plant which has seen service in target drones but is getting its first aircraft installation in the Canadair ab-initio trainer.

## Canadian, Bomarc Link

A long range communications system which is to provide a vital link in the United States Bomarc "B" ground-to-air guided missile installations has been developed by Canadian Westinghouse Co. Ltd. of Hamilton. Consisting of super high frequency scatter equipment that sends signals beyond the horizon, the system will be used initially in the establishment and testing of ground control in the missile defense organization. The order received by the Canadian company is for a multi-channel voice and radar link to be installed as part of the control system. It is a part of a \$10,000,000 contract awarded Westinghouse Electric Corp. in the U. S. by Boeing Airplane Co. of Seattle, prime contractor on the Bomarc project. The Canadian firm's work on the communications system is expected to eventually amount to about \$1,000,000. Interest in the lightweight scatter system engineered and built by Canadian Westinghouse has been indicated by Sweden and South American countries.

## Twin Pioneer Demonstration

Scottish Aviation Ltd. of Prestwick is making plans for demonstration of a Pratt & Whitney engine powered Twin Pioneer in Canada next spring. No definite date has yet been set for the demonstration, but the company is understood to be contemplating a determined selling effort on the versatile STOL aircraft in North America. The conversion from Alvis Leonides engine is understood to be under way.

## F-27s to Quebecair

Quebecair Inc. has taken delivery of its two F-27 Friendship turbo-prop airliners from Fairchild Engine and Airplane Corp. The Quebec carrier, with headquarters at Rimouski, has announced plans to have the Rolls-Royce Dart powered aircraft in service on its routes later this month.