

MARCH

CANADIAN AVIATION

1951

TO MANUFACTURE HARVARDS, ENGINES

SUPPORT AIR TRAINING, OPERATIONS WITH 3,000 AIRCRAFT. AID SUPPLIERS

Manufacture of 3,000 new aircraft to power a boosted air training plan and supply 40 RCAF squadrons was predicted by Defense Minister Brooke Claxton in a preparedness announcement in parliament recently. New features of this high-gear program include:

1. A contract with Canadian Car & Foundry Co. Ltd. to build 1,000 Harvards, probably at the Fort William plant where Hurricanes were produced during the last war. A total of \$65 millions is involved in this trainer order.

2. An order with Canadian Pratt & Whitney Aircraft of Canada Ltd. to manufacture Wast Junior engines, to power the Harvards. This will be the first Canadian venture in piston-engine manufacture. Such a project was considered during the last war but was rejected when it was found that the necessary engines could be obtained from the U. S.

Meantime, the Canadair Sabre F-86E assembly line has started deliveries, while the Orenda engine and CF-100 twin-jet fighter projects are being pushed at the Avro Canada plant. There are strong indications that quantities of the Canadian-made Sabre will be supplied either to the United Kingdom or to NATO for defense of Western Europe.

Some of the snags impeding jet engine production were being cleared while Avro proceeded with construction of its new engine plant near Malton. Negotiations were well advanced for the establishment of a Canadian plant

to specialize in turbine blade forgings.

To accelerate production of magnesium castings for the Orenda, government funds probably will be advanced to Dominion Magnesium Ltd., near Renfrew, Ont., for plant expansion.

Air Research Centre Planned at Uplands

Creation of a National Aeronautical Establishment to specialize in aviation research was announced in Ottawa and discussed by Dr. O. M. Solandt, Director of the Defense Research Board, during a speech at the annual meeting of the Royal Canadian Flying Clubs Association.

Canadian aircraft and engine developments have outpaced the research facilities. The new establishment would provide laboratories and other facilities where scientists could conduct research on guided missiles and fighter aircraft. At first, the NAE will consist of the aeronautical research elements of the Mechanical Engineering Divi-

sion of the National Research Council, Dr. Solandt said.

Director of the new establishment will be J. H. Parkin who for some years has directed NRC aeronautical research.

Board of Enquiry Convening Here

The French Board of Inquiry, created to investigate the circumstances of the accident to the Douglas DC-4 aircraft CF-EDN (Canadian Pilgrim) operated by Curtiss-Reid Aircraft, in the French Alps on Nov. 13, 1950, has come to Canada to continue its investigations.

Russell Will Direct Aircraft Production

Joseph Russell, 45, aeronautical engineer with years of experience in aircraft production in Canada and the United States has been named head of a new Aircraft Production Division of the Dept. of Trade & Commerce, according to an announcement from Ottawa. Mr. Russell was ass't general manager of Canadian Car & Foundry Co. before joining the government.

F-86E Assembly Line Rolling at Canadair

Montreal — For the first time in Canada, a snub-nosed F-86E Sabre jet fighter plane just off the assembly line at Canadair's plant in nearby Cartierville took to the air for a public demonstration flight on Feb. 6.

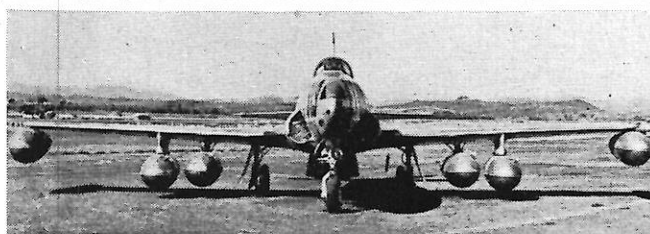
With test pilot Glen Lynes at the controls, the plane trailed a white plume across the crisp winter sky while Defense Minister Brooke Claxton, cabinet ministers, other Ottawa notables, looked on.

The F-86E still wore its factory paint job, but this newest development of the F-86 fighter planes flew like a runaway comet as pilot Lynes put it through a crackling exhibition of aerobatics.

Built by Canadair under license from North American Aviation Inc., the new plane holds the official world's speed record at an admitted 670 mph. It is the latest configuration of the F-86 series, featuring many improvements on the original F-86A.

The demonstration was the highlight of an official inspection tour of Canadair's military aircraft production and plant facilities.

"The change in production since I was here with Emmanuel Shinwell (U. K. Defense Minister who visited Canadair last November) has been tremendous," Mr. Claxton told newsmen following the tour. "At that time only one or two aircraft were moving along the assembly line, but now they are really starting to roll. A number of the 81 now on the line are either nearing completion or already have been finished."



F-80 WITH FIRE BOMBS—Photographed in Korea, this Lockheed F-80 jet fighter is loaded with six 110-gal wing drop tanks containing the deadly napalm (jellied gasoline). Tanks are dropped from low level in front of the target, which is engulfed in flames. Combat reports reveal that the F-80s flew 26,356 sorties during the first seven months of Korean fighting. These jets dropped 1,662 tons of bombs and fired 49,873 rockets plus 19,810,852 rounds of ammunition during the period to the end of January.

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