

DDP on behalf of the USAF. The equipment is being installed as part of the North American integrated defence system.

The first delivery was on schedule. A sizable proportion of this height-finding radar order has been sub-contracted out to Canadian suppliers. It is expected to be completed in the final quarter of 1960.

Change of Name

Whittaker Electronics Ltd., Ottawa, has taken over representation of firms previously represented by E. E. Whittaker. Stock of several lines will be maintained at the Ottawa office.

Canada Exports Brains

The export of Canadian brains to the U.S., especially in the engineering ranks, has accelerated at an alarming rate in the past 24 months. This fact was evident in the recently published U.S. Dept. of Immigration figures which show that although the total number of Canadians moving southward is down, the percentage of professional people is drastically up.

In two six-month periods in the last 24 months, the outflow of Canadian-born and Canadian-trained engineers jumped almost 100% from 357 to 713.

Following the Avro Arrow debacle last year, the number of aeronautical engineers leaving for American pastures soared 850%.

During the entire year of 1958, the total number of Canadian engineers emigrating to the U.S. was 720. In the first six months of 1959 (and the last period for which figures are available), a total of 713 engineers moved out.

Contracts Awarded

Contractors awarded business in excess of \$10,000 by the Department of Defence Production during the period February 1-29, 1960, include the following. The list does not include orders placed by the Department outside Canada, or with other agencies or increases in orders placed earlier—nor do orders classified as secret appear here.

Names appearing in bold face are current AERIAL advertisers.

Anglo-Canadian Wire Rope Co. Ltd., Montreal, \$11,288, for aircraft towed target gear.

Aviation Electric Ltd., Montreal, \$10,400 for aircraft oxygen equipment.

British American Oil Co. Ltd., Toronto, \$189,115, for aviation turbine fuel during year ending March 31/61.

Burndy Canada Ltd., Scarborough, \$13,800, for electrical equipment.

Canadian Petrofina Ltd., Montreal, \$1,826,240, for aviation turbine fuel during year ending March 31/61.

Cities Service Oil Co. Ltd., Toronto, \$511,270, for aviation gasoline during year ending March 31/61.

Computing Devices of Canada Ltd., Ottawa, \$500,000, for aircraft navigational aids.

Computing Devices of Canada Ltd., Ottawa, \$23,400, for course selector indicators.

De Havilland Aircraft of Canada Ltd., Toronto, \$19,923, for technical services.

De Havilland Aircraft of Canada Ltd., Toronto, \$42,726, for airframe components.

Gasaccumulator Co. (Canada) Ltd., Toronto, \$29,274, for aerodrome lighting equipment.

B. F. Goodrich Canada Ltd., Kitchener, Ont., \$38,821, for aircraft components.

Goodyear Tire & Rubber Co. of Canada Ltd., Toronto, \$16,374, for aircraft components.

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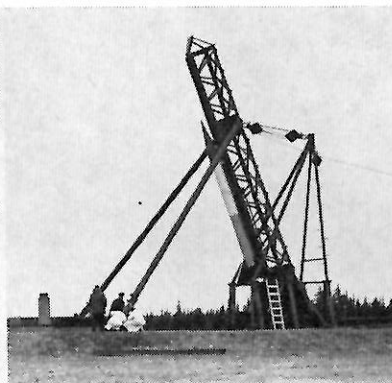
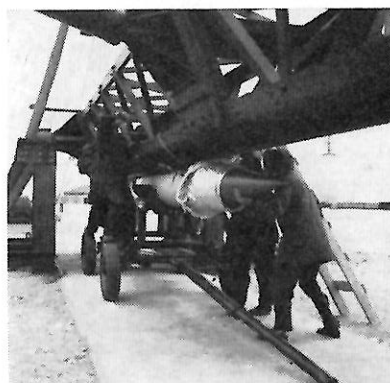
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BLACK BRANT: Shown being placed on inclined launcher at Fort Churchill, Man., is the 17-inch Black Brant rocket engine developed by the CARDE. Right: scientists and technical personnel position the Canadian-developed propulsion test vehicle on the launcher. Four of the vehicles were successfully fired last September. The Black Brant was fabricated by Bristol Aero-Industries' Winnipeg Division.



CL-41 EVALUATION TEAM: During March an RCAF evaluation team gave the Canadair CL-41 a week-long work-out. Seen here from left to right are: F/L M. G. Sauder, of CFS; Ian McTavish, Canadair test pilot; F/L K. Waterhouse, of AFHQ; F. C. Phillips, of Canadair; S/L R. J. Hamilton, AFHQ; and Hedley Everard, of Canadair. The three Air Force pilots made preliminary flight evaluations of the new jet trainer.

Honeywell Controls Ltd., Toronto, \$1,600,000, for automatic flight control systems.

Imperial Oil Ltd., Ottawa, \$525,413, for aviation gasoline during year ending March 31/61.

Imperial Oil Ltd., Ottawa, \$5,285,643, for aviation turbine fuel during year ending March 31/61.

Instronics Ltd., Stittsville, Ont., \$17,820, for radar test sets.

Maritime Helicopters Ltd., Montreal, \$46,600, for charter of helicopter.

Plessey Co. of Canada Ltd., Montreal, \$4,970,291, for communication equipment.

Railway & Power Engineering Corp. Ltd., Montreal, \$1,658,561, for aircraft instruments.

Rolls-Royce of Canada Ltd., Montreal, \$25,000, for aero engine components during year ending March 31/61.

Rolls-Royce of Canada Ltd., Montreal, \$10,000, for aero engine engineering change kits.

Shell Oil Co. of Canada Ltd., Toronto, \$54,437, for aviation gasoline during year ending March 31/61.

Wainwright Producers & Refiners Ltd., Edmonton, Alta., \$202,200, for aviation turbine fuel during year ending March 31/61.

Koppers of Canada Ltd., Toronto, \$58,570, for manufacture and installation of exhaust silencer for high speed wind tunnel—Uplands, Ont.

Abercorn Aero Ltd., Montreal, \$15,000, for repair & overhaul of air/sea rescue equipment during year ending March 31/61.

Aviation Electric Ltd., Montreal, \$1,652,867, for aero engine components.

Aviation Electric Ltd., Montreal, \$25,000, for aircraft electrical and instrument equipment during two years ending March 31/62.

Bach-Simpson Ltd., London, Ont., \$10,093, for aircraft instruments.

Canadair Ltd., Montreal, \$302,064, for aero engine components.

Canadair Ltd., Montreal, \$98,794, for aircraft components.

Canadair Ltd., Montreal, \$57,950, for aircraft system trainer.

Canadian Applied Research Ltd., Toronto, \$22,000, for technical services.

Canadian Marconi Co., Montreal, \$73,819, for electronic tubes.

Canadian Pratt & Whitney Aircraft Co. Ltd., Longueuil, Que., \$85,000, for repair & overhaul of helicopter airframes and airframe components during period ending March 31/60.

Cities Services Oil Co. Ltd., Toronto, \$419,200, for aviation gasoline during year ending March 31/61.

Collins Radio Co. of Canada Ltd., Toronto, \$27,027, for electronic components.

De Havilland Aircraft of Canada Ltd., Toronto, \$16,000, for technical services.

Goodyear Tire & Rubber Co. of Canada Ltd., Toronto, \$72,632, for aircraft components.

Imperial Oil Ltd., Ottawa, Ont., \$1,160,850, for aviation gasoline during year ending March 31/61.

Rolls-Royce of Canada Ltd., Montreal, \$10,000, for repair & overhaul of aero engines and aero engine components during year ending March 31/61.

Shell Oil Co. of Canada Ltd., Toronto, \$11,691, for aviation turbine fuel during year ending March 31/61.