

approximately 150 technicians and engineers.

CAE is presently in production on orders for 25 F-104 simulators for the RCAF and NATO countries of Europe. The program will require three more years to complete.

## Jarry Interest Sold

The Dominion Brake Shoe Co. Ltd., Montreal, has purchased a minority interest in Jarry Hydraulics Ltd. Jarry is a leading Canadian producer of aircraft landing gear and steering systems, and is a major manufacturer of hydraulic servovalves, pumps, actuators, and power flight control systems.

According to Fernand Jarry, president of the Montreal firm bearing his name, no changes in management or personnel are contemplated as a result of the new association.

Dominion Brake Shoe is a wholly-owned Canadian subsidiary of American Brake Shoe Co. The purchase was made for cash, and the price was not disclosed.

## NATO F-104 Parts

Additional contracts totalling \$1.8 million have been received by Canadair for the supply of F-104G parts and components for aircraft being built in Italy, as well as for aircraft under manufacture in Germany, Belgium and the Netherlands.

One of the new contracts calls for Canadair to build partially-completed sections of the wing, aft fuselage and tail for the Italian produced F-104G's. This contract, received from Lockheed, is valued at approximately \$847,000.

Other contracts, amounting to \$500,000, have been received directly from Germany, Belgium and the Netherlands.

## U. K. Merger

Armstrong Whitworth Aircraft Ltd., and the Gloster Aircraft Co., Ltd., both subsidiaries of the Hawker Siddeley group, have announced intentions to merge operations. The new company is to be known as Whitworth Gloster Aircraft Ltd.

## A. V. Roe Deal?

A. V. Roe Canada Ltd. has announced that it has an option to purchase Cerlist Diesel Inc., of Burlington, N.C. Cerlist is a small research and development company in the Diesel field with assets between \$1 and \$2 million.

According to Harvey R. Smith, A. V. Roe Canada executive vice president, if the option is exercised, his company will have to invest a con-

siderable amount to prepare for the production of Diesels in Canada. Most of the units would be assembled in Burlington, N.C., and sold in the U.S. To do this, a new company would be set up in Burlington. Cerlist would retain a stock interest in this company, receiving royalties on engines sold.

## CL-41 On Tour

At the very time that the Canadian Government was announcing its decision to purchase Canadair's CL-41 jet trainer, the prototype aircraft was on a five-week demonstration tour of Europe. Heading up the tour is Hedley J. Everard, director of tactical aircraft sales. Ian MacTavish, assistant chief pilot in the engineering flight test department, is flying the aircraft in demonstrations.

During the tour, the CL-41 is being shown in Germany, Sweden, the Netherlands, Belgium and Switzerland. All of these countries had expressed a prior interest in the basic jet trainer designed and built by Canadair. Germany and Sweden in particular are believed to be prime prospects. German interest centres on the CL-41R systems trainer, while Sweden is interested in the CL-41A basic trainer.

## CEL Expands Further

Combined Enterprises Ltd. has purchased Paramount Gear Works Ltd., of Toronto. This latest acquisition, the fourth such in the last four months, raises the total of manufacturing subsidiaries in the expanding CEL group to 12 companies. The purchase price was not disclosed.

Paramount Gear Works produces cut gears up to 30-inch diameter, and also specializes in fine pitch, high precision gears. These are used in computing equipment, airport radar installations, and other precision instruments.

## Contracts Awarded

Contractors awarded business in excess of \$10,000 by the Department of Defence Production during the period June 16 - August 15, 1961, 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 AIRCRAFT advertisers.

**Aviation Electric Ltd.**, Montreal, \$68,755 for aircraft spares.

**W. L. Ballentine Co. Ltd.**, Toronto, \$33,428 for aircraft towing tractors.

**Boeing of Canada Ltd.**, Arnprior, Ont., \$350,000 for repair & overhaul of helicopters during year ending March 31/62.

**Canadair Ltd.**, Montreal, \$465,000 for airframe spares during year ending March 31/62.

**Canadian Car Co. Ltd.**, Port William, Ont., \$27,982 for aircraft spares.

**Canadian Curtiss-Wright Ltd.**, Toronto, \$24,078 for aero engine spares.

**Canadian Curtiss-Wright Ltd.**, Toronto, \$34,048 for aircraft propeller testers.

**Canadian Pratt & Whitney Aircraft Co. Ltd.**, Longueuil, Que., \$131,711 for aero engine spares and tools.

**Canadian Pratt & Whitney Aircraft Co. Ltd.**, Longueuil, Que., \$11,145 for propeller spares.

**Computing Devices of Canada Ltd.**, Ottawa,

\$45,920 for repair & overhaul of electrical/electronic equipment during year ending March 31/62.

**Field Aviation Co. Ltd.**, Malton, Ont., \$25,420 for spares for aircraft servicing equipment.

**Fleet Manufacturing Ltd.**, Fort Erie, Ont., \$26,501 for spares for aircraft servicing equipment.

**Garrett Manufacturing Ltd.**, Rexdale, Ont., \$40,371 for repair & overhaul of electrical/electronic equipment during year ending March 31/62.

**Godfrey Engineering Co. Ltd.**, Lachine, Que., \$328,200 for aircraft servicing equipment.

**Lund Aviation (Canada) Ltd.**, Montreal, \$63,362 for modification kits, spares and literature for the modification of runway arrester barriers.

**Pennsalt Chemicals of Canada Ltd.**, Oakville, Ont., \$35,334 for aircraft cleaning compound.

**Rousseau Controls Ltd.**, Montreal, \$15,305 for aircraft servicing equipment.

**Sperry Gyroscope Co. of Canada Ltd.**, Montreal, \$138,680 for aircraft instrument.

**Sperry Gyroscope Co. of Canada Ltd.**, Montreal, \$13,018 for electronic tubes.

**Aviation Electric Ltd.**, Montreal, \$20,175 for spares for aircraft oxygen equipment.

**Aviation Electric Ltd.**, Montreal, \$57,611 for aircraft instruments.

**Aviation Electric Ltd.**, Montreal, \$33,813 for aircraft forged aluminum wheels.

**Canadair Ltd.**, Montreal, \$781,000 for design engineering, supply and fitment of instrumentation to aircraft.

**Canadian Car Co. Ltd.**, Fort William, Ont., \$12,274 for airframe spares.

**Canadian Curtiss-Wright Ltd.**, Toronto, \$32,138 for propeller spares.

**Collins Radio Co. of Canada Ltd.**, Toronto, \$37,562 for maintenance spares for flight systems.

**Computing Devices of Canada Ltd.**, Ottawa, \$10,000 for technical representative during period ending March 31/62.

**Computing Devices of Canada Ltd.**, Ottawa, \$25,878 for spectrometer.

**DeHavilland Aircraft of Canada Ltd.**, Toronto, \$24,214 for aircraft propeller spares.

**Field Aviation Co. Ltd.**, Malton, Ont., \$10,000 for aircraft spares during year ending March 31/62.

**Texaco Canada Ltd.**, Montreal, \$22,480 for aviation turbine gasoline during 1961 navigation season.

**Timmins Aviation Ltd.**, Montreal, \$250,000 for repair & overhaul of airframes and airframe components during year ending March 31/62.

**Aviation Electric Ltd.**, Montreal, \$155,303 for aircraft wheels.

**Aviation Electric Ltd.**, Montreal, \$32,611 for aircraft instruments.

**Canadair Ltd.**, Montreal, \$235,000 for X-ray inspection, repairs and reinforcements of aircraft wing stringers during year ending March 31/62.

**Canadian Aviation Electronics Ltd.**, Montreal, \$23,000 for technical representatives during period ending March 31/62.

**Canadian Curtiss-Wright Ltd.**, Toronto, \$24,431 for aero engine spares.

**Canadian General Electric Co. Ltd.**, Toronto, \$397,898 for turboshaft aircraft engines.

**Canadian Pratt & Whitney Aircraft Co. Ltd.**, Longueuil, Que., \$12,294 for aero engine spares and tools.

**Goodyear Tire & Rubber Co. of Canada Ltd.**, Toronto, \$36,694 for aircraft tires.

**Northwest Industries Ltd.**, Edmonton, Alta., \$800,000 for repair and overhaul of aircraft and provisioning of spares and materials during year ending March 31/62.

**Patlon Aircraft of Canada Ltd.**, Toronto, \$13,719 for adaptors.

**Aircraft Appliances & Equipment Ltd.**, Rexdale, Ont., \$15,360 for technical publications.

**Avro Aircraft Ltd.**, Toronto, \$17,203 for technical representative during year ending March 31/62.

**Computing Devices of Canada Ltd.**, Ottawa, \$256,296 for radio sets.

**Anthony Foster & Sons Ltd.**, Toronto, \$56,415 for direction finder sets and equipment.

**Godfrey Engineering Co. Ltd.**, Lachine, Que., \$81,144 for cabin and electronic compartment pressure testers.

**Lund Aviation (Canada) Ltd.**, Montreal, \$11,689 for winches.

**Lund Aviation (Canada) Ltd.**, Montreal, \$11,163 for aircraft arresting equipment.

**North West Sportswear Co.**, Toronto, \$64,653 for flight clothing.

**Orenda Engines Ltd.**, Toronto, \$15,000 for research contract.

**Spartan Air Services Ltd.**, Ottawa, \$170,859 for radar altimetry by airborne profile recording.

**Standard Aero Engine Ltd.**, Winnipeg, Man., \$10,000 for aero engines engineering studies during period ending March 31/62.

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