

The Industry



THE MALTESE CROSS flies over strange country as West German F-104F two-place Starfighters wheel high over California's Mojave Desert. Aircraft are manned by team of six German pilots who recently completed Starfighter flight training course. Bulk of W. German Starfighters will be single-place F-104G's.

New Canadian Bushplane

A rugged new Canadian bushplane in the 2700 lb. gross weight class, the Found FBA-2A, is rapidly nearing completion at the Malton, Ont., plant of Found Bros. Aviation Ltd.

Of all-metal construction, the FBA-2A is a high, cantilever wing monoplane designed specially for freight and passenger operations in undeveloped areas.

It is amply powered by a Lycoming 0-540 rated at 250 hp for take-off (SL) and swinging a McCauley constant speed propeller.

Deliver Argus OFT

Last month the RCAF accepted from Canadian Aviation Electronics Ltd., an operation flight trainer (OFT) for the Argus maritime patrol aircraft.

The new trainer cost something less than a million dollars but is expected to save the government hundreds of thousands annually in aircrew training costs. It will also allow the RCAF to obtain maximum utilization of its Argus fleet on maritime patrol work, instead of diverting aircraft from operational use to training purposes.

The Argus OFT simulates the flight characteristics of the largest military aircraft in the RCAF today.

CAE, which to date, has produced all the flight simulators manufactured

in Canada has also recently completed delivery on orders for 12 general purpose trainers and four maritime radar trainers. The company is currently working on a highly complex tactical simulator for training RCAF aircrew in antisubmarine warfare tactics.

Avro Canada in Europe

A management representational office in Europe has been established by the Aeronautical Group of Companies of A. V. Roe Canada Ltd. Douglas Edwards, former RCAF air attache at the Canadian embassy in Bonn, West Germany, has been appointed technical sales manager, Europe, with headquarters at Bonn. Mr. Edwards retired from the Air Force March 31 with the rank of Group Captain.

As manager of the European office, Mr. Edwards will be representing Avro Aircraft Ltd., Orenda Engines Ltd., Canadian Applied Research Ltd., and Canadian Steel Improvement Ltd.

It will be recalled that the Aeronautical Group earlier established a U.S. representational office in Los Angeles, with W. A. Stephens as technical sales manager.

"The European and U.S. offices," said Harvey R. Smith, executive vice president, aeronautical, A. V. Roe Canada Ltd., "will work with commercial firms and armed forces in the

formulation of requirements and . . . cooperate with industry in satisfying these requirements through the application of . . . Group facilities and capabilities."

Ideas Department at CL

A new department at Canadair has been established to devote itself to research and analysis for the evolution of new systems which will be of immediate or potential future use to customers or to Canadair itself. Named advanced systems planning department, it has been established within the missiles & systems div., but will be at the service of the whole company.

Already the new organization has undertaken studies toward widely varied projects. These include the fields of anti-submarine warfare, air defence systems, industrial automation, and aircraft survival probabilities.

Head of the new department is W. Stewart Geddes, formerly section chief of the weapons systems unit in missiles & systems.

Avian 2/180 Wrecked

The prototype Avian 2/180 Gyroplane, designed and built by Avian Industries Ltd., Georgetown, Ont., was wrecked last month during taxi trials at Waterloo Wellington Airport. Pilot of the prototype at the time of the accident was Emil Zuber.

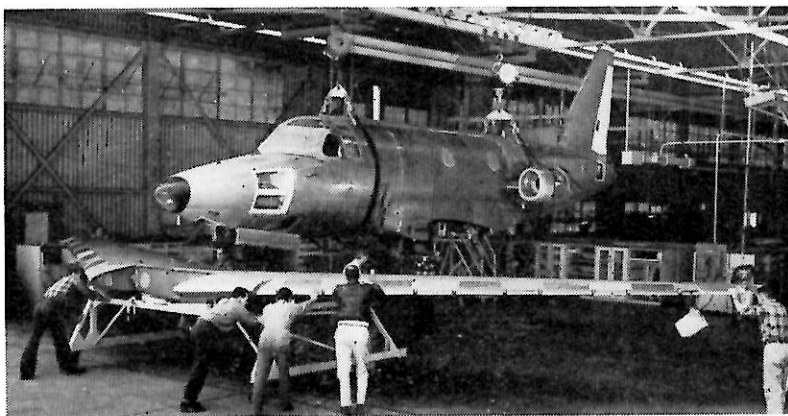
Damage to the bullet-shaped 2/180 is extensive and, say company officials, will set back the test program at least six months. The pilot, who inadvertently took off instead of taxiing, suffered a broken leg. Preliminary investigation by DoT and Avian officials indicate that neither the company nor the engineering of the Avian 2/180 gyroplane are at fault.

The flight testing program was sufficiently advanced to establish much of the predicted data, and show that the Gyroplane is airworthy.

Arrangements are now in hand to re-finance Avian Industries Ltd. in order that another prototype may be built. Work has been started on the new Gyroplane.

Leland Acquired

Leland Electric Co. Ltd., recently formed by a group of Canadian investors, has purchased the Leland Electric Motor Div. of AMF Canada Ltd. The announcement was made last month by



T-39 SABRELINER PRODUCTION: The wing and fuselage of the first production line USAF T-39 Sabreliner are seen here being mated at North American Aviation Inc. It is the first of 42 ordered by the USAF. The twin-jet utility trainer is powered by two P & W J-60 engines, has a high cruise speed of 500 mph. at altitudes above 40,000 feet, and a maximum range of 1,725 miles.

G. Ernest Robertson, chairman of the board and chief executive officer of the new company. Financial terms of the acquisition were not disclosed.

Mr. Robertson formerly was president of Leland Motor Div. In commenting on the acquisition, Mr. Robertson said: "We plan to continue the policy of American Machine & Foundry Co. in serving Canadian industry by manufacturing and distributing high quality rotating electrical equipment as in the past."

Leland is Canada's largest exclusive manufacturer of electric motors, generators and alternators for commercial and military use. Its manufacturing facilities located in Guelph, Ont., comprise four buildings totalling over 150,000 sq. ft. of plant space and employment exceeds 500 persons.

Frank S. Bush, formerly executive vice president of Leland Electric Motor Div. will be president and general manager of the new company. Gordon D. Tiller, formerly vice president & general manager of Federal Wire & Cable Co. Ltd. will join the new Canadian company as vice president, secretary & treasurer.

Marconi Doppler Re-Order

Canadian Marconi Co. has received an order for eight CMA-601 navigation computers, as well as a repeat order for four Doppler sensors, from KLM. The equipment will go into operation this summer aboard KLM's DC-8 fleet in conjunction with the CMA-623 Doppler sensors previously ordered from Canadian Marconi.

Recently a trans-Atlantic ferry crew reported perfect operation of the CMC

Doppler Navigation after KLM's first DC-8 touched down at Amsterdam following a delivery flight from Los Angeles. This was the first production DC-8 to be delivered by Douglas carrying Doppler equipment ready for full operational use by the airline.

Avro Report

In a letter to the shareholders of A. V. Roe Canada, vice chairman W. A. Curtis stated that Avro Aircraft is bidding on an increasing amount of general industrial business. He also said that build-up of the J-79 engine program is underway at Orenda Engines Ltd.

Canadian Car, of Fort William, was awarded a CF-104 airframe component contract from Canadair which is presently permitting limited employment there. Every effort is being made to obtain additional and follow-on work.

Business volumes in many markets in which A. V. Roe companies are primarily engaged, remain at unusually low levels. Most severely affected are the airframe, rail equipment and coal operations. In view of reduced earnings, no dividend on common shares was declared for the third consecutive quarter. Last quarterly payment was 10 cents on July 2, 1959.

Ground Equipment Sale

The aviation service division of Bristol Aero Industries Ltd. has placed substantial orders with Aviquipo of Canada for a variety of ground handling equipment.

Included in the order are two ACE 505 Jet Ground Start Vehicles, incor-

porating five 22 cubic foot air storage cylinders rated at 500 psi each. The cylinders are recharged by means of two Worthington compressors, driven by a single Ford four-cylinder, water-cooled industrial engine.

Two Hobart self-propelled 60 KVA Diesel engine driven ground power generators are also on order. These are MGC Model 3028 generators, supplying 40 cycle, three-phase current. Also included in the sale are four truck-mounted passenger loading ramps.

Litton Buys Servomechanisms

Litton Industries Inc., an electronics firm located in Beverly Hills, California, has acquired Servomechanisms (Canada) Ltd., for an undisclosed amount of cash.

Servomechanisms (Canada) Ltd., with its main plant located in the Rexdale area of Toronto, has been a subsidiary of Servomechanisms Inc. The company is engaged in the development and production of electronic equipment with primary orientation to airborne electronic and electro-mechanical instrumentation.

Litton plans to expand the Canadian firm's operations, with particular emphasis on advanced electronic products including inertial guidance systems for the CF-104.

"O" Ring Handbook

Precision Rubber Products (Canada) Ltd. has announced the availability of the second edition of its Canadian Engineering handbook on Precision "O" Rings & Dyna-Seals. The new handbook features the uniform numbering system, together with new and up-to-date design and compound information.

British Aircraft Corp.

British Aircraft Corporation Limited is the newly registered name of the airframe and missile holding company owned jointly by Vickers Ltd. (40%); English Electric Co. Ltd. (40%); and The Bristol Aeroplane Co. Ltd. (20%).

Wholly-owned subsidiaries of the new holding company include: English Electric Aviation Ltd., Vickers-Armstrongs (Aircraft) Ltd., and Bristol Aircraft Ltd. Details of the new company's board and the way in which it will be operated have not been divulged.