

News Roundup



NEW MEDIUM/SHORT range DC-9 proposed by Douglas is being offered for delivery in 1963. To be powered by four specially-designed P & W turbofan engines of 8250 lb. th. each, the DC-9 will have a max. gross of 120,000 lb., carry 68-92 passengers and 4.5 tons of cargo at over 580 mph.

Cost of Missile Warning

Canada will contribute \$11,090,000 toward construction of the eastern Arctic section of a U.S. radar warning system against ballistic missile attack.

The figure is contained in the 1959-60 capital budget of the crown-owned Canadian Overseas Telecommunication Corporation tabled in the Commons recently.

Canada will pay the major share of a 1200-mile coaxial cable link from Cape Dyer on the east coast of Baffin Island to Corner Brook, Nfld. The cable will carry signals from a radar station near Thule, Greenland, to Corner Brook and then to NORAD headquarters at Colorado Springs, Colo. Cape Dyer will also be hooked to the ballistic missile early warning radar station by coaxial cable.

CL-44D-4 Financing

Gen. Harold R. Harris (USAF Ret.), president of Aviation Financial Services Inc., New York, recently announced the private placement of \$9,429,000 first and second mortgage notes of a subsidiary, Airborne Carriers Inc. The notes were issued in connection with an equipment sale-leaseback financing program arranged by Aviation Services for Seaboard & Western Airlines Inc.

Seaboard & Western is applying the fund in part to the purchase of five Canadair CL-44D-4 aircraft and spare parts costing \$23 million. Purchase of the new fleet is being financed by the

airline by depositing 10% in cash, 10% on delivery, with the balance payable to Canadair Ltd. in monthly installments over a period of five years.

Funds for the down payment and for additional working capital were obtained through the sale-leaseback of five Super Constellations and 15 DA-3 engines for \$9,429,000, the equipment to be leased back for 27 months at monthly rentals of \$35,000 per aircraft and \$1500 per engine.

Operation Grasshopper

Canadian technicians are speeding mineral resources development in South America with a 66,000 square mile aerial survey of Surinam. The air survey is being done by Canadian Aero Service Ltd., Ottawa, and its affiliates, at a cost of nearly \$700,000.

Operation Grasshopper calls first for photo-geologic studies of 80% of Surinam. This evaluation will guide the extensive airborne geophysical surveys of the country. Later, the combined geological and geophysical information will lead to drilling of promising areas.

New Sherbrooke Airport

Tenders for the construction of an airport to serve Sherbrooke, Quebec, are being called by the DoT. The project is to include one runway, 5000 feet long with taxiway, an aircraft parking area and an access road to No. 1 Highway.

The airport site is 10 miles north-east of Sherbrooke. Completion date

for the project is set for September 1960.

Hangars for Sale

The Crown Assets Disposal Corp. advises that there are two Crown-owned hangars at Mont Joli, Quebec, which have been declared surplus. The corporation is open for offers which should be made direct to the Crown Assets Disposal Corp., Trade and Commerce Bld., Wellington and Lyon Streets, Ottawa, quoting file LB 19427.

New Oil by Shell

Shell Oil has announced the development of a new oil for both large and small piston engine aircraft. Says a Shell spokesman: "AeroShell Oil W is the world's first non-ash, dispersant, multi-viscosity aircraft oil to be placed on the market."

The new oil represents five years of research, and has been flight tested for 200,000 hours in all types of aircraft and helicopters. AeroShell W is available in two viscosity grades: 80 and 100, each grade suitable for year-round use.

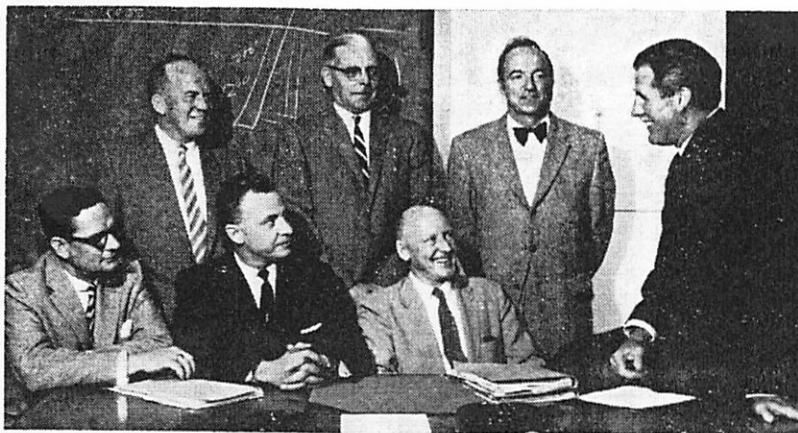
Shell says that for years the petroleum industry has been trying to provide the aviation industry with the same advantages offered to the automotive industry by compounded oils. Chief stumbling block has been the fact that additives use in car engine oils contained metallic-ash-forming materials that were prone to form pre-ignition inducing deposits in high performance engines.

Daystrom Distributor

Alpha Aracon Radio Co. Ltd., 555 Wilson Ave., Downsview, Ont., has been announced as exclusive distributor for Daystrom Ltd. for the metropolitan Toronto area. Equipment being handled by Alpha Aracon which is applicable to the aviation industry includes ignition analyzer kits; electronic tachometer kits; various models of direction finding equipment for aircraft; and power converters.

Avro Ads Tops

Avro Aircraft Ltd. was recently awarded first place in the 1958-59 Sheppard Award for "outstanding industrial advertising in Canada". The award resulted from four Avro advertisements over the 1958-59 period: two on the introduction of the Arrow and two concerning the partnership of the



AIRWORTHINESS COUNCIL MEETS: Inaugural meeting of new Airworthiness Council, June 8, was welcomed by Transport Minister Hees (R). Council members are, L. to R. (seated): Ian Gray, CPA, scheduled airlines' rep.; T. A. Wheatley, Canadian Aviation Insurance Managers Ltd., insurance rep.; H. S. Rees, DoT, chairman; (standing) J. H. Lucas, Aircraft Industries of Canada Ltd., repair & overhaul rep.; J. A. Pool, SGA, non-sched. operators' rep.; Captain J. M. Grisdale, TCA, commercial airline pilots' rep.

RCAF and Avro in the operational service of CF-100's in the north.

The "Oscar" of industrial advertising in Canada was given to Avro in competition with 100 manufacturers from coast to coast. Approximately 300 individual advertisements were submitted for judging.

NRC Awards Contract

The Dynametrics Corp., Burlington, Mass., has been awarded a contract totalling approximately \$150,000 by the National Research Council of Canada. The instrument to be provided under this contract is a Dynametrics six-component mechanical balance system, together with associated equipment.

The balance will be installed in the wind tunnel facility of the NAE,

Montreal Road Laboratories, for the purpose of accurately measuring forces and moments on aerodynamic models under test in the tunnel.

Mutual Aid

Canada has supplied 30% of the materiel strength of the Greek Air Force and 17% of the Turkish.

These figures were given recently to a U.S. Congressional committee by Gen. Lauris Norstad, Supreme Allied Commander in Europe.

The RCAF in Ottawa says Canada has given more than \$73 million worth of air force equipment to Greece and more than \$80 million worth to Turkey.

This country supplied Greece with 107 Sabres, 16 T-33's and spare engines and parts. It supplied Turkey with

the same number of Sabres besides 24 T-33's, 24 Mentors, 40 Harvards and spare parts.

Since NATO was formed 10 years ago, Canada has given its European allies \$1,600 million worth of arms. The program reached its peak in 1953-54 when Canada shipped \$289,707,000 worth. The amount for the current fiscal year is \$90 million, chiefly for aircraft and engines.

Radar Lab Opens

The official opening of the Prince Albert Radar Laboratory, the DRB's new atmospheric research facility in northern Saskatchewan, was held June 6 and was attended by prominent members of the Canadian and U.S. scientific communities and senior representatives of the armed forces of both countries.

Sponsored jointly by the DRB and the USAF, this new research facility will be employed for investigations of the various factors that influence radar detection of aircraft and missiles entering the auroral zone. Because the aurora borealis is associated with radio disturbances, it is necessary to develop means of reducing the effects of the northern lights on the detection of intruders.

The results of the research program to be undertaken are likely to provide a substantial contribution to the eventual development of a defensive system against the ICBM.

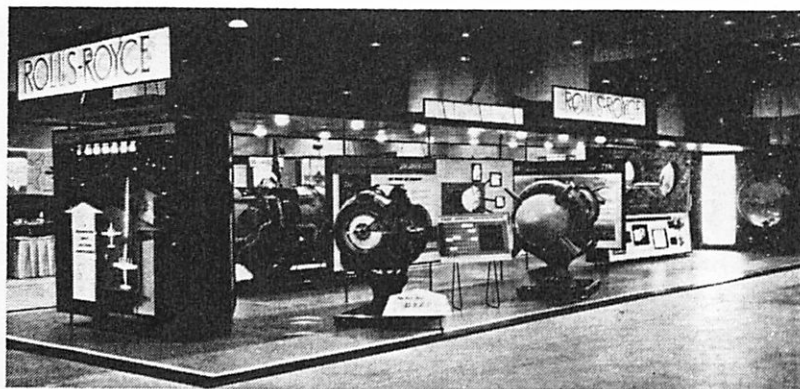
Aerial Photo Special

The July issue of "Camera", the well-known Swiss photographic review, appears as a special edition on the subject of photography and the world of aviation. This edition includes articles of aviation interest, many illustrations and a serial of color-photographs in heliogravure. An aerial view of Manhattan covering a folder of eight pages is a unique achievement in the field of photography. The issue went on sale at the beginning of this month.

Canadian Space Committee

The National Research Council and the Defence Research Board have formed an associate committee on space research. The new committee will have coordination duties and will advise on international cooperation.

Scientific subjects to be studied will



ROLLS-ROYCE DISPLAY: Shown here is the Rolls-Royce display at the recent World Congress of Flight, Las Vegas. At the left is a sectioned Dart; at the right, a Tyne; in the background a section of the Conway which attracted a great deal of attention. At the left is a totalizer showing Dart airline hours; sign was started at approximately 7,170,000 airline hours, and clicked over an extra hour every 9.6 seconds.