

briefs

★ A full Certificate of Airworthiness has been granted to the Rolls-Royce 'Conway' R.Co.10.Mk.505 by-pass turbojet at a guaranteed minimum dry thrust of 17,000 lbs. This is the highest thrust yet certified for a commercial engine. Trans-Canada Air Lines and Alitalia have chosen these engines for their Douglas DC-8's, and B.O.A.C., Lufthansa, Air India International and Varig of Brazil have specified them for their Boeing 707-420's. A further increase to 18,000 lbs. thrust, approved in Great Britain, is awaiting approval of the Federal Aviation Agency in U.S.A.

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★ Servo Corporation of America, Long Island, have been awarded a \$481,400 contract for computers for airborne dead reckoning tracers by the U.S. Navy. The computer, when used in conjunction with a plotting board, gives continuous indication of aircraft position, makes a permanent record of navigation course and automatically gives data for plotting exact geographical position on a standard Mercator map.

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★ A Canadiar 540 turboprop transport, which was rolled out for the first time at the end of January, is a modified 440, with Napier Eland turboprop engines, fuel capacity from 1,730 gal. to 2,032 gal, faster landing gear retraction, and improved braking, and is to be used by RCAF Air Transport Command.

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★ According to North American Aviation's "Skywriter", the Hamilton Standard Division of United Aircraft Corp. will design, develop and produce both the environmental control system and the air induction system for the B-70 'Valkyrie' bomber. The company will also provide the environmental control system for the F-108.

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★ The RAF's new tactical support/reconnaissance aircraft, the TSR2, will be powered by the Bristol Siddeley 'Olympus' engine which also powers the Avro 'Vulcan' bomber. With Bristol 'Solar' reheat, the 'Olympus' has been run at thrusts as high as 24,000 lbs.

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★ The United States plans to spend \$800 million on space exploration during this fiscal year.

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★ Grumman Aircraft Engineering Corp., Long Island, have been awarded a \$22 million "follow-on" order to produce a new anti-submarine airplane designated the S2F-3, for the U.S. Navy. The contract follows an \$11.6 million production order for the new plane awarded last May.

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★ Shell Oil Company of Canada Ltd. announce a corrosion-resistant lubricant for components of space vehicles, missiles and supersonic aircraft, with an effective operating temperature from minus 100 to plus 600 degrees F — a full 700 degree span. The new lubricant is called ETR grease H and has been tested and found to exceed the purposes specifications MIL-G-25013C for both temperature range and hours of service.

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★ The National Aeronautics and Space Administration has selected Rocketdyne, a division of North American Aviation Inc., as the source for design and development of a rocket engine in the one to one-and-one-half million pound thrust class.

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★ According to latest official information Orenda's 'Iroquois' twin-spool turbojet engine has 10 compression stages, a 8:1 compression ratio and a three-stage turbine. Weight of the Arrow's 'Iroquois' is given as 4,650 lbs. including the afterburner and nozzle, but excluding the starter and firewall.

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