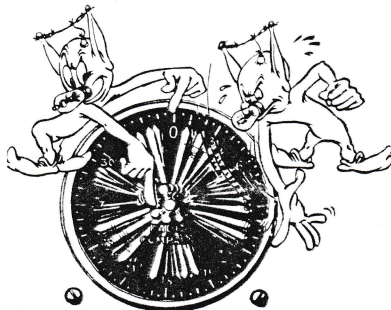


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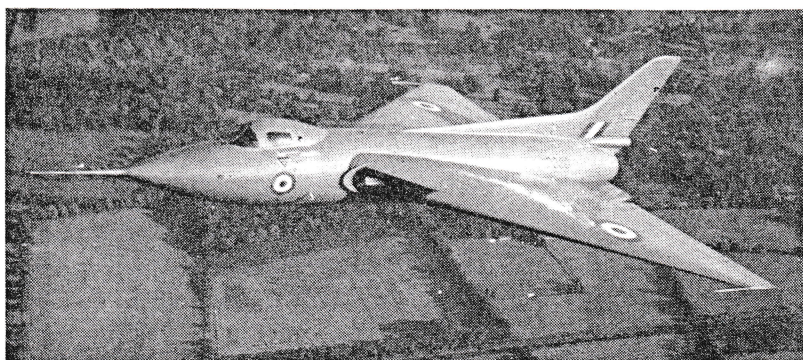
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MODEL A.: The Avro 707A transonic delta wing differs from the 707B in that the air intakes for its Rolls-Royce Derwent are located in the leading edge of the wing roots instead of on top of the fuselage, just ahead of the dorsal fin. British aircraft industry seems to favor this configuration as beginning of a trend.

of Health & Welfare, in British Columbia and from Simmons College, School of Social Work, Boston, Mass., she holds her Bachelor of Arts degree and her degree in Master of Social Work.

## Survival of the Fittest

Members of the RCMP and the USAF are to be trained in survival techniques by the RCAF at the Air Force School of Survival, located at Obed Lake, 165 miles west of Edmonton, and at Cambridge Bay, 200 miles inside the Arctic Circle, on Victoria Island.

The school is designed to train men who fly over the Northland in the art of surviving if forced down. It attempts to duplicate the severe conditions that would be encountered by a crew forced down in the bush or the Arctic barrens. Training is aimed at accomplishing two main objectives: to rid personnel of their fear of the Arctic and to teach them to take full advantage of the north country's limited resources.

## Briefly

- The Naval Defence Conference, an organization formed by the Naval Officers Association of Canada, has presented a brief to Defence Minister Brooke Claxton urging the expansion of naval aviation in the RCN.

- A fire at No. 6 Repair Depot, RCAF Station Trenton, early last month destroyed a hangar and seven aircraft. Estimated value of buildings and equipment destroyed was set at about \$2,000,000.

- About 450 U.S. and Canadian Army engineers have started Exercise

"Eager Beaver", a six month long exercise in the Arctic intended to test equipment and personnel while carrying out an airfield construction program, snow compaction studies, etc.

- A new warning device is being developed by the USAF School of Aviation Medicine to give a pilot the red light when he is becoming short of oxygen. The device works by means of a photoelectric cell in the pilot's helmet, next to his ear. The light shines through the lobe of his ear as long as the blood therein is a bright red, which is a sign that it contains sufficient oxygen. However, lack of oxygen makes the blood turn a very dark red, through which the light cannot pass. The photo-electric cell then actuates a red warning light on the instrument panel.

- The USN has selected the Pratt & Whitney T-34 Turbo-Wasp for installation in two Lockheed R70-1 (Navy version of the Super-Constellation) aircraft in a program designed to test turbo-prop-powered transport aircraft. This same engine is also to be installed in a USAF Douglas C-124 Globemaster. The T-34 is currently rated at 5,500 shaft hp.

- The USN's XA2J-1 North American "Savage", powered by two Allison T-40 turbo-props rated at 5,500 hp each, recently made its first flight. The T-40 is actually two coupled T-38s driving a contra-rotating Aeroproducts propeller. The XA2J-1 is an advanced and somewhat heavier version of the AJ-1, now in USN fleet service. Maximum gross take-off weight is 52,000 pounds. The aircraft are intended for carrier use as attack bombers.

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