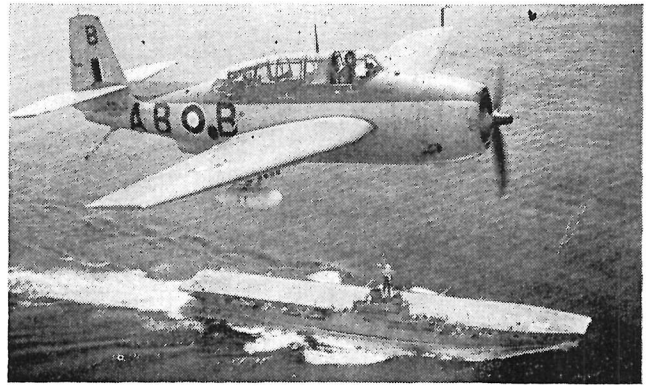
**AUSTER A.O.P.6**

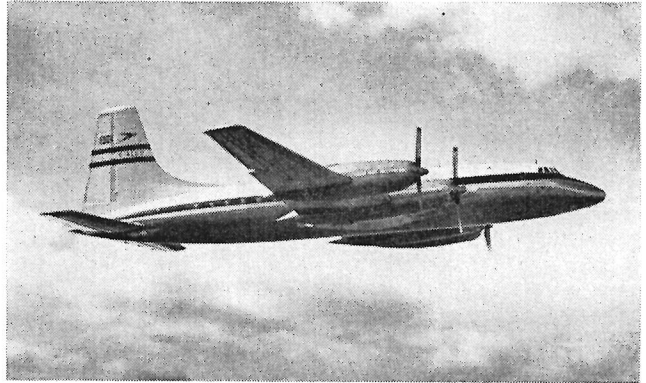
Builder: Auster Aircraft **Span:** 36'
Type: Air Observation **Length:** 23' 9"
Power Plant: 145 hp DH Major **Max. Speed:** 124 mph.
Weight loaded: 2,160 lbs. **Climb:** 810 fpm.
Remarks: 36 of modified variant supplied to RCAF. A.O.P.6 and T.7 differ internally only, the T.7 having side-by-side seating for pupil and instructor.

**AVENGER**

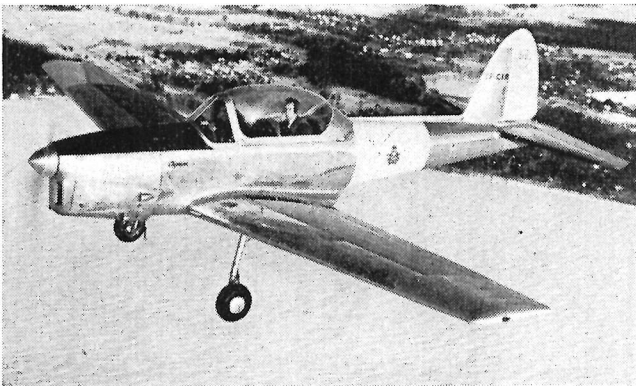
Builder: Eastern Aircraft Div. **Length:** 40' 0".
Type: Anti-sub. **Max. Speed:** 278 mph.
Power Plant: Wright 1,750 hp. **Range:** 905 miles.
Weight loaded: 15,536 lbs. **Ceiling:** 22,600 ft.
Span: 54' 2".
Remarks: RCN operates 100. Designed and originally built by Grumman, entire production taken over in 1942 by Eastern Aircraft Division of General Motors. Specs for TBM-3 version.

**BELL 47D**

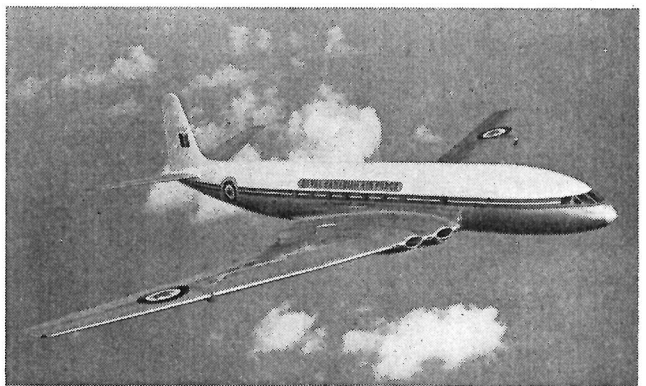
Builder: Bell **Rotor diam.:** 35' 1 1/2"
Type: Transport **Length:** 41' 5"
Power Plant: Franklin 178 hp. **Max. Speed:** 98 mph.
Weight empty: 1,380 lbs. **Range:** 170 miles
Weight loaded: 2,150 lbs. **Climb:** 920 fpm.
Remarks: First produced in 1947. Many variations since then.

**BRITANNIA**

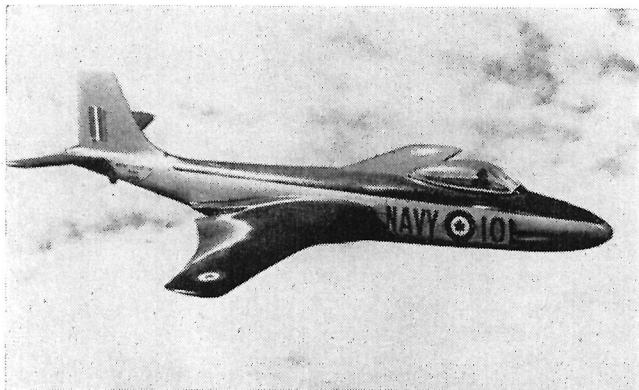
Builder: Bristol **Weight loaded:** 140,000 lbs.
Type: Transport **Span:** 14' 0"
Power Plant: 13,800 hp plus **Length:** 114' 0"
1,200 lbs. s.t. Bristol Proteus. **Max. Speed:** 400 mph.
Weight empty: N.D.A. **Range:** 3,600 miles
Remarks: Canadair has contract to build 50 maritime reconnaissance versions powered with U. S. Wright 3350 turbo compound engines. This version will be longer, have a more bulbous radar nose and armament blisters.

**CHIPMUNK**

Builder: De Havilland Canada **Span:** 34' 4"
Type: Trainer **Length:** 25' 5"
Power Plant: Gipsy Major 145 hp. **Max. Speed:** 138 mph.
Weight empty: 1,425 lbs. **Range:** 280 miles
Weight loaded: 2,014 lbs. **Climb:** 840 fpm.
Remarks: Used by RCAF Reserve. 158 built in Canada, and designated T.30. Specs. for T.10 and T.20. Factory designation DHC-1.

**COMET**

Builder: De Havilland **Span:** 115' 0"
Type: Transport **Length:** 93' 0"
Power Plant: D. H. Ghost 50, **Max. Speed:** 490 mph.
20, 200 lb. s.t. **Range:** 1,500 miles
Weight loaded: 115,000 lbs.
Remarks: Series 1 and 1A were fitted with D.H. Ghost engines. The 1A had methanol-water injection. Series 2 has 4 RR Avons of 6,500 lb. s.t. each (total 26,000 lbs. s.t.)

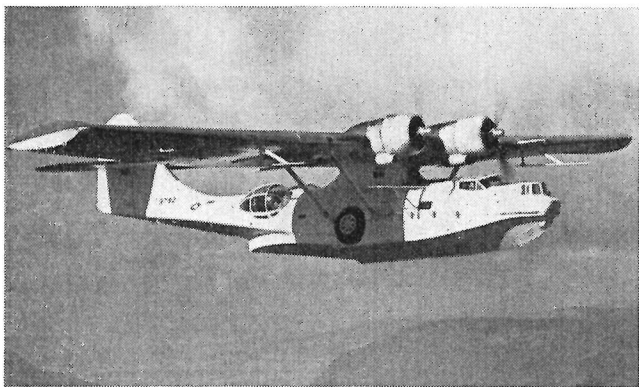


BANSHEE

Builder: McDonnell
 Type: Navy fighter
 Power Plant: Westinghouse
 6,500 lbs. s.t.
 Weight loaded: 19,000 lbs.
 Span: 44' 11"

Length: 47' 6"
 Max. Speed: 610 mph.
 Range: 2,000 miles
 Ceiling: 56,000 ft.
 Climb: 9,000 fpm.

Remarks: RCN has ordered 30 to replace Sea Furies. Specifications for F2H-3. Latest model is F2H-4 with latest radar equipment.



CANSO

Builder: Can. Vickers and
 Can. Boeing
 Type: Patrol amphibian
 Power Plant: P & W 2,400 hp.
 Weight empty: 17,564 lbs.
 Weight loaded: 34,000 lbs.

Span: 104' 0"
 Length: 63' 10"
 Max. Speed: 196 mph.
 Range: 2,520 miles
 Ceiling: 15,800 ft.

Remarks: Specifications for PBV-5A the most commonly used model. Known as Catalina in the U. S. A.



CANADAIR C-5

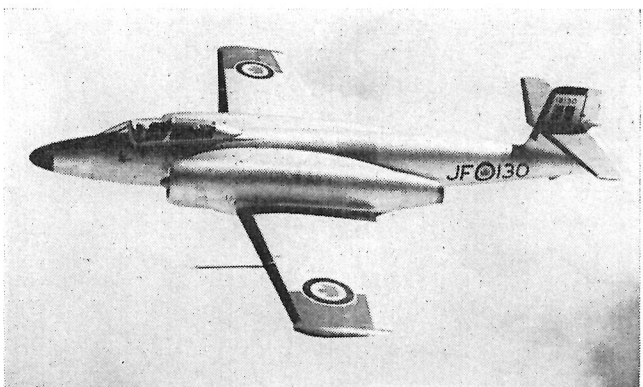
Builder: Canadair
 Type: Transport
 Power Plant: P & W 8,400 hp.
 Weight empty: 49,475 lbs.
 Weight loaded: 86,000 lbs.

Span: 117' 6"
 Length: 93' 8"
 Max. Speed: 300 plus
 Range: 3,985 miles

Remarks: Improved version of Canadair Four with radial engines. Used for VIP transport.

**A directory of
 CANADIAN MILITARY AIRCRAFT
 Compiled by C. G. B. Stuart**

Today's Canadian military forces operate about 3,000 operational aircraft, most of which are modern jet types. The aim is to have most of these aircraft built in Canada. Last year alone the Canadian industry delivered more than 1,000 military aircraft, most of which went to the RCAF. A self-sufficient aviation industry at a state of readiness is now ready to back up the striking or defensive military forces. Here in summarized form are Canada's military aircraft:



CF-100

Builder: A. V. Roe Canada
 Type: Fighter-Bomber
 Power Plant: Orenda
 Weight empty: 20,000 lbs.
 Weight loaded: 35,000 lbs.

Span: 52 ft.
 Length: 54' 8"
 Max. Speed: 650 plus
 Range: 2,000 miles
 Climb: 12,000 fpm.

Remarks: Four models built, Mark 1, 2, 3 and 4. Performance given as for the Mark 4.

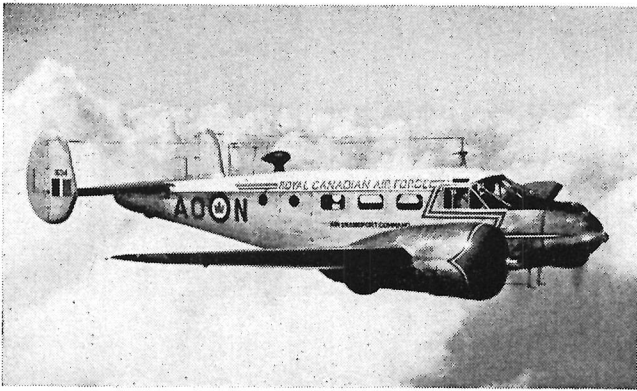


DAKOTA

Builder: Douglas
 Type: Transport
 Power Plant: P & W 2,400 hp.
 Weight empty: 16,480 lbs.

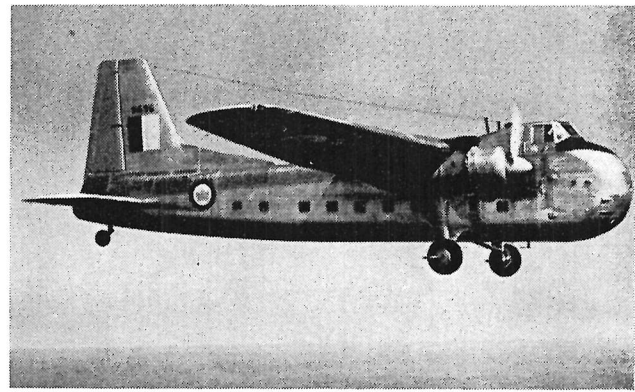
Weight loaded: 25,200 lbs.
 Span: 95' 0"
 Length: 64' 6"
 Max. Speed: 216 mph.

Remarks: Derived from the externally similar D.C.3 Adopted as standard Allied transport during War.

**EXPEDITOR**

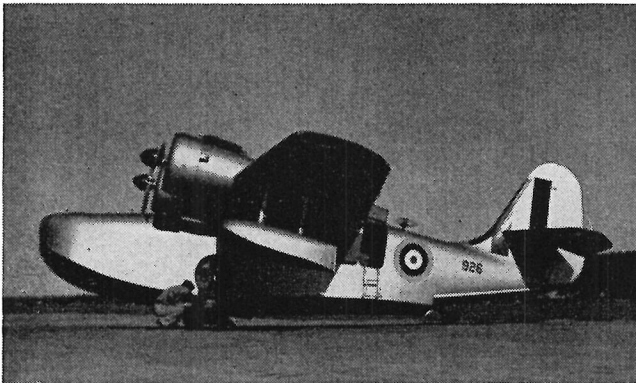
Builder: Beechcraft
Type: Transport
Power Plant: P & W 900 hp.
Weight empty: 6,200 lbs.
Weight loaded: 9,300 lbs.
Remarks: First designed in 1936.

Span: 47' 7"
Length: 34' 0"
Speed: 230 mph.
Range: 985 miles
Climb: 1,190 fpm.

**FREIGHTER**

Builder: Bristol
Type: Cargo and transport
Power Plant: Bristol Hercules
 4,000 hp.
Weight empty: 25,547 lbs.
Weight loaded: 44,000 lbs.
Remarks: Specifications for Mk. 31. New version (Mk. 32) has 5 ft. longer nose.

Span: 108' 0"
Length: 68' 4"
Max. Speed: 193 mph.
Range: 1,420 miles
Ceiling: 24,500
Climb: 1,380 fpm.

**GOOSE**

Builder: Grumman
Type: Transport amphib.
Power Plant: P & W 900 hp.
Weight empty: 5,425 lbs.
Weight loaded: 8,500 lbs.
Span: 49' 0"

Length: 38' 4"
Max. Speed: 200 mph.
Range: 800 miles
Ceiling: 21,000 ft.
Climb: 1,100 fpm.

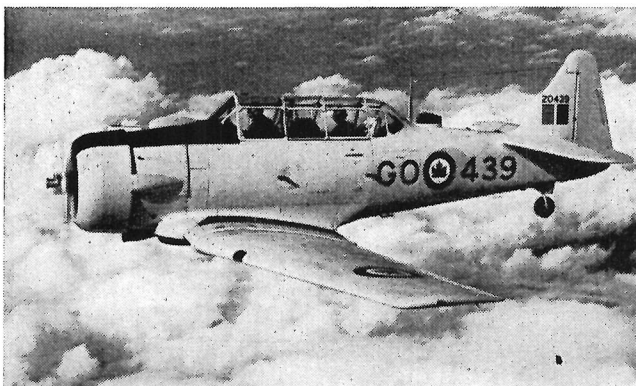
Remarks: First produced in 1937. Also used for air-sea rescue.

**GRUMMAN S2F**

Builder: Grumman
Type: Anti-sub.
Power Plant: Wright 2,850 hp.
Weight empty: N.D.A.
Weight loaded: N.D.A.

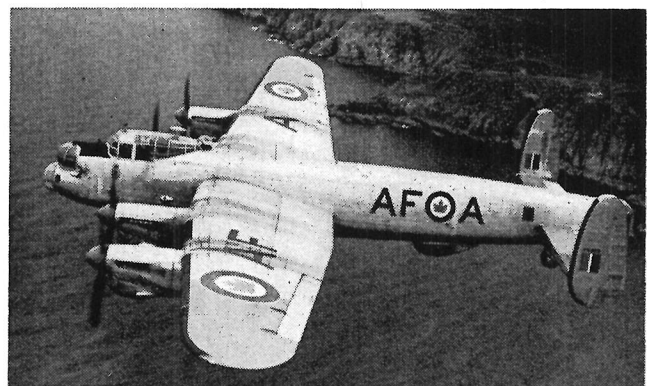
Span: N.D.A.
Length: N.D.A.
Max. Speed: N.D.A.
Range: N.D.A.

Remarks: To be built in Canada for RCN with DH Canada as prime contractor. 250 said to be ordered with some of these going to NATO. Will carry torpedoes, depth charges, mines, bombs and cannon combinations.

**HARVARD**

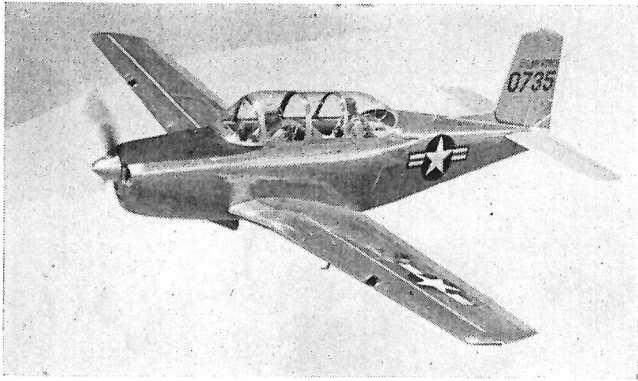
Builder: Canada Car & Foundry
Type: Trainer
Power Plant: P & W 550 hp.
Weight empty: 4,271 lbs.
Weight loaded: 5,617 lbs.
Remarks: Specifications for Harvard 4. Cancar has built 600 for RCAF, USAF and NATO. Most widely used basic trainer.

Span: 42' 0"
Length: 29' 0"
Max. Speed: 212 mph.
Range: 870 miles
Ceiling: 23,000 ft.

**LANCASTER**

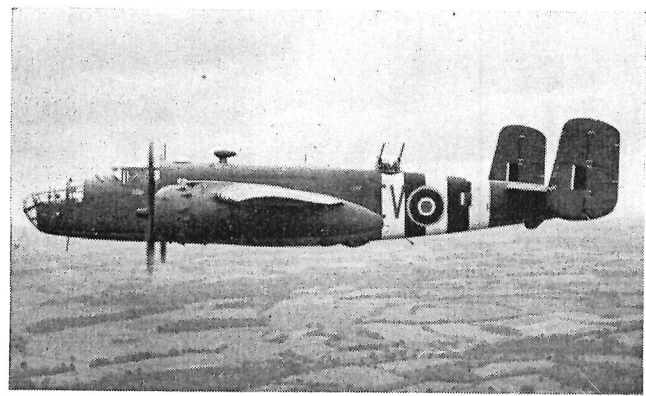
Builder: Avro (Victory)
Type: Maritime recon.
Power Plant: R.R. Merlin 6,440 hp.
Weight empty: 41,000 lbs.
Weight loaded: 68,000 lbs.
Remarks: Basic aircraft built by Victory Aircraft. Originally used for bombing. Some modified for photo-recon. and air-sea rescue.

Span: 102' 0"
Length: 68' 10"
Max. Speed: 250 mph.
Range: 2,600 miles

**MENTOR T34A**

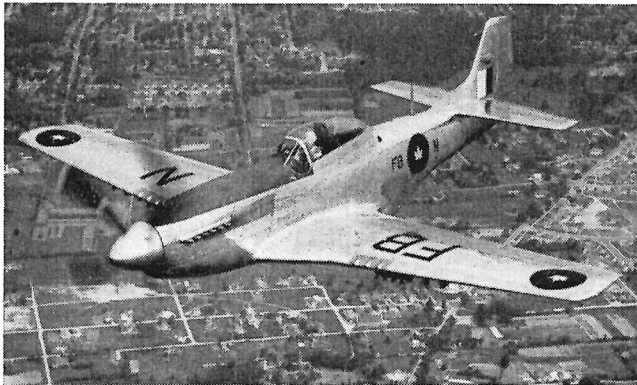
Builder: Canadian Car & Foundry **Length:** 25' 11"
Type: Trainer **Max. Speed:** 189 mph.
Power Plant: 225 hp Continental **Range:** 785 miles
 O-470 flat six **Ceiling:** 20,000 ft.
Weight loaded: N.D.A. **Climb:** 1,200 fpm.
Span: 32' 10"

Remarks: Now in production at Fort William plant of Cancar. RCAF has ordered 25 on a trial basis.

**MITCHELL**

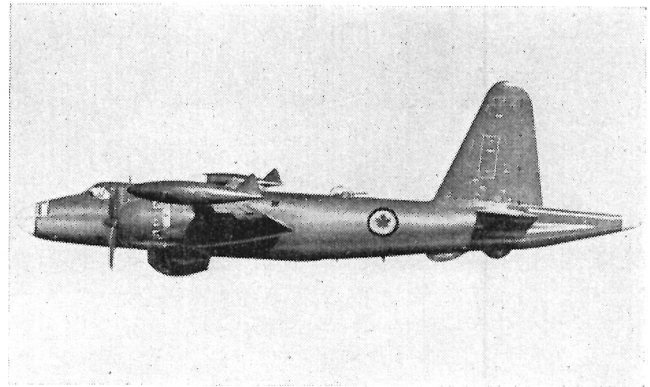
Builder: North American **Span:** 67' 6"
Type: Trainer **Length:** 52' 9"
Power Plant: Wright 3,400 hp. **Max. Speed:** 275 mph.
Weight empty: 22,300 lbs. **Range:** 1,620 miles
Weight loaded: 34,000 lbs.

Remarks: Specifications given for B-25D. Later models give better performance. Formerly a medium bomber.

**MUSTANG**

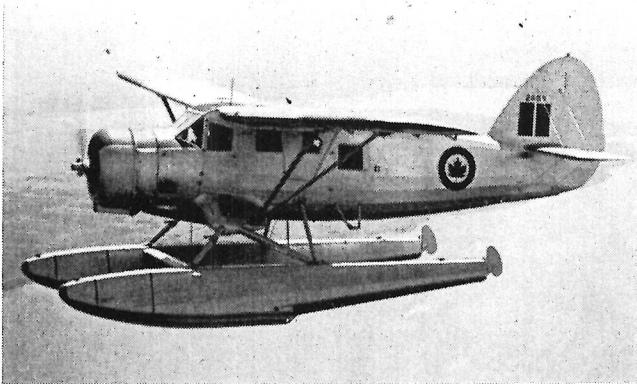
Builder: North American **Length:** 32' 3"
Type: Trainer and target tug **Max. Speed:** 437 mph.
Power Plant: RR Merlin 1490 hp. **Range:** 1,050 miles
Weight empty: 7,947 lbs. **Ceiling:** 41,000 ft.
Weight loaded: 10,100 lbs. **Climb:** Approx. 3,000 fpm.
Span: 37' 0"

Remarks: Specs. given for F-51D. Designed as a fighter and used in War as such. 15,576 built.

**NEPTUNE**

Builder: Lockheed **Length:** 78' 3"
Type: Patrol Bomber **Max. Speed:** 353 mph.
Power Plant: Wright 6,500 hp. **Range:** 4,200 miles
Weight empty: 39,900 lbs. **Ceiling:** 26,000 ft.
Weight loaded: 72,000 lbs. **Climb:** 2,620 fpm.
Span: 104' 0"

Remarks: RCAF has ordered 25 for maritime reconnaissance. Specifications for P2V-5 produced in a variety of versions.

**NORSEMAN**

Builder: Canada Car & Foundry **Span:** 51' 8"
Type: Gen.-Pur-Transport **Length:** 32' 4"
Power Plant: P & W 600 hp. **Speed:** 155 mph.
Weight empty: 4,240 lbs. **Range:** 464 miles
Weight loaded: 7,400 lbs. **Ceiling:** 17,000 ft.

Remarks: Specifications for Norseman V. The VII with metal wing and lengthened fuselage has been built and tested. Originally designed by Noorduyt.

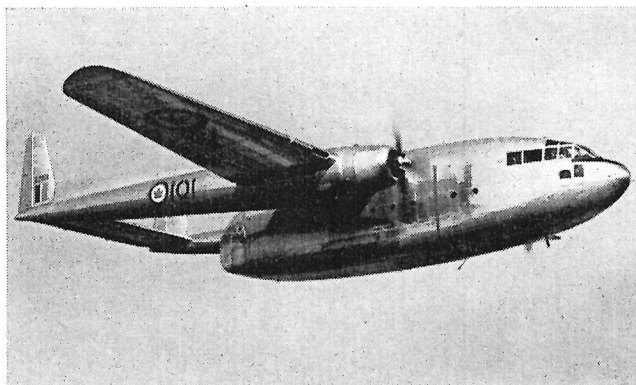
**NORTH STAR**

Builder: Canadair **Span:** 117' 6"
Type: Transport **Length:** 93' 8"
Power Plant: RR Merlin 7,040 hp. **Max. Speed:** 300 mph.
Weight empty: 46,832 lbs. **Range:** 2,250 miles
Weight loaded: 82,300 lbs.

Remarks: Also known as the Canadair Four. Twenty-four supplied to RCAF. BOAC designate it the Argonaut.

**OTTER**

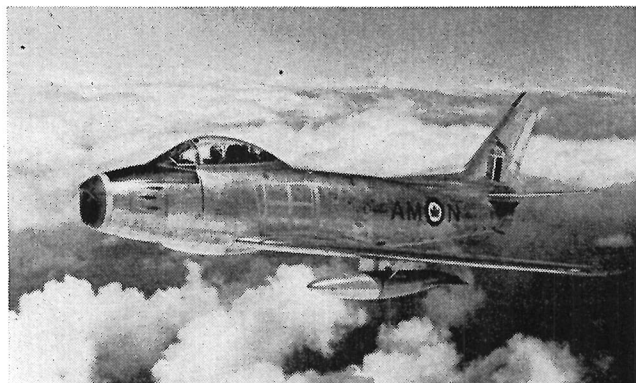
Builder: De Havilland Canada
Type: Utility transport
Power Plant: P & W 600 hp.
Weight empty: 4,165 lbs.
Weight loaded: 7,600 lbs.
Span: 58' 0"
Length: 41' 10"
Max. Speed: 160 mph.
Range: 1,050 miles
Climb: 1,000 f.p.m.
Remarks: Designed to operate in the undeveloped areas of Canada. Factory designation DHC-3.

**PACKET**

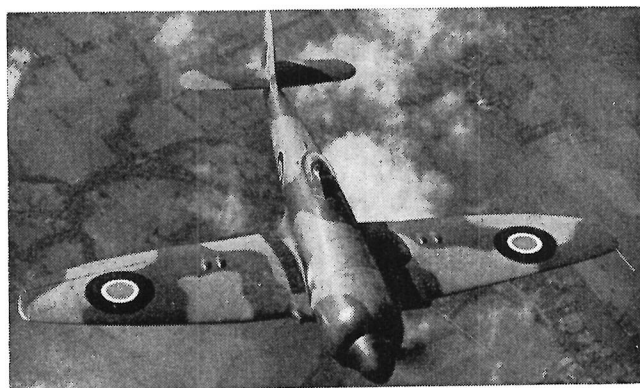
Builder: Fairchild
Type: Cargo or troop transport
Power Plant: Wright 7,000 hp.
Weight empty: 39,750 lbs.
Weight loaded: 64,000 lbs.
Span: 109' 3"
Length: 86' 6"
Max. Speed: 296 mph.
Range: 3,480 miles
Climb: 800 fpm.
Remarks: Specifications for the C-119F, usually referred to as the Flying Boxcar.

**PIASECKI H-21A**

Builder: Piasecki
Type: Arctic rescue
Power Plant: Wright 1,425 hp.
Weight empty: 8,900 lbs.
Weight loaded: 13,256 lbs.
Rotor diam.: 44' 0"
Length: 52' 6"
Max. Speed: 117 mph.
Climb: 1,420 fpm.
Remarks: RCAF has ordered six. Specifications for H-21B. The H-21C is a troop carrier version.

**SABRE**

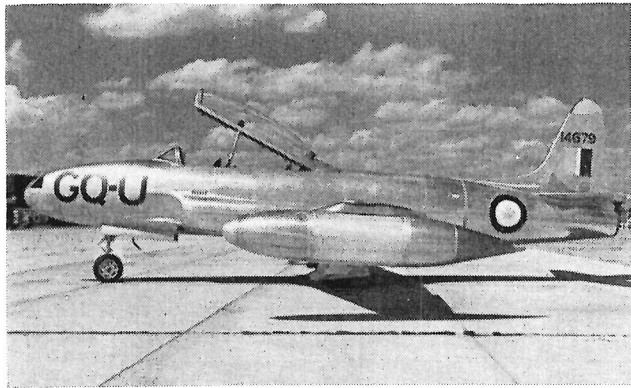
Builder: Canadair
Type: Fighter
Power Plant: G.E. 5,200 lbs. s.t.
Weight empty: 10,000 lbs.
Weight loaded: 16,500 lbs.
Span: 37' 1"
Length: 37' 6"
Max. Speed: 670 mph.
Climb: 7,500 fpm.
Remarks: Specifications for F-86E of which 740 were built by Canadair. The newest model, 5F, is powered by the Orenda of 6,500 lbs. s.t.

**SEA FURY**

Builder: Hawker
Type: Navy fighter
Power Plant: Bristol Centaurus 2,480 hp.
Weight empty: 9,240 lbs.
Weight loaded: 12,350 lbs.
Span: 38' 5"
Length: 34' 8"
Max. Speed: 450 mph.
Combat radius: 720 miles
Climb: 4,320 fpm.
Remarks: The last piston engined fighter to be built in quantity in U. K. Specifications for the F.B. 11.

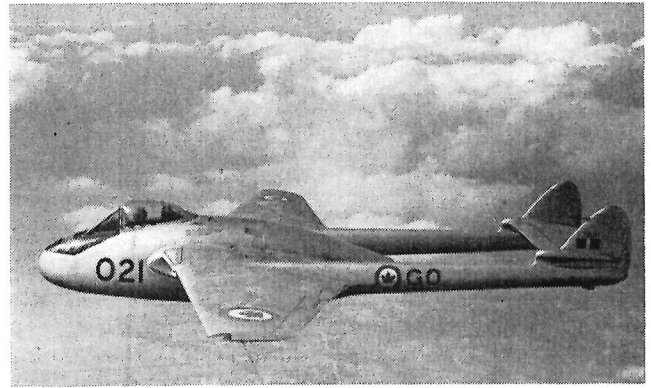
**S-51**

Builder: Sikorsky
Type: Air-sea rescue
Power Plant: P & W 450 hp.
Weight empty: 3,805 lbs.
Weight loaded: 5,500 lbs.
Rotor diam.: 49' 0"
Length: 41' 0"
Speed: 103 mph.
Ceiling: 13,500 ft.
Climb: 1,000 fpm.
Remarks: British version built under licence by Westland is known as the Dragonfly.



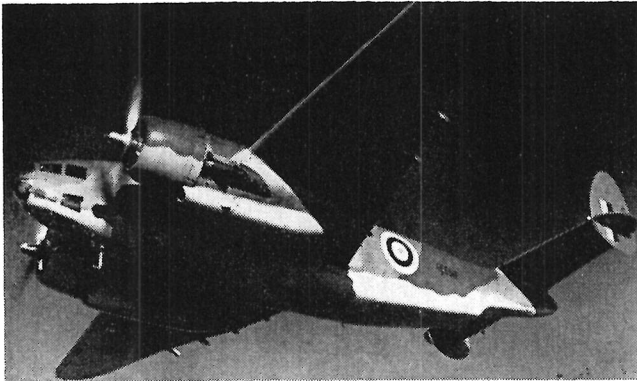
SILVER STAR

Builder: Canadair **Span:** 38' 11"
Type: Advanced trainer **Length:** 37' 9"
Power Plant: Allison 4,600 lbs. s.t. **Maximum Speed:** 580 mph.
Weight empty: 8,084 lbs. **Range:** 1,345 miles
Weight loaded: 11,965 lbs. **Climb:** 5,525 fpm.
Remarks: Designed by Lockheed as the T-33 and built under licence by Canadair. Originally known as TF-80C. 576 ordered by RCAF.



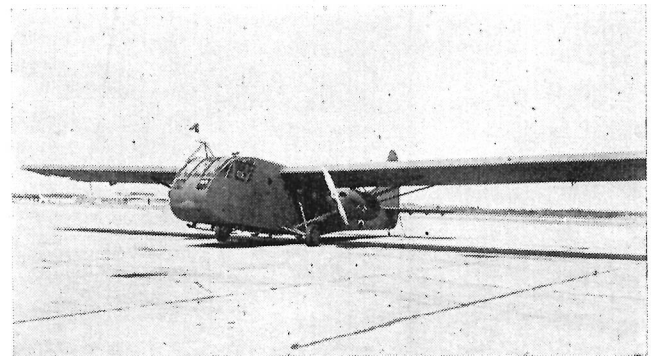
VAMPIRE

Builder: De Havilland **Span:** 38' 0"
Type: Fighter-bomber **Length:** 30' 9"
Power Plant: D.H. Goblin II, **Max. Speed:** 521 mph.
 3,100 lb. s.t. **Range:** 1,170 miles
Weight empty: 7,134 lbs. **Ceiling:** N.D.A.
Weight loaded: 12,263 lbs. **Climb:** 4,250 fpm.
Remarks: Specifications for F.B.5. Many other versions have been built up to F.B.53.



VENTURA

Builder: Lockheed. **Span:** 65' 6"
Type: Target Tug **Length:** 51' 8"
Power Plant: P & W 3,700 hp. **Speed:** 300 mph.
Weight empty: 19,373 lbs. **Range:** 2,000 miles
Weight loaded: 31,000 lbs.
Remarks: Earlier versions used as light bombers and transports during the War.



WACO CG-4A

Builder: Waco. **Span:** 83' 8"
Type: Glider transport **Length:** 48' 4"
Power Plant: None. **Max. Speed:** 150 mph.*
Weight empty: 4,500 lbs. **Range:** 900 miles*
Weight loaded: 7,500 lbs.
Remarks: *Speed and range are shown when towed by a Dakota.

Canadian Aviation

NEW PUBLICATIONS

THE Techniques of Supervision" by Alfred R. Laitner (Arthur R. Croft Publications, New London, Conn.) is an extremely useful book for any company to buy for its library or indeed for any supervisor or would-be-supervisor. Its price is \$4 but a paper bound edition available for purchase by companies for its supervisors is \$2. The National Foremen's Institute, who have assisted in its publication, say it is "specific, stimulating, pointedly practical and readily applicable —easily one of the best approaches to the subject."

THE Aeroplane's 1954 Directory of British and Commonwealth Service and Civil Aviation (Temple Press, London. Price, 21s.) has been improved by the introduction of an easier system of reference to its various sections. It contains references to over 1,600 personalities in British aviation and is a very useful addition to any aeronautical library.

THE FIGHT AT ODDS" (available postpaid from the U. K. Information office at Ottawa at \$3.15) by Denis Richards is the first of a three volume history of the RAF from 1939 to 1945 to be published. This particular volume covers the period to 1941 and includes such famous incidents as the attempt to operate Gladiators from a frozen lake in Norway, the attack on the Albert Canal bridges, the evacuation from Dunkirk, the great air battles of August and September, 1940, the bombing of Coventry, the airborne assault on Crete, the siege of Habbaniya and the escape of the Scharnhorst and Gneisenau.

Denis Richards and Hilary St. G. Sanders, who wrote the second volume, were given full access to official secret documents from those concerning the higher direction of the war down to the sortie and combat of individual pilots. They have also drawn on the records of the enemy and on personal accounts.

Against a wide backdrop of history, the story of the RAF on the flying side during the early critical days of World War II is told in a very readable manner. Because of the authoritativeness of the material and the book's polished literary style, we were reminded of Churchill's histories of the war or of Chester Wilmot's "The Struggle for Europe." Many useful charts and maps are included.