



(Canadian National Defence Photo.)

AVRO CANADA CF-100 CANUCK

All-metal, two seat, twin engined, long range all-weather fighter designed for Arctic defence 1947-48. 18101, first of two Rolls-Royce Avon powered CF-100 Mk. 1 prototypes, first flown at Malton by W. A. Waterton 19.1.50. First of ten pre-production Mk. 2 (Avro Orenda Mk. 1 turbojets) flew 20.6.51 and one was equipped as a Mk. 2T dual trainer.

First R.C.A.F. production batch of 70 Mk. 3 (Orenda 2s) equipped with tip tanks and armed with eight 0.5 in. guns in a ventral tray, included a number of Mk. 3CT trainers. Main production began with Mk. 4A (Orenda 9s) with longer nose housing the Hughes APG-40 fire control system. Armed solely with 2.75 in. Mighty Mouse rockets, 48 in a ventral pack and 58 in wing tip pods. Prototype flown by Jan Zurakowski 11.10.52, first production flew 24.10.53. Final examples were Mk. 4B (Orenda 11) three of which, 18320-22, arrived at the C.F.E., West Raynham, Norfolk, for evaluation 27.3.55. 18321-22 were shown at the 1955 Farnborough S.B.A.C. Show.

Production of the Mk. 5, a lightened and more powerful P.R.U. fighter version with increased span for improved high altitude performance, included 53 for the Belgian Air Force (deliveries commenced 12.57). The prototype Mk. 5, 18323, originally known as the Mk. 4C, flew 9.54 and construction ceased 12.58 at the 692nd aircraft, but a considerable number of Mk. 4Bs were converted to Mk. 5s, and at least two were Mk. 5M with Sparrow missiles.

SPECIFICATION AND DATA

Mk. 4B Two 7,275 lb. s.t. Avro Orenda 11, span 52 ft. 0 in. (53 ft. 7 in. with rocket pods), length 54 ft. 2 in., wing area 540 sq. ft., tare weight 24,408 lb., all-up weight 35,500 lb., maximum speed 650 m.p.h. at 10,000 ft., initial climb 8,000 ft./min.

Mk. 5 Two 7,275 lb. s.t. Avro Orenda 14, span 60 ft. 10 in., length 54 ft. 2 in., wing area 591 sq. ft., tare weight 23,100 lb., all-up weight 36,000 lb., maximum speed 650 m.p.h. at 10,000 ft., initial climb 8,500 ft./min., ceiling 54,000 ft., range 2,000 miles

R.C.A.F. serials: (Mk. 1) 18101-18102; (Mk. 2) 18103-18112; (Mk. 3) 18113-18182; (Mks. 4 and 5) 18183-18792.

Service Use: By nine R.C.A.F. home defence squadrons including Nos. 419, 423, 425, 428 and 445; and by four squadrons of No. 1 Air Division in Europe; also by the 1st All-Weather Interceptor Wing, Belgian Air Force, Beauvechain