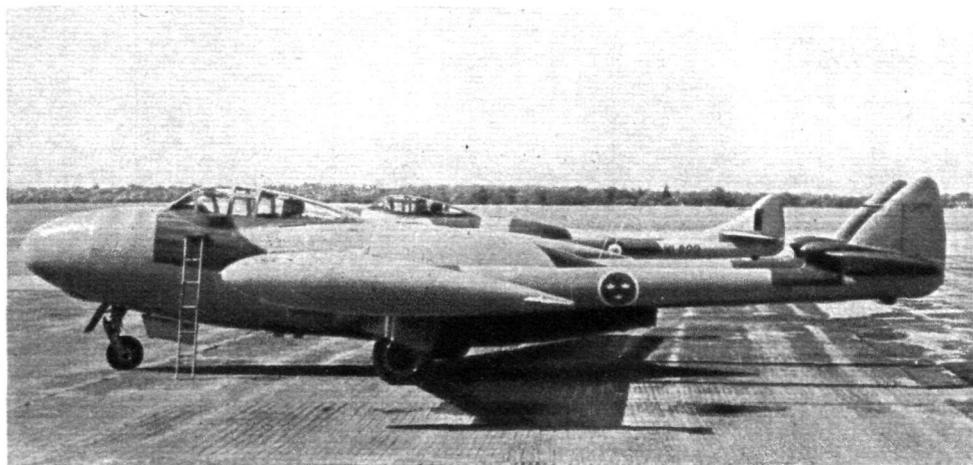


AIRCRAFT INTELLIGENCE



VENOMOUS TAILS: In the foreground is a Venom night-fighter of the Swedish Air Force, and behind it stands an R.A.F. N.F.2 with the latest type of tail. All existing Venom night-fighters are to be modified in this way to improve spinning characteristics.

Great Britain

Vickers Viscount. B.E.A. are now operating six Viscount 701s, which between them have flown over 2,000 hr with 98 per cent regularity. Air France are in possession of their first Viscount 708 (F-BGNK), which is being used at the present time for conversion training. According to a report from India two Viscounts are to be supplied to the Indian Air Force.

France

Marcel Dassault Mystère II. The following authentic data concerning this fighter are now to hand. Span, length and wing area are, respectively, 38.12ft,

38.32ft, and 326.15 sq ft, and alternative power units are the Hispano-Suiza Tay of 6,280 lb thrust, or the Atar 101C of 6,170 lb thrust. The gross weight, with 330 gallons of fuel and 300 rounds of 30 mm ammunition, is 14,330 lb. In addition to two 30 mm guns (presumably of Hispano-Suiza type) and radar range-finding equipment the Mystère II carries V.H.F., I.F.F., V.O.R., D.M.E. The maximum speed at sea level is 671 m.p.h., the service ceiling is 59,050ft, and the initial rate of climb 9,449 ft/min. At an unspecified altitude and at a Mach number of 0.99 the aircraft is claimed to be still controllable in pitch. Controllability at altitude is, in fact, such that an accelera-

tion of 4.2g is attainable at 39,400ft at a Mach number of 0.86.

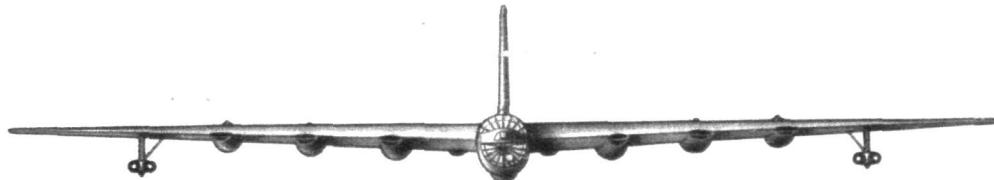
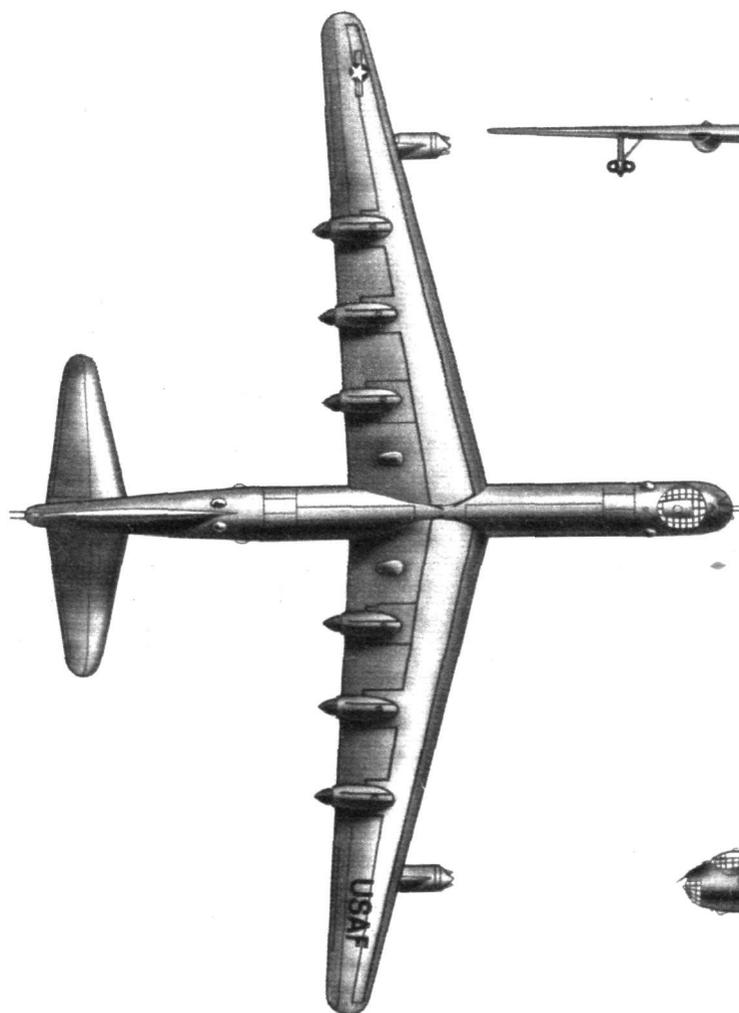
U.S.A.

Douglas AD-4B Skyraider. This "special weapons" variant of the Skyraider is thought to have established a new load-carrying record for single-engined aircraft when it recently took off with a "useful" load of 11,944 lb. Thus, it carried appreciably more than its own weight, for its basic weight is quoted as 11,798 lb. It seems that the figure for the basic weight included four 20 mm guns, ammunition, fuel, etc., and that the total load, including three 2,000 lb, six 500 lb, and six 250 lb bombs, was 14,941 lb.

North American YF-100. Otherwise known as the "Sabre 45," which figure denotes the angle of sweepback of its mainplanes, this latest North American fighter made its first flight recently at Edwards Air Force Base, California. In general the type looks like a large Sabre; it has already been ordered into quantity production. The turbojet is a Pratt and Whitney J57 with afterburner, and the total available thrust is about 15,000 lb. Gross weight is believed to be in the region of 24,000 lb.

Chile

Beechcraft Model B45 (Mentor). The Chilean Government has signed a contract for a million dollars worth of Beechcraft Mentor two-seater primary/basic trainers. Bearing the U.S.A.F. designation T-34A, the Mentor is powered by a 225 h.p. Continental engine giving it a top speed of 189 m.p.h., a service ceiling of 20,000ft, and a maximum range of 975 miles. The Chilean version will be known as the Beechcraft Model B-45, and will differ only in accessories.



CONVAIR B-36D

(Six Pratt and Whitney R-4360 engines and four General Electric J47 turbojets)

Span	230ft
Length	162ft
Height	46ft 9in

