

SERVICE AVIATION (CONTINUED)

FOREIGN SERVICE NEWS

Autogiros in the U.S. Army

SIX Kellett Autogiros of a new type have been delivered to Patterson Field for use in an "Autogiro transition flying training course." The machines are much more powerful than the Rotas used by the R.A.F. and are characterised by a very neatly faired pylon for the rotor blades.

The Bell for Service Trials

THIRTEEN examples of the Bell XFM-1 (Airacuda) twin-engined multi-seater fighter have been ordered for service trials by the U.S. Army Air Corps. The XFM-1 represents one of the most striking advances in the design of military aircraft for some time, having pusher propellers driven by liquid-cooled Allison engines with exhaust-driven superchargers. The noses of the engine nacelles take

the form of compartments for gunners who are armed with shell guns manufactured by the American Armament Corporation. These can be trained over a limited arc and typify the semi-fixed armament now being advocated by one school of experts. Additional armament (there are six guns in all) takes the form of Browning machine guns mounted in "blisters" in the fuselage, reminiscent of those on the four-engined Boeing bombers. A small bomb load can be accommodated. The pilots' compartment seats two in tandem and there are dual controls. It is possible that production machines may have supercharged cabins.

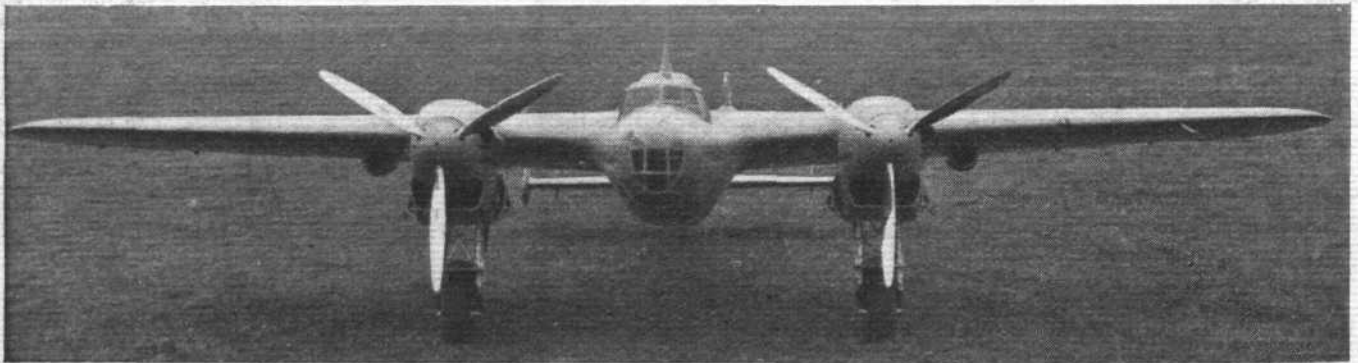
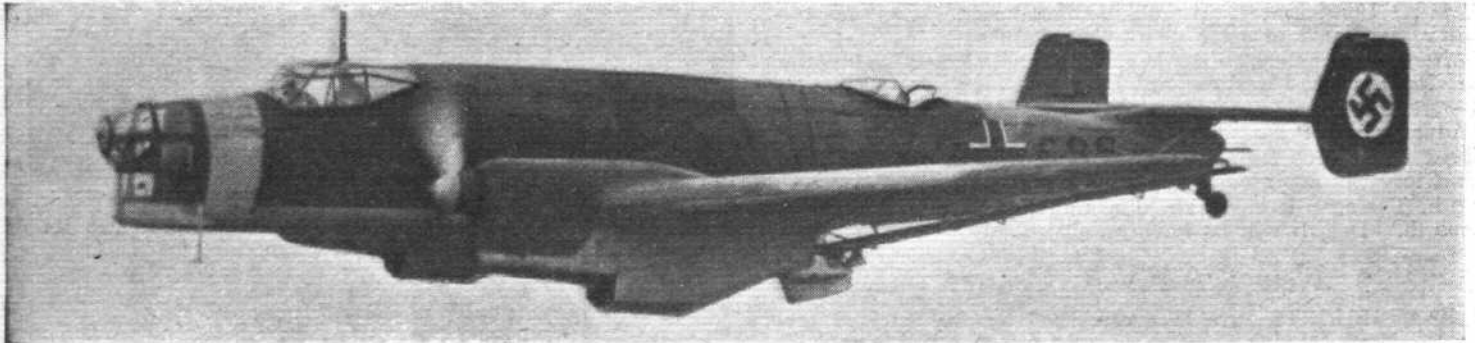
A small auxiliary power plant drives nine electric motors to supply power for the comprehensive radio equipment, lighting and heating, engine starters and the retraction of the main undercarriage, the tail wheel and the split flaps.

The airscrews are of the Curtiss full-feathering type with electric operation.

TEUTONIC TRIO

Representative Types of Germany's Air Force

The Henschel He. 126 (top) is a general-purpose machine particularly suitable for observation (army co-operation) work, due to its parasol layout. Below the Henschel is the Junkers Ju.86K bomber with twin Junkers Jumo engines. Machines of this type equip a number of German squadrons. The Dornier Do.17 bomber (bottom) has two Daimler Benz inverted vee engines and is capable of something like 280 m.p.h. Similar machines, with the older B.M.W. engines, have been in service with the German Air Force for a considerable time.

*Forthcoming Events*

May 26. Royal Aeronautical Society: Wilbur Wright Lecture: "Materials in Aircraft Construction," by Dr. H. J. Gough. Institution of Mechanical Engineers, 6.30 p.m.
 May 28. Air League of the British Empire: Empire Air Day.
 May 28-June 13. Belgrade Aero Show, Yugoslavia.
 May 29. Opening of Aalborg Airport, Rødslet, Denmark.
 June 4-6. Manx Air Races.
 June 11. Bristol and Wessex Aeroplane Club: Garden Party.
 June 18 and 19. Brooklands Four-club "At Home."
 June 22-28. F.A.I. Conference, Berlin.
 June 25. Official opening of Wolverhampton Airport.
 June 25. Air Display, Gatwick Airport.

June 25-July 1. Magyar Pilota Picnic, Budapest.
 June 30. Aero Golfing Society: Jubilee Cup, Prince's, Sandwich.
 July 2. R.Ae.C.: King's Cup Race.
 July 9. Ipswich Aero Club: Flying Meeting.
 July 9-17. National Gliding Contests, Dunstable.
 July 16-18. Deauville Rally.
 July 16. Official opening of Luton Municipal Aerodrome by Secretary of State for Air.
 July 17-24. Third Littorio Rally, Italy.
 July 23. County Flying Club: Flying Meeting at Rearsby, Leicester.
 July 29-August 1. Courtrai Rally, Belgium.