

98ft 9in; max gross, 155,000lb; max cruise, 320 m.p.h.; refuelling radius, with 5,000lb transfer fuel, 1,800 n.m.

Hawker Siddeley Comet C.4 (Four 10,500lb Rolls-Royce Avon 350 turbojets). The five Comet 4s which have been in RAF service for some years are to be phased out at a fairly early date. The RAF Comet 2s were retired this year. Span 114ft 10in; length, 118ft; max gross, 162,000lb; max cruise, 542 m.p.h.; range, with 19,630lb payload, 2,590 miles.

Douglas DC-6/C-118 Liftmaster (Four 2,500 h.p. Pratt & Whitney R-2800-52W radial engines). Although the USAF C-118s are being phased out, DC-6 variants are widely used by many air forces throughout the world for long-range transport. Span, 117ft 6in; length, 105ft 7in; max gross, 107,000lb; max cruise, 276 m.p.h.; range, with 60 combat troops, 2,760 miles.

Lockheed C-140A JetStar (Four 3,000lb Pratt & Whitney J60-P-5 turbojets). Primarily a business jet, the JetStar is also used by the USAF, which has 16, for transport and avionics calibration. The Luftwaffe also operates two. Span, 54ft 5in; length, 60ft 5in; max gross, 40,921lb; max speed, Mach 0.82; max range, 2,210 miles.

BAC VC10 Mk 1 (Four 22,500lb Rolls-Royce Conway RCo.43 turbofans). No. 10 Sqn, RAF Air Support Command, is now operational with its 14 VC10 strategic troopers at the new long-range base at Brize Norton. Span, 146ft 2in; length, 133ft 8in; max gross, 322,000lb; max cruise, 568 m.p.h.; range, with 57,400lb payload, 3,900 miles.

BAC Britannia C.1/2 (Four 4,445 s.h.p. Bristol Siddeley Proteus 255 turboprops). Twenty Britannia 1 troopers and three C.2 passenger/freighters have been in service with 99 and 511 Sqn, Transport Command, since 1959. A further long life is foreseen for them. Span, 142ft 3½in; length, 124ft 3in; max gross, 185,000lb; max cruise, 405 m.p.h.; range with 26,024lb payload, 5,334 miles.

Short Belfast C.1 (Four 5,730 e.s.h.p. Rolls-Royce Tyne RTy.12 turboprops). Ten of these large freighters of 53 Sqn at Brize Norton form the basis of the RAF heavy-equipment lift facility. Span, 158ft 9½in; length, 136ft 5in; max gross, 225,000lb; max cruise, 352 m.p.h.; range, with 30,000lb payload, 3,460 n.m.

Hawker Siddeley Argosy C.1 (Four 2,680 s.h.p. Rolls-Royce Dart 101 turboprops). One RAF OCU and four transport squadrons operate the 56 Argosy C.1 tactical freighters delivered to the RAF. Some Argosies are due for early phase-out. Span, 115ft; length, 88ft 1in; max gross, 103,000lb; max cruise, 269 m.p.h.; range, with 20,000lb payload; 1,070 miles.

Scottish Aviation Twin Pioneer Srs.3 (Two 640 h.p. Alvis Leonides 531/88 radial engines). These STOL light transports are still used in limited numbers by the RAF, which had 36, and the Royal Malaysian Air Force (14). Three more went to Nepal. The RAF's "Twin-Pins" are due for early phase-out. Span, 76ft 6in; length, 45ft 3in; max gross, 14,600lb; max cruise, 158 m.p.h.; range, 576 miles.

McDonnell Douglas C-9A Nightingale (Two 14,500 Pratt & Whitney JT8D-9s). The first of eight aeromedical versions of the commercial DC-9 (designated C-9A) was rolled out in July and will be operated by the 375th Aeromedical Wing of USAF Military Airlift Command. It is claimed that the C-9A will match the combined mission performance of one C-118 and one C-131. The C-9A has a special antiseptic compartment and APU to supply special air conditioning system. Span, 93ft 4in; length, 119ft 4in; gross weight, 108,000lb.

BAC One-Eleven (Two 11,310 Rolls-Royce Spey 511-14s) Two of the series 200 aircraft were delivered to the RAAF this year as VIP transports. Span, 88ft 8in; length, 93ft 6in; max speed, 0.86 M; gross weight, 78,500lb

Handley Page Herald 400 (Two 2,105 e.s.h.p. Rolls-Royce Dart Mk.527 turboprops). Eight



De Havilland Canada Buffalo (Brazilian Air Force)



VFW/Nord/HFB Transall C-160 (French Air Force)

Herald tactical transports are already in service with the Royal Malaysian Air Force, which has now ordered a further two. Further military orders are probable. Span, 94ft 9in; length, 75ft 6in; max gross, 43,000lb; max cruise, 275 m.p.h.; range, with 11,242lb payload; 700 miles.

DH Canada DHC-4 Caribou (Two 1,450 s.h.p. Pratt & Whitney R-2000-13 radial engines). Many emergent air forces have received small batches of Caribou STOL transports through Canadian aid programmes. Over 250 Caribou are now operating with ten air forces. Span, 95ft 7½in; length, 72ft 7in; max gross, 31,300lb; max cruise, 182 m.p.h.; range, with 8,740lb payload, 242 miles.

DH Canada DHC-6 Twin Otter (Two 578 e.s.h.p. Pratt & Whitney PT6A-6 turboprops). Initial military customers for the Twin Otter STOL transport are Chile, with eight, and Norway (4). Span, 65ft; length, 49ft 6in; max gross, 11,579lb; max cruise, 184 m.p.h.; range, with 3,660lb payload, 400 miles.

Canadair CC-106 Yukon (Four 5,730 s.h.p. Rolls-Royce Tyne 515/10 turboprops). Ten side-loading CC-106 long-range freighter/troopers are operated by 437 Sqn, RCAF, while two passenger carrying CC-106s are among the equipment of 412 VIP Sqn. Span, 142ft 3½in; length, 136ft 10in; max gross, 210,000lb; max cruise, 402 m.p.h.; range, with 61,664lb payload, 3,260 miles.

Fokker F.27M Troopship (Two 2,210 s.h.p. Rolls-Royce Dart RDa.7 Mk.532-7 turboprops). Military operators of the F.27 include the Royal Netherlands Air Force, with seven Troopships and three Friendships; and the Sudan air force, with four F.27Ms; span, 95ft 2in; length 77ft 1½in; max gross, 43,500lb; max cruise, 295 m.p.h.; range, with 13,573lb payload, 1,285 miles.

Antonov An-12 "Cub" (Four 4,000 e.s.h.p. Ivchenko AI-20 turboprops). Several Middle Eastern air forces operate this large tactical transport, which is also the mainstay of the Soviet and Indian Air Force heavy transport elements. Span, 124ft 8in; length, 108ft 3in; max gross, 134,480lb; max cruise, 373 m.p.h.; range with 22,050lb payload, 2,110 miles.

Ilyushin Il-14 Crate (Two 1,900 h.p. Shvetsov ASL-82T piston engines). A number of versions of the Il-12 and Il-14 series have been built since the former flew for the first time in 1944. The basic Il-14 appeared in 1953 and was followed by the Il-14M (with stretched

fuselage) and the Il-14P, built in East Germany with slightly reduced weight.

DH Canada DHC-5 Buffalo CC-115 (Two 3,060 e.s.h.p. General Electric T64-14 turboprops). Although designed for use with the US Army, and with costs shared between that service, the Canadian Government and DHC, the CV-7As on charge were transferred to the USAF in 1966. Span, 96ft; length, 79ft; max gross, 41,000lb; max cruise, 270 m.p.h.; range, with 4,000lb payload, 1,960 miles.

CASA 352-L (Three 775 h.p. ENMA Beta B-4 radial engines). Spain still uses a few of these licence-built Ju 52/3ms, which also serve in small numbers with Switzerland and Portugal. Span, 95ft 10in; length, 62ft; max gross, 24,200lb; max cruise, 120 m.p.h.; range 800 miles.

Breguet 765 Sahara (Four 2,500 h.p. Pratt & Whitney R-2800-CB-17 radial engines). A few Breguet "Deux Ponts" long-range freighters still serve with the French Air Force. Among other things, they are used for logistic support of the Pacific nuclear test centre. Span, 141ft 3½in; length, 94ft 11½in. Max gross, 119,050lb; max cruise, 210 m.p.h.; range, with 37,480lb payload, 1,500 miles approx.

Breguet Br.941S (Four 1,480 s.h.p. Turbomeca Turmo IIID-3 turboprops). Despite prolonged development and advanced STOL performance, the Br.941 has still to qualify for a production order, although four pre-production aircraft are being flown experimentally by the FAF. Span, 76ft 6in; length, 77ft 9in; max gross, 58,400lb; max cruise, 264 m.p.h.; range, with 22,000lb payload, 620 miles.

CASA 201 Alcotan (Two 500 h.p. ENMA Sirio 7A radial engines). Few of the 112 Alcotans built are still flying with the Spanish Air Force, which is now operating 20 of the similar but larger CASA 207 Azor T-7A/T-7B transports. Span, 60ft; length, 45ft; max gross, 12,150lb; max cruise, 193 m.p.h.; range, 621 miles.

NAMC YS-11 (Two 3,060 e.s.h.p. Rolls-Royce Dart RDa.10/1 Mk 542 turboprops). Four YS-11P troop transporters have been delivered to the Japanese Air Self-Defence Force, while the Maritime SDF operate a further four YS-11M freighters with strengthened cabin floors and extra freight doors. Span, 105ft; length, 86ft 3in; max gross, 51,808lb; max cruise, 297 m.p.h.; range, with 12,550lb; payload, 340 miles.