



TEESSIDE

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NEWS

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Well, nobody (but Eddie) could complain about Tees-side's Air Show 82, with such good weather & exceptional displays by the Shack, F-111, A-1, Tiger Moth, Pitts & Falcons. To manage to have THREE flying USAF aircraft seems miraculous- how many were at Farnborough? None at Finningley or Leuchars & precious few at Mildenhall even. The only snag seems to be getting there & back- if anyone has any good ideas, they'll be passed on to the planners for their consideration. Overheard in the crowd (truly): "The wheels are sticking out on top.....oh, it's flying upside down!"

Some traffic figures for the Airport have emerged: more than 20,000 people used the Amsterdam service last year, in the first 6 months of 1982, the Heathrow service carried 23% more than in '81 (at £54 including breakfast, it is £5 cheaper than the BR first-class fare from Darlington). In the first seven months of '82, 22,000+ more pax than in the equivalent period of '81 (+ 16.5% = 133,300 total).

Mr.Eddie Kyle of Kyle Business Services, plans to fly a Concorde to either Biscay at £255, or Heathrow for £165 per seat, on December 11th, a Saturday. Let's hope this plan goes better than the one from a Peterlee travel agent some time ago. Talk about it!

Jodel D.117 G-AVVM undershot Brunton, Northumberland & crashed killing the owner, Mr.Richard Corker & his wife on 30th July. The aircraft took part in the Sunderland Air Show on 20th June, as a local PFA member & was on its way to a PFA meeting at the time. P.91) Eight minutes from Leuchars? A Phantom recently took 20 minutes! Blimey, a Backfire from TD would be over Northern Ireland by then. Roll on our Leeming Tornado fighters!

On the 18-19th August 1930, the Graf Zeppelin flew from the South Coast- Bristol Channel- Irish Sea, arriving at Carlisle at 0645, then via Newcastle, Sunderland and Hartlepool to Leeds at 0930. There was fog at Bradford, so it went Slby, Howden- East Anglia- London - Haworth on the South Coast at 1840. 1200 miles in 23 hours. The second Graf Zeppelin, LZ130 made spying flights off the East Coast in 1939. Interesting bits from an article by Ian Nutley in "Philatelic Magazine", August 1982.

A member wants to know if there ever was a Penistone Flying Club in Yorkshire? Eits Catterick still has a Bofors gun on the gate! Lossiemouth now has Gannet T.5 XG882 on its. Hendon's Vulcan was XL318 ex 617 Squadron. P.79:G.S.M.helicopter fleet consists of G-BFJT/S/U, BGFS, BGKK & BGTZ . 'JS is a Ce340, the rest Bell 47- Sioux. Farnborough apart from the display (p.107), a member saw Hunter T.7's WV383, XL563 & XL621 Sea King HAS.1 KV371, BAC 111 KX919 & a Chipmunk in one hangar, all in "raspberry ripple"! Another hangar contained Canberra wings.

It is said that the RAF keep two Chipmunk Mk.10s at Gatow, Berlin, to show the flag over the city as is their right. One is WZ862, the other WD289(?)

Pilot's Notes the Bell UH-1D 1954; ditching with power on:

"By applying full right lateral control, cause the helicopter to slip sideways into the water, using resistance to stop the rotor blade. Rolling the helicopter on the right side with the right hand doors & windows closed will provide max.flotation & escape period".

THES-SIDE AIR SHOW 82, Saturday, 28th Aug. 82

D.L.Thompson.

Scheduled

Viscounts G-AOHT Polar, AYOX, AZNA BIA, Shorts SD 330 G-OCAS Casair.

Movements

Emeraude ASCZ, Ce150 ASMW, Ce172 AZZV, Robin BBOE, Traveller AA-5 BCPN, Ce150 BDSL, Pa-32 Lance BFYC, Jet Ranger BGGY, Citation PH-CTF.

Pleasure Flights

Navajos AYVM, BASU, Aztec BBPZ, Titan PATT, SD330 OCAS, all Casair.

Static Display

Vulcan XJ823, Dominie XS731/J 6 FTS, Jetstream XX499/L 6 FTS, Jet Provost T.5A XW287/P 6 FTS Finningley. Jetstream XX500 Red Arrows support, Hawk XX227 Red Arrows spare.

Flying Display

Tiger Moth G-ANEL/N9238, Lancaster PA474/AJ-G, Spitfire PR.19 PM631/AD-C, Vintage Pair-Meteor T.7 WF791, Vampire T.11 XH304 (CFS Leeming), Mosquito T.3 RR299/HT-L Bae Hatfield, Shackleton AEW.2 WL756/56 8 Sq.Lossiemouth, Andover C.1 XS596 Falcons support, F-111F TC-2556/LN 492 TFS/48 TFW Lakenheath, Phantom FG.1 XV581/E 43 Sq.Leuchars, Tornado ZA541, A-10A 70-0203 + - 81 TFW, Hawks XX251,252,253,257,259,260,264,266,306 Red Arrows, Pup 702 TFC, Blackburn B.2 G-AEBJ BAE Brough, A-1 BCIT Cranfield, Pitts BDKS, BECM "Vixen", Cardiff, Cameron N-77 BFUG "Storey Parker & Sons", Ce172 BIUI & BJYD CFS, Rutan Japanese IVAN "Mistress", Yeadon, Squirrel BKF8, T-33 Silver Star JETT, Ce441 Conquest IWM Casair, AKRO G-RIDE, CAP.10B SLEA, Ryan PT-22 N1344, Skystrike microlight.

The substitution of Jetstreams & Andovers for Falcons & Red Arrows support instead of Hercules must be put down to their activities "down south", This was the first public display by Bob Thompson (once of Rothman's Team) of his superb Silver Star.

Finningley Battle of Britain Display, 4th Sept.82.

R.S.

As there was no TAS bus trip needed, I went the cheap & easy way, by Ellerman-Bee-Line at £4.30 return. 0930 start & 1215 arrival, including a ½ hour for breakfast. Entry £2.

Static Andover XS606, Basset XS765, Buccaneer XV355/I, Bulldog XK624/G, Canberra SC.9 XH132 RAE, Canberra TT.18 WJ715 100 Sq, Chinook ZA711/BR, Chipmunk WG407/81, Comet 4C XV814 RAE, Devon WB533/DA, Dominie XS731/J, Hawk XK166/166, Hercules XV179, Gazelle XX408/P, Harrier XV787/02, Jaguar XK731/GK, Jet Provost XW287/P, Jetstream XX492/A, Lightning XR772/BB, Meteor VZ467/01, Phantom XV433/F, Spitfire TB382, Sycamore XJ380, Tornado ZA594 Varsity WJ897/E, Victor XL161, Vulcan XM597, Wessex XR520, Whirlwind XJ729.

Fuerza Aerea Argentina: Pucara A533, Iroquois "AE413".USAF F-4 68-556/AR, F-5 01569, OV-10 03796. Kon Marine Nord 262 /52. F-5 K-4030.

Elsewhere V-S Corsair 133722, JPs XW291/N, 302/T, 309/V, 304/X, 306/Y, 293/Z, G-AGHY Dakota Aces High "Ruskin Air Services", said to be once rescued from Catterick by the IWM with only 3500 hours on! Photo JPs XW298/O, XW296/Q, XW307/S, Polaroid colour £1.20. Super Cub BBYB, Bo208 Junior CLEM, Cheetah BHC8, Ce152s BHEC, BHED, AWPB "Me 108".

Display The King's Cup Air Race was in its final stages when we arrived, and shortly, a Vulcan tanker towing a drogue did a pass, turned hard & climbed out with no drogue visible, said to be on its way to Toronto Air Show. Then I saw Blackburn B.2, six AAC Lynxes "Silver Eagles?", Beaver, Cranfield A-1 G-BCIT, Spitfire XT-M plus Me108, Wessex with opening flag, Red Arrows, Vintage Pair, Harrier GR.3, 43 Sq. Phantom, Victor with 2 drogues but no company, Vulcan, Nimrod carrying two Sidewinders 45° climb-out & a 180° bank, away, /34, Shackleton, Puma, Sea Fury, Jetstream, Gazelle,, VC-10, ground attack piece with 2+2 Jaguars, 2 Harriers, Chinook & Puma, Battle of Britain Memorial Flight, Corsair, Dakota, Hawk /180 ex Valley, Red/white/blue F-5 K-3019 of 215 Sq, Twente ending with some poor fast rolls at high speed, Tornado, Andover /596 & 13 Falcons, Dominie 708, Jet Provosts, F-27M smokey display, half of it on one engine. Just after the end Vulcan XJ782 flew in some philatelic covers from Waddington to become the new gate guard! (Tornado was ZA541). Notice no USAF flying- didn't TD do well?

Members who chose Leuchars apparently had a less-happy time:

Leuchars Battle of Britain Display, 4/9/82

E.Serrell.

We got stuck at Turnhouse, as the train in front broke down at the Forth Bridge. Aircraft on the field were F-27, 2 Bandeirantes, Tomahawk, C-12 US Army; landing: JAF DC-9, taking off, a Trident 3. Nearing Leuchars, an Air Atlantique DC-3 was joy-riding. Thanks to the Age of the Train (broken-down), we had missed the Wessex, Tiger Moth, Microlights, Sea King & F-5, and arrived in the 1 -2 pm interlude.

Static was done as the Falklands Display (as Finningley): Nimrod & Hercules with refuelling probes, Victor, Sea King, Wessex, Chinook, Harrier, Rapier missiles, plus the Vulcan which made the first hole in Port Stanley runway: signed recce photos of the hole

were £1 each. Other static aircraft: Bulldog, 2 Tiger Moths, 1 + 2 camo.Hawks, Jet Prov. Hunter, Phantom- the one that was at Leeming in ANG week, Buccaneer, T2 Jaguar, messy Tornado, OV-10, F-111/UH, Dutch F-5, Norwegian F-16B, 2 German plus one Danish F-104, Eagle & A-10.

Static(*= flew) A-10 81-002/WR, Alouette 350,351,499 Grasshoppers, Andover XS569*-Falcons, Buccaneer XN962, XZ430, Chinook ZA708/BE*, F-5F 244 R.Nor.AF., F-15C 80-018/BT-36 TFW "The Bulldogs", F-16B 306 R Nor AF, F-104 23/95,24/43 WGAF, RP655 Danish AF, F-111 68-007/UH, Harrier XV752, Hawk XX161,158,177, Hunter XG155/I, Jaguar T.2 XX846/A, J.P.5 XW332,408,359, Lightning 6 XS399/AA, OV-10 13555, Pilatus P-2 J108* Private, Phantom XV574 111 Sq, Nimrod XV253, Tornado ZA585, Victor XL191, Vulcan XM607, Wessex XR499, XS675, XV724. Flight pan: Phantoms XV572,581 49 Squadron.

Flew: Harriers /E & /F, Hawk XX323, Hercules XV211,XV293, Jetstream XX498(Red Arrows), Phantom XT863, Tornado ZA541, VC-10 XR806, Vulcan XJ823.

The Show (what we saw): Four 111 Sqdn.Phantoms gave a fine noisy display, the Dutch F-27M was as smokey as ever. Mosquito took off, displayed & went to Finningley, Tornado from F showed plenty of afterburner. VC-10, then Vulcan flypasts. The Falcons dropped from a misty sky, then the Pilatus gave a good display for a WW2 aircraft. The Grasshoppers looked odd with just three. Mock attack by 2 Harriers, Hercules & Chinook on the decoy lightnings. Hawk & Shackleton followed the Falklands Flypast of Victor, Vulcan, Nimrod and Hercules. Then one more Nimrod- with sidewinders! The Chinook did a good display, sliding around the sky. The Vintage Pair from F. displayed before an individual ballet by the Harrier. The Battle of Britain Flight (Spitfire, Lancaster & new paint-work Hurricane) did the usual. Mist now turning to rain. Final noisy display by 43 Sq. Phantom, with rain pouring down as Red Arrows ended the show.

Farnborough 82 Friday 10/9/82

D.Croucher.

The display started three emergency service helicopters flying past: Puma ZA941 RAE "Rescue Leader", Puma XW236/CG (CQ?) "Rescue Two" & Wessex XS482/D "Fireball One", while fire service vehicles lined-up on the runway. Chinooks ZA710/BC, ZA711/BR also overflew just before G-BIHN Skyship 500 came in for its opening run. RN Sea Fury TF956, Sea Hawk WV908 & Swordfish took off; the last doing a slow flypast while the others came in from the other way, before individual displays. After an impressive Red Arrows display, the Show proper started with BAe146 G-SSCH in Dan-Air colours and BAe146-200 G-WISC for Air Wisconsin flying past, followed by a Tornado doing a fast take-off. Four more, of 9 Sqdn fly over before G-HAWK comes to demonstrate. Five Sea Harriers do a set piece, with one doing most of the hovering & the others flying-past. Next came BAe748-2B G-11-22, G-TALL Jetstream advertising its 68ft 6in headroom, HS125-700B G-OBAG, VC-10 K.2 ZA141, Nimrod AEW.3 XZ286 in flypast. Aeritalia SF.260 TP I-TPTP & jet trainer SF.211 I-SIJF Followed Hughes 500MD & Hughes AH-64A Apache attack helicopter. The Fieldmaster G-NRDC crop-sprayer backed out onto the runway before taking-off, spraying water. Three Slingsby T.67 Fireflies G-BJCY,BJIG & BJNG precede Shorts Skyvan G-BJDC, SD.330 BKDO & single-finned SD.360 G-WIDE. The F-16 took off fast & loud, climbs sending out white smoke from tip tanks, then come Super Puma F-WZLB, Squirrel & Dauphin 2, the Canadian three: Twin Otter C-GFJQ, Dash 7 CAF 132002 & Buffalo C-GCTC. The A.310 Airbus F-WZLI taxies out, off then in, to let out the other French aircraft: Alpha Jet, Mirage F.1, 2000 & 4000, with the new Dassault Atlantique, Falcon 50 F-BINR, adding up to a very noisy spot.

Westland's four helicopters came next: RN Sea King XZ916, RN Lynx ZD253, Army Lynx G-LYNX & 30 G-BIWX in BA colours. Next the Pillan CC-ETP based on the Cherokee Arrow & once used by the Chilean AF, CASA Aviojet trainer, Turbo Islander G-MAFF, Pilatus PC-7 turbo trainer HB-HAO. Finland's OH-TOW & OH-VAA, Valmet Towmaster for gliders & L70 miltrainer respectively, Sweden's Viggen /59 took off before the Finns displayed. Next appeared the Dornier 228-100 D-ICOG, Aerospacial Epsilon FAF trainer, two Bo105s from MBB, the MBB-Kawasaki BK.117, Aermacchi MB339K I-BITE & MB.399A, Edgeley Optica EA7 G-BGMW, Canadair Challenger N637ML & C.22J Caproni Vizzola basic jet trainer. Embraer showed the Tucano PP-ZDK & a turboprop trainer. Yet another trainer, the two-seat Fantrainer with ducted turboprop D-EATJ by Rhein Flugzeugbau & MBB & Micro Jet 200B closed the show, leaving a 47 Squadron Hercules Mk.3 to come in with Spartan & Scorpion AFVs & Landrover. Unloaded, it then gave a short-landing demo. The Marlboro Pitts and the Battle of Britain Memorial Flight were last. There were still enough interesting aircraft left to make another display, but most US aircraft stayed in the static park.

Who's interested in a Paris trip in 1983?

Two more for the Frying Squad

D.E.Thompson.

Two more Vulcan B2's landed at RAF Catterick on the morning of Thurs. 19th August 1982 to retire, though not so gracefully, after 25 years service and at a time when they have never before been so much in the public eye.

The crowd's enthusiasm and admiration for the Vulcan was in evidence at Tees-side Air Show, where XJ823 was the centre of attraction. It's a great pity she didn't fly during the show, but those of us who stayed until the bitter end got a good view. The barriers were removed and the Vulcan taxied forward along the peri' track which only a couple of hours earlier had been a car park, towering over the few remaining sideshows, to the runway. After taking off at 1945 she made two low and fast passes, and departed on the third, dropping her wing in salute as she climbed away.

The two Vulcans which landed that morning also attracted the crowds. The Catterick Fire School's first Vulcan, XH554, arrived on June 9th 1981 (9/81 TAN) and with the gradual run down in the Vulcan force under way, further inmates were to be expected. Catterick has a runway of only 3500 feet, so the North Yorkshire police have to cordon off part of the A 1 road. Much to their trepidation and embarrassment the Vulcans arrived early, before any of this had been done. They flew west towards the A 1 and its lay-by overlooking the runway, which contained cars and one lorry. The first aircraft in was XH 562 of 101 Sqn. at 1055, followed by XL321 of 55 Sqn. at 1145, both from Waddington. Once their Olympus engines had shut down for the last time and the crews had vacated the aircraft, they were towed to the east side of the airfield. Here they were chocked and made secure awaiting ground crews to remove certain equipment, before being moved off the runway and nearer to the dump. It is intended that the aircraft will not be burned for some considerable time, but will be used to practice rescue techniques. The present situation at Catterick is:

N.W.T.C. Canberra B(I) 8;XH228/B. Behind woods Vulcan B2;XH554.

By River Swale Lightning T.4;XM997 fuselage.

Main Burning area Whirlwind HAR 10;XJ724 ex 202 Sqn. Finningley, minus rotors. Victor K.1A;XA939, charred remains only. Victor K 1A;XH647, on belly, only nose burnt. Hastings C.1;TG536, engineless and unburnt. Canberra BI 8;WT362/R nose only intact.

It can be seen from the above that a lot of aircraft have disappeared over the last twelve months. Gone are the Vampire, Varsity, Jet Provost T.3, Meteor T.7, Argosy, Devon, Meteor and Vulcan noses, and most surprisingly of all Shackleton AEW 2;WL 745, which only arrived on July 13th 1981. The Shackleton MR 2's lasted for over 5 years! In the FF & SS hangar was Hunter F.6;XF990/8007M nose but no other. Note also the apparent disappearance of that superb Buccaneer S.1;XJ925, a resident since 1971, I only hope it hasn't gone the same way as the rest.

645 Gliding School Sedbergh T.21B;WB979, WB985. Kirkby Cadet T.3;WT868, 905, 918 & XE808. Plus Tiger Moth;N9238/G-ANEL and Bofors gun on gate.

A New Microlight Takes to the Air - But Only Just

D.E.Thompson

A new two-seat microlight aeroplane flew for the first time at Sunderland/Usworth Airport on Friday September 2nd 1982. Designed and built by the Aero and Engineering Services Company of Washington, the aircraft is the brainchild of David Wilson who has held a pilot's licence for thirty years. His first design, the Lone Ranger, was registered in October last year as G-MBDL & has been well received by the 'fraternity'; this new design, the Sky Ranger (G-MJHB) is hoped will also sell well.

The prototype was brought from the company's factory to Usworth to fly before press & television cameras. Unfortunately, there was a strong wind and the flight consisted of a series of hops along the runway!

The Sky Ranger is a high-wing braced monoplane, with an enclosed cockpit below. The engine is mounted above the cockpit & the propellor is situated in the centre of the leading edge of the wing, above & in front of the cockpit. The wingspan is 36 feet and length 17 feet, and, powered by a 430 cc engine, it has a maximum speed of 100 mph & a range of 250 miles. The price is £6,000, & orders have already been received as construction begins. The company is 3 years old, with only a small workforce, but hopes to expand, with more jobs in the near future.

Russian "unapproved" joke: It seems that Mr. Brezhnev & the whole USSR Cabinet were travelling by plane, when the bottom fell out of the aircraft. The passengers were left hanging on to the luggage racks. In order to lighten the load, it was suggested that somebody should let go. Mr. Brezhnev said that, as he was the oldest, he would make the sacrifice, whereupon the whole Cabinet gave him a round of applause!

From The ArchivesThe Story of the Bristol "Twins". Part 2

Parallel with the bomber Blenheim, in 1937 Bristol also began to supply a number of Blenheim IT trainers, without the dorsal turret. The sturdiness & good all-round qualities of the type prompted the Air Ministry to order a number of the Mark IF fighters. These had an armoured nose & four additional .303 Browning guns in a ventral box. After the Battle of France, several Blenheim IF were fitted with the new centimetre radar and its "bow and arrow" antenna, and went straight into squadron service to stem the flow of enemy night-bombers over this country. Some Mk.I were converted to PR.I standard with filled-in nose panels & cameras having small bulges in the belly.

The Blenheim Mk.2 was to be a heavier version of the Mk.I, but was not built.

The Type 142A Blenheim Mk.3A had a 4 foot longer nose than the 39ft 9in of the Mark I, which it otherwise resembled. It also had increased fuel & range. The view with the elongated nose was unsatisfactory, and only K7072 was converted. Its nose was further modified until similar to a Beaufort's (then called Mk.3B), which was still unsatisfactory in view. The port side of the nose was "Scalloped" to resemble the Mk.4 & was known as the Mk.3C. It went to Canada and became the prototype Bolingbroke I, to Specification 10/37. Production was by Fairchild in Canada. The Mark I was Type number 149S, while the Mk.2 was 149W, with 825 hp Twin-Wasp Junior engines in place of the Mercuries. The Mk.2 was used for coastal reconnaissance, operational training & target-towing.

During Bolingbroke development, production at Bristol's turned from the short-nosed Blenheim I to the longer-nosed Mk.4. Initial production aircraft were the 142S with 905 hp Mercury 15 motors & lengthened to 42ft 9 in. Loaded weight rose to 14,400 lbs & range to 1900 miles. The first Mk.4 was the ubiquitous K7072, & the first produced, L4853. It was in service at the outbreak of war, and 80 of the short-range version without extra wing tanks were built. With the additional tanks, the Mk.4 became the 4L, (Type No.142L) and one or two 0.3 Vickers guns could be mounted in the dorsal turret. The Rootes factories produced the 4L to specification W35/36.

The need for increased defensive armament led to unorthodox modifications by sqdns. in the field, including one or two fixed guns firing rearwards, one in each nacelle; or for an additional gun in the fuselage tail. A later standard modification consisted of a rearward-firing 0.303 Browning in an offset transparent blister under the nose. Coastal Command Blenheim 4L's had an additional Vickers K nose gun, operated by the bomb aimer; most of these did not have the rearwards firing blister fitted. Before Beaufighters were used for coastal work, many 142L type aircraft became 142LF's on the fitting of an under-belly tray of four 0.303 Brownings as on the Blenheim 1F.

As the type became obsolescent, many Mk.4s were converted to two-seat trainers with the dorsal turret deleted. Altogether, 2,942 Blenheim 4s were built and batches sold to Finland, Yugoslavia and Rumania. It is believed that there were quite a number of serviceable Blenheims with the Portuguese Air Force in the early fifties.

Reverting to type No. 149, the 149 HA (after the Blenheim 3 and Bolingbroke) was a 2/3 seat bomber with redesigned semi-glazed asymmetrical nose and a length of 43ft 8in. There was provision for more armour and oxygen for the crew on the only one built, AD 661. Last of the 149 Series, was the 149CS known as the Bisley. This was a two-seat ground straffer with a new "solid" nose containing four 20mm cannon. Again, only one prototype (AD657) was constructed.

From AD661 was developed the Type 160 Blenheim 5A, with two 0.303in guns in the Bristol type X dorsal turret, and two more rearward-firing in an undernose trough, equipped as a three-seat day bomber. From AD 657 was evolved the 160 CS Blenheim 5B close support aircraft with four 0.303in guns in an armoured unglazed nose. Final two marks of the Blenheim were the 160T Blenheim 5C, a three-seat dual-control trainer, and the three-seat tropical day bomber 160 D Blenheim 5D. Carrying Vokes air filters and additional radio equipment 940 of the Mk.5D were produced by the Rootes Group. To meet the requirements of Specification M15/35 Bristol submitted a design (Type 150) for a mid-wing twin Perseus torpedo-bomber carrying an external torpedo and generally resembling the Blenheim in appearance. The type was not built, and the specification was amended to G24/35 for which the company constructed the prototype Type 152 Beaufort general purpose torpedo-bomber. This (L 4441) flew in October 1938 with provision for one 0.3in Vickers gun in the dorsal turret and one 0.303in Browning in the port wing. The bomb aimers panel was rounded, cooling intakes well forward of the cowlings and the exhausts in the lower nacelles. Span was 57ft 10in, and a loaded weight of 21,228lb. The Beaufort 1 had a top speed with a torpedo of 225 mph.

The aircraft was quickly put into production, the first of the 955 built being L4442.

Production aircraft had the cooling intakes moved back on the nacelles, the underwing part of the nacelle rounded & the exhausts repositioned in the middle of the cowl- ing. Armament in the Daimler dorsal turret was two machine guns, & some aircraft also carried pin-mounted beam guns. The DF loop folded, & either a semi-enclosed torpedo of 1 1605 lbs, or bombs carried internally or stowed in the wing. The engines were originally 1065 hp Taurus 2, & later the Mk.6 version. S (To be continued.)

QUIZ 1) Avro Vulcan first flight date? 2) Date the D.H.110 broke the sound barrier?
3) Which aircraft is the Hawker P.1067? 4) BOAC's name for their Short Sunderlands?
5) What did the Germans call the V-1 flying bomb? 6) Which ship was a casualty of the Japanese Kamikaze suicide attacks? 7) Which airline operates into RAF St.Mawgan? (i.e. "Newquay" Cornwall. 8) NATO code names of MIG 25M, MIG 29 and SU 25? (Answers p.111)

AUSTER AIRCRAFT

Civil conversions of Auster 5, continued.

C/no.1333	TJ258	VT-CKQ	AP-ACA	Crashed 6 ml N.of Walton AFB, 3/5/49
1337	TJ253	AP-ACS		Cr.Tezgaon Airport, Dacca, 6/7/54
1347	TJ259	AP-AOR	AP-AHY	
1349	TJ260	VH-AHQ		Burnt in hangar fire, Bankstown, 22/9/60
1358	TJ268	VT-COG		Cancelled from Indian Register, 1957
1362	TJ275	AP-ADF		
1364	TJ272	VR-RCA	VH-RCA	
1368	TJ307	G-ANEP		Burned Dusseldorf, 12/3/54
1371	TJ302	VT-CLD		
1374	TJ297	F-OAHF		
1375	TJ299	G-AKWK	TC-AYLA	
1377	TJ300	VT-CON	VT-DKI	
1378	TJ306	VT-COM		
1382	TJ304	VT-CKR	AP-ABG	
1385	TJ312	VR-RBR		Crashed Malacca, Malaya, 31/5/51
1389	TJ355	VR-RBX	9M-ALL	
1400	TJ352	G-AJYH	PH-NAD PH-NEG D-EJON	
1407	TJ339	G-ANIT		Lost at sea off Hastings, 2/7/54
1408	TJ341	G-AIKB		Cr. Ruabon, Wresham, 26/3/48
1409	TJ343	G-AJXC		Current 1982
1410	TJ340	SE-CDL		
1412	TJ342	G-AKOV	ZK-AVH	
1415	TJ348	D-ELEG		Cr.Cologne, 2/7/58
1416	TJ347	G-AIPE	PH-NET	
1417	TJ351	G-AMAP		Sold in France, july 1951
1425	TJ422	G-ANIO	LN-BNB	
1427	TJ363	SU-AHD		Cancelled Egyptian Register 1954
1429	TJ375	G-ANIS		
1433	TJ367	G-AJTV	TC-URER	
1435	TJ372	G-AJVN	ZK-AVX	
1438	TJ380	G-ANIR		
1439	TJ373	G-APJK		
1440	TJ371	F-OAOD	HB-EOL CN-TZC	
1443	TJ399	G-AKFT		Cr.into sea off Beachy Head, 7/2/60
1445	TJ402	G-AJTM	VP-KNE	
1446	TJ376	F-OAMX		Cr.Tunisia 25/9/56
1448	TJ401	G-AKSP	F-BDAY	
1453	TJ394	G-ANIP	SX-ADA	
1469	TJ433	G-AKOT		Cr.Gorleston, 9/9/62
1470	TJ410	G-ALBW		Cr.Kimbers Farm, Booker, 24/7/52
1494	TJ506	G-ANIN		DBR Barrow, 19/11/59
1495	TJ478	G-AJVT		
1503	TJ457	G-AKSZ	F-BGPQ	Dam.Chateau Thierry, 17/3/56
1505	TJ517	EC-AJR		
1516	TJ458	G-AKMC	ZK-AVF	Cr.Masterton, N.Z. 3/1/60
1517	TJ462	I-AUKA		
1518	TJ467	ZS-DXA		

Airfield VisitsBourgas, Bulgaria, 8/8/82M.A. Walton.Tu154: LZ-BTD, K.M. An24 LZ-ANF, K. Tu134 LZ-TUR, OK-APB. IL-14 LZ-ILE (preserved).
WZL-101 Wilga DM7009.

9/8: LZ-CAE Mil-8 Hip, plus 307 or 347 Mil-8 Air Force on SAR

15/8 LZ-BAB An-12. 16/8: CCCP 85279 Tu 154. 14/8 Mig 21. 18/8 3X Mig.17

19/8 Flight for 20 mins. in LZ-CAE. Highlight of my year: Massed Flypast by no less than 24 Mil-24 Hind D helicopter gunships.

20/8: LZ-7091 WZL-101 beach patrolling 21/8 /38 Mil-4 Hound beach patrol

22/8: Tu134 LZ-TUC, E, L, R. Tu154 LZ-BTE, K, M. Many more, plus Il-76s & An-12s unident

Leeming 1/9D.Croucher.

XS640 Andover, radar calibration. XK234 Hawk, CFS badge on fin.

17/9: Bandeirante PT-SFA, Tucano PP-ZDK. F-111 overshoot.

Birmingham 2/9

B.707 5B-DAO, B.727 BCDA, DC-9 EC-DGB, BAC 111 AVGP, Twin Otter BEZP, BMA F-27 BDDH & BMAS, Ce150/2 AVIB, OWAK, Bell 206 BBBN, B.737 OSLA, Viscount AYOX, Baron AYPD, P.68 NENU, Air Fungus (to quote a baggage handler) MI-ANF & ASG. Falcon SE-DEL, Citation BHTT & DC-3 A2-ADL promised but not seen. BA Viscount wreck is ?

14/9 Tower Bridge Short Sandringham G-BJHS moored.Gatwick 15/9 Hercules TR-KKA Air Gabon.Ferryhill 13 & 14/9

158 10

E.Serrell.

Groups of KC-135 seen going N & S. Apparently to/from Bodo, Norway. Some exercise.

Eddie wishes to thank all those who turned up to make the Farnborough trip a success.Quiz Answers 1) 30th August 1952 2) 9th April 1952 3) The Hunter 4) "Hythe" class

5) FZG-76 6) (First) ship was large US escort carrier "Santee".

7) Brymon Airlines 8) Foxhound, Fulcrum, Frogfoot

Continued from overleaf:

1526 TJ479 HB-EOB EC-AKE	
1529 TJ480 G-AKMB SE-BUR	Crashed Vallsson, Sweden, 6/3_*1961
1530 TJ471 G-AKMI F-BGPB	Damaged Sarrebruck, 31/5/62
1532 TJ513 G-ALCT SE-BZB	
1737 TJ514 G-AJVK F-OAEP	
1542 TJ515 G-ANIM LN-BDK	Storm blew over on lake, Trondheim 21/8/58
1544 TJ543 G-AIPO F-DAAI F-BEAX	Cr. Arpajon 6/3/55
1547 TJ589 F-OAHE	Aero Club Marcel Goulette, Ivato
1550 TJ541 G-AJLE SE-BZC	
1551 TJ509 F-BGXQ 3A-MAC	
1552 TJ511 SE-BXR	
1556 TJ531 G-AJFI OH-AUA	
1557 TJ545 G-ALJB	Cr. Harraton Hill, Co. Durham 13/5/51
1563 TJ520 G-AJJB VP-KKL ET-P-19 ET-ABJ	
1565 TJ565 G-AMVD F-BGTF	Current 1982 as G-AMVD
1567 TJ534 G-AKSY F-BCOO	
1575 TJ527 G-ANIL D-BCIL	
1577 TJ592 TF-LBP	
1579 TJ569 G-AKOW PH-NEG PH-MAD	Current 1982 G-AKOW
1583 TJ530 G-AKJT VT-DGB	
1586 TJ567 G-AKPJ ZK-AXP	
1588 TJ537 G-AJII F-BFXG	
1594 TJ542 CX-AOQ LV-	
1603 TJ587 G-AMNU D- GF FIR D- BL LIR D- BER K	
1606 TJ585 G-ALNW OO-VAV D-EDUZ	Cr. Emsdetten 9/9/59
1607 TJ591 F-OADJ	
1622 TJ603 VR-SDE	Cr. Pontian 5/10/52
1631 TJ627 VP-CBC CY-AAJ 4R-AAJ	
1643 TJ628 AP-ACT	Cancelled Pakistan register 1951
1644 TJ630 AP-AEC	Cr. Sukkore 12/11/51
1645 TJ633 VT-CNA AP-ACC VT-CNA	
1652 TJ638 G-ALKK ZK-AXQ	Cr. Mamakee, NZ 21/11/55
1665 TJ645 EC-AJT	
1666 TJ648 F-OADP	

TEES-SIDE AIRPORT MOVEMENTS - August 1982 112

Scheduled, training, local & IT traffic is summarised at the end.

Day	Regn. Type	From	ATA To	ATD
1	G-ARMW HS748	Edinburgh	1004 Osnabruck	1026
	AWVN?Aeronca 7AC		Sutton Bank	1129
	BJHB Mooney 20		Biggin Hill	1410
	EKFB AS.350B	Pocklington	1817 Hilton	1848
	CTLN EMB.110	Edinburgh	1841 Dyce	1900
2	OY-ASL EMB.110	Norwich	0655 Dyce	0737
	TIME TS.68	F/T Baginton	1036	1522
	BNSS Pitts	F/T Oxford	1248	1258,4/8
	AVYT PA-28R	T/F Le Touquet	1207,7/8	1458
3	PRES Ce441	?	Oslo	0654
	BANS PA-34	F/T Halfpenny Grn.	0947	1325
	BFOH Bell 47	Edinburgh	1215 Grangetown	1211,4/8
	F-GCSD Ce172	Sothend	1441	
4	BHFY Be55	F/T Leavesden	0828	1616
	BHVV Ce414	Elstree	1350 Leicester	1452
	AKUA Pup	Hurn	1437	
	BGYU EMB.110	Amsterdam	1628 LBA UK 821	1706 LBA div.in
5	OY-ASL EMB.110	LBA	0702 Glasgow	0718
	BRUX PA-44	F/T Tollerton	0835	1128
	BGAB Ce152	F/T Kirmington	1439	1520,6/8
	ROLL Pitts	Halfpenny Grn.	1805	
	BGOY PA-31	Glasgow	1932 Luton	2000
6	FTTA PA-31		Rhoose	0645
	BFON PA-31	F/T Ringway	0908	1124
	AOHT Viscount	Southend	0941	
	BAGO Ce421	F/T East Midlands	1052	1108
	BEMD Be55	Birmingham	1122 Usworth	1148
	AZEK PA-23	F/T Newmarket	1159	1552
	LATC EMB.110	Dyce	1849 Norwich	1916
	EASI SD.330	Waddington	2133 Ronaldsway	0826,7/8
7	F-GCSD Ce172	Usworth	0936 Southend	0842
	AZEK PA-23	F/T Newmarket	1116	1540
	BJVV Robin	Blackpool	1244 Doncaster	1354
	BDWY PA-28	Tollerton	1250	
8	LATC EMB.110	Amsterdam	0531 Ronaldsway	0849
	TIME PA-28	F/T Ringway	1054	1652
	BIVU AA-5	F/T Norwich	1122	1311
	HULL Ce152	Bridlington	1230 Usworth	1303
	NEWS Jetranger	Henley on T.	1517 Near Inverness	1547
	AVYT PA-28	T/F Southend	1816	0936
	ASVN Ce206	F/T Bridlington	1541	1559 Br.Skysports
	LATC EMB.110	Ronaldsway	1743 Luton	1802
9	BGRO Ce172	Kirmington	1113 Usworth	1152
	BFOH Bell 47	Wilton	1145 Edinburgh	0807,10/8
	OY-AKP Ce337	F/T Stauning	1549	1502,10/8
	PRES Ce441	T/F Ringway	2030	1557
	EKFB AS.350	F/T Hilton	1841	1912
	BAKB S-61	Dyce	1904 Galveston Quay	1920
	BEJD HS748	Glasgow	2038 Dyce	0927,10/8
	BAKB S-61	Galveston Quay	2302 Dyce	1103,10/8
10	EDMD PA-31	Blackbushe	0651 Dyce	0707
	BFNK PA-28	F/T Oxford	1022	1121
	AXAX PA-23	F/T Lutsgate	1051	1608
	BJXA T.67A	Kirmington	1346 LBA	1508
	BBHE Enstrom	Sadberge	1507	
	BGOY PA-31	Dyce	1509 Lutsgate	1524
	BDMD PA-31	Dyce	1811 Glasgow	1837
11	OY-ASL LMB.110	Glasgow	0530 Amsterdam	0530

12	G-ATRW PA-32	F/T Southend	0826		1309
	TYGA AA-5	Glenrothes	0907	Southampton	1019
	BHOV P.68	LBA	1056	Goodwood	1253
	AVNB Ce150			Stapleford	1314
	BGON GA.7	F/T Elstree	1536		2030
	FTTA PA-31	T/F Ronaldsway	1520,15/8		1750
	OY-ASL EMB.110	Dyce	1806	Kirmington	1840
11	OY-ASL EMB.110	Glasgow	0530	Amsterdam	0530
	BGOX PA-31	Edinburgh	0608	Dyce	0637
	BEPZ PA-23	T/F Inverness	1602		0717
	BHFX Be55	Leavesden	0842	LBA	0920
	AXOZ Pup	T/F Stansted	1650		0932
	BHSM Bell 47	Usworth	1021	Coventry	1401
	D-IBCI Be20	Marl	1414	Perth	1444
	*BJZK Ce T303	Jersey	1503	Usworth	1525
	OY-ASL EMB.110	Amsterdam	1518	Kirmington	1714
	BDMD PA-31	F/T Glasgow	1556		1608
	XW789 Dominie	Aldergrove	1711	Northolt	1759
13	PATT Ce404	T/F Copenhagen	1208,14/8		0707
	HB-SOM GY.20	Carlisle	1338	Duxford	1438 Div.in WX
	BLFZ P.68	F/T Yeovil	1442		0816,15/8
	BEPZ PA-23	St.Mawgan 1351,14/8		Kirmington	1639
	BHUL Be90	Venice	1645	Goodwood	1825
	BIUL Ce152	T/F Bridlington	1936		1749
	LATC EMB.110	Dyce	1904	Norwich	1927
	BDMD PA-31	Dyce	1941	Blackbushe	2007
14	BEJD HS748	T/F Hurn	1933		0845
	ZING Learjet 35	Gander	0902	Stansted	1039,17/8
	BCGJ PA-28	Bridlington	1130	Grindale	0933
	AVGA PA-24	T/F "Toulouse"	1613		1159 Did not find
15	BHVU Ce414	F/T Elstree	0843		0856 the place!
	D-IBCI Be20	Perth	0947	Marl	1025
	BHVU Ce414	Div.back	0910	Elstree	(17th)1300 Emergency
	AVRY PA-28	Kirmington	1530	Barton	1609
	BKFB AS.350	Dunkald?	1726	Hilton	1808
	BHAV AS.350	Leyburn	1742	Hayes	1803
	FTTA PA-31	Newcastle 0157,16/8		Aldergrove	2325 Kidney Flight
16	LATC EMB.110	Norwich	0649	Dyce	0710
	FTTA PA-31	T/F Scatsca	1633		0709
	BHYT EMB.110	F/T Liverpool	1116		1333
	BFOH Bell 47	Edinburgh	1143	Liverpool	0733,17/8
	PRES Ce441	T/F Shannon	1932		1532
	CTLN EMB.110	Dyce	1808	Glasgow	1839
17	LEON PA-31	Glasgow	0632	Dyce	0654
	ANUO Heron	F/T Ringway	0810		1544
	DJBE Ce550	Copenhagen	0858		
	LAIN Ce210	F/T Cranfield	1121		1302
	PRES Ce414	T/F Aldergrove	1517		1129
	HHOI HS125	F/T LER	1729		1744
18	BGKX Ce310	F/T Leicester	0830		1732
	BHFX Be55	F/T Leavesden	0835		1606
	CTLN EMB.110	Glasgow	0905	Riggin Hill	1047
	JATO PA-23	T/F Blackpool	1721		1405
	PRES Ce441	T/F Aldergrove	1522		1126
	CTLN EMB.110	Amsterdam	1702	Kirmington	1800
19	HGGS EMB.110	Gatwick	0611	Glasgow	0717
	BJAG PA-28	Toussus le N.1832,22/8		Auxerre	0708
	BHOV P.68	LBA	0922	Goodwood	1722
	NODE AA-5	Elstree	0938	Sywell	1318
	DJBE Ce550	Biggin Hill 1616,29/8		Copenhagen	1505
	LEON PA-31	Dyce	1814	Glasgow	1902
	HGGS EMB.110	Glasgow	1938	Dyce	1955

20	G-ROUS PA-34	T/F Glasgow	1539	0821 Linskill
	BFST P.68	F/T Cranfield	0826	1131 Phoenix Avn.
	OY-AZN PA-31	F/T Stavanger	0913	1000 PNO Avn.
	SE-GIS PA-31	Newcastle	1043 Oskarshamn	1302
	ASAT M.S.880	F/T Thruztton	1251	0937,21/8
	HGGS EMB.110	Dyce	1821 Norwich	1835 Euroair
21	BHDR Ce152	Brough	0800 Carnaervon	0850
	BECJ P.68	F/T Booker	0808	0945
	LN-PAD Be20	F/T Skien	0834	1455
	NEWS Jetranger	Inverness	1142 Henley	1209 Peter Press
	ASVN Ce206	Bridlington	1153 Grindale	1244
	BHDR Ce152	Div.back-weather	1209 Brough	1456
	HROI HS125	F/T LHR	1528	1831 THF
	BEYY PA-28	F/T Luton	1711	1720,23/8
22	ASVN Ce206	F/T Bridlington	1444	1508 Br.Skysports
	BFSY PA-28	Ronaldsway	1657 Birmingham	1852
	WTVB Ce404	Glasgow	1719 Dyce	1908
23	HGGS EMB.110	Norwich	0711 Dyce	0733
	NAJR Ce421	F/T Liverpool	0953	1440 Genair
	BFOH Bell 47	Liverpool	1044 Edinburgh	0755 ; 25/8
	BCRN Ce150	Perth	1103 Edinburgh	1234
	BFGG Ce150	F/T Perth	1116	1237
	ANUO Heron	F/T Leicester	1137	1551
	PATT Ce404	T/F Shannon	2028	1535
	ARMX HS748	Returned,fault	1553 Amsterdam	1658
	LATC EMB.110	Dyce	1821 Glasgow	1848
24	ANUO Heron	F/T Leicester	0758	1540
	BFOH Bell 47	Returned,weather	0820 Edinburgh	0752
	ATHW Mooney 20	F/T Sywell	0952	1637
	MARG PA-31	F/T Dublin	1034	1627
	HB-ICE Caravelle	Liverpool	1207 Zurich	1313 CTA, RU986/989
ICO	LEAR Lear jet	Villa-France	1311 Ringway	1336 Northern Exec.
	BEMD Be55	Northolt	1744 Dyce	1748 Vaux Breweries
25	OY-ASL EMB.110	Glasgow	0530 Amsterdam	0624
	BPAR PA-31	Glasgow	0538 Dyce	0612
	BESM Jetranger	Newcastle	0815 Coventry	1204
	IANS Rock.Comm.	Leavesden	0804 Edinburgh	1104
	BHFY Be58	F/T Leavesden	0844	1554
	BCHK Ce172	F/T Bridlington	1231	1426
	BHOV P.68	Goodwood	1535 LBA	1605
	OY-ASL EMB.110	Amsterdam	1541 Biggin Hill	1602
	EMCA Be200	Halfpenny Grn.	1548 Ringway	1745
26	CTLN EMB.110	Liverpool	0530 Dyce	0639
	LN-BWN CV.580	F/T Stavanger	0949	1330
	BPAR PA-31	Dyce	2013 Glasgow	2030
27	BDCS Ce421	Ringway	0644 Halfpenny Green	0713
	JTGA PA-23	Coal Aston	0651 Edinburgh	0717
	FITA PA-31	T/F Inverness	1607	0659
	OY-AZN PA-31	Billund	0723 Stavanger	0818
	BIEZ Be90	F/T Stansted	0834	1703
	AZUY Ce310	F/T Denham	0926	1726
	BJAG PA-28	T/F Birmingham	1345	0947
	BEYY PA-31	F/T Biggin Hill	0955	1329 Trans Eur.Air.Ch.
	XITWO Xingu*	Dyce	1300 Oxford	1416 CSE
	BDKS Pitts	Rhoose	1313 ? With BECM for Air Show	0710,28/8
	AVGA PA-24	Felixstowe	1328 Toulouse	0825,30/8 For Air Show
	XW287 Jet Provost	F/T Finningley	1401	1455
	BEON S-61	Gatwick	1409 Dyce	1509
	BHOV P.68	LBA	1426 Goodwood	0853,30/8 For Air Show
	XS731 Dominie	F/T Finningley	1501	0801,29/8
	PH-CTF Ce500	Soesterberg	1514 Amsterdam	1518
	AVYT PA-28	Norwich	1133,30/8 Leavesden	

27	RR299	Mosquito	Hawarden	1611	Leuchars	1444,28/8	
	JETT	Lockheed T-33	Duxford	1615	Coventry	1358,29/8	
	XX493/L	Jetstream F/T	Finningley	1620		2022,30/8	
	BMAV	AS.350	F/T Barnard Castle	1655		1733	McAlpine Helics.
	ANEL	Tiger Moth	Catterick	1828	?	1412,28/8	
	LATC	EMB.110	Dyce	1856	Norwich	1915	
	AVLY	Jodel	Newcastle	1946	Northallerton	0840	
28	XJ823	Vulvan	F/T Waddington	0928		1835	
	AEBJ	Blackburn B.2	F/T Brough	0946		1335	
	AXZT	Jodel	F/T Harrogate	0948		1634	
	XS596	Andover	?	1011	Binbrook	1535,28/8	RR7798
	IVAN	Varieze	F/T Gamston	1014		1649	
	BCPN	AA-5	F/T Malton	1033		1635	
	SLEA	CAP.10B	Cranwell	1031	Binbrook	1450,28/8	
	BKFB	Squirrel	F/T Hilton	1104		1432	
	BGGY	Jetranger	Glasgow	1129	Inverness	1233	
	N1344	Ryan PT-22	Doncaster	1137	?	1405	
	BFYC	PA-32	F/T Woodvale	1156		1638	
	Vintage	Pair	F/T Leeming	1238		1247	
	ZA541	Tornado	F/T Binbrook?	1300		1353	GWA 17
	00203	A-10	?	1309		1315	with ?
	RIDE	Akro	?	Local:	1325	-1416 To Coventry	1532
	WL756	Shackleton	F/T Binbrook	1333		1333	
	02366	F-111F	?	Local:	1446	-1452	"C-04"
	XV581	Phantom FG.1	Binbrook	1356	Leuchars	0741,29/8	Local 1440/1454
	ZZZV	Ce172	T/F Billingham	1425		1341	
	BCIT	Cranfield A-1	Binbrook	1440	Leicester	0856,29/8	Local 1534/1545
	Red	Arrows	Binbrook	1524	Cottesmore	0916,29/8	Local 1559/1619
	Lanc.&	Spitfire	Binbrook		Corningsby	0906,30/8	
	XX500/H	Jetstream	Binbrook	1617	Cottesmore	0928,29/8	FYT 96
	BAOV	AA-5	F/T Bridlington	1852		0747,29/8	
	BBJZ	Ce172	F/T Bridlington	1904		0607,29/8	
29	BHKY	Ce310	Dyce	0852	Ostend	0934	
	BBOE	Robin	Hawarden	1720	Dyce	1816	
	BHKY	Ce310	Ostend	1729	Perth	1820	
30	BKFB	Squirrel	F/T Hilton	1017		1035	
	AWWU	Ce172	Enstone	1031	Cowton	1550	
	BFOH	Bell 47	Edinburgh	1036	Liverpool	0754,31/8	
	AZLY	Ce150	T/F Kirmington	1554		1243	
	PRES	Ce441	T/F Shannon	1957		1550	(AYVM 1/2 hr. later)
	AVGA	PA-24	Jersey	1950			
31	LATC	EMB.110	Norwich	0712	Dyce	0728	
	BHOV	P.68	F/T Goodwood	0725		0818	Fosters
	OY-MBB	Be90	Angelholm	0804	Prestwick	1304	
	BIVU	AA-5			Elstree	0824	
	BECO	Be36	Tollerton	0843	Holbeach	1225	
	LN-HOT	Ce550	Rotterdam	0906	Karmoy	1635	
	BEYY	PA-31	F/T Biggin Hill	0938		0942	
	HB-ICN	SE.210	Zurich	1121	Aldergrove	1220	
	PH-VSP	Ce172	Southend	1350	Edinburgh	1458	
	OY-MBB	Be90	Prestwick	1532	Angelholm	1517	
	BCGJ	PA-28	T/F Bridlington	1856		1725	

Scheduled Services Heathrow: AYOK 14,15,21,22,28. AZLS 5,7,8,21. AZNB 7,21,28,29. AZNC 1,7,14,21,22,28,29. BAPF 1,8. BMAA 6,7,15-27,29. BMAE 6,1,8-14. BMAT 30,31. Jersey: AYOK 14,15,21. AZLS 7,8,21. AZNB 7,29. AZNC 17,22. BAPF 1,7. BMAA 6,7,15,21,22,29. BMAE 6,8,14. BMAT 8,14,22. Glasgow AYVM 2-6,9-13,16-20,23,26,30. BBPZ 2,19,20,24,25,27. PATT 2,9,16,24,25. BASU 27,30. Guernsey/Isle of Man: BASI 7,8. OCAS 1,7,14,15,21,22,28,29. PRES 1. Amsterdam: ARMX 2-6,9-13,16-20,23-27,30. BEJD 2-6. Norwich/Dyce: BAKL 6. BCDN 16-20. BHMK 12,13. BHKY 2,3,4,5,9-12,23-27. BHMZ 17,30,31. Gatwick/Belfast: OCAS 2-6,9-13,16-20,23-27,30. PATT 3-6,16. PRES 27.

Inclusive Tours: Barcelona B727 DA2114/5 BCDA 1/2,8,15,22,29/30. Corfu B.737 BY329 BGYD 19. BJZW 5. Dusseldorf/Jersey Viscount VF5324, (VF5490/1) AOYN 29. AOYS 1,15,22.

APEX 8. Majorca: DC-9 A01094/5 EC-BIP 21/22 (to, via Madrid), -CGO 1, -CGU 14/15, -CGS 8, -DGB 28/29. DC-9 EDO05/6 EMAA 6, 20/21, 28/29, EMAB 8/9, 13/14. B.737 BY037 BAZG 3, 10, BAZH 31, BECG 17, BECH 24. B.727 DA2188/9 BCDA 7, 14, 21, 28. Malaga B.728 DA2154/5 BCDA 5, 19. Shannon Casair AYVM 19, 30. BPPZ 26. PATT 5, 23, 26. PRES 2, 9, 12, 16, 30.

Charter Rotterdam F-28 PH-CHD 1, 14/15, 21/22, -CHF 7/8. -CHE 28 (& Dublin). CHF
Polar Viscount AOHT t/f East Midlands 10/12, 12/13, 15/16, 22/23, 26/28.

Crew Training Casair BPPZ 19, AYVM 7, 13, 14, 26, 31, PATT 23, PRES 10. Dan-Air ARMX 2, 10, 17, 19, 23, 24. Polar AOHT 15. Colt Cars PA-23 SATO 31.

Military Bulldog 3, 25. Hawk 12 (XK298), 19. HS.24? 30. Jet Provost 3 (XN608), 4, 10, 12, 16, 19, 23, 24. Jetstream 23. Phantom (XV581) 26.

"Local" Airfields movements to/from: Carlisle ATJU 14, BAWK 17. Aberdeen/Dyce AOHT 24, AVYT 7, AYVM 27, 31, BASU 29, BPPZ 18, 19, BDMD 3/4, 5, 11, 12, 13, BEDJ 25, BEJD 6, 9, 10, 11, 12, 13, 17-20, 23-27, 30, 31, BPAR 25, FTTA 4, 9, 11, 17, 18, 25, 26, LEON 17, 18, 19, PATT 18, 19, 23, 26, 29, 30, PRES 23, 26, OY-ASL 3, 4, 17. Leeds/Bradford LBA: ARMX 8, 14, 15, 21, 29, ASMW 28. AXUA 29, 31. AXOZ 9. AZLP 9. AZLY 31. AZZV 9, 12, 19. BAHW 31. BRJX 17. BDWY 31.

BFFC 31. BFGL 17, 31. BGRG 24. BHOV 28. BISJ 15. BIUI 3, 31. BJAG 16. BJYD 8, 9, 10, 30. ROUS 16, 19. SATO 8. Newcastle/Woolsington: AOHT 24. AVNB 10. AXOZ 31. AZLP 9. AZLY 27. AZZV 12. BAWK 8, 17. BPPZ 17. BCGJ 27. BDSL 9, 14. BDWY 22. BFFC 31. BFGL 31. BFMH 28. BIVI 27. BJAG 27. BJYD 14, 21, 27. CTLN 3. FTTA 26. PATT 17. Sunderland/Usworth: ASCZ 28. ATJU 8. AVL1 1. AVYT 14. AWCL 21, 22. AXHG 22. AXOZ 7. AYMK 28. AYYX 8. AZLY 9. BAFW 3. BEOE 22, 28. BCGJ 15. BCGS 17. BEOE 31. BFZH 8, 14. BHRH 13. BISM 11. BIVI 31. BJYD 13.

Local Flying underlining shows landed locally (not as above): AOHT 22. AVGA 3, 11, 17, 18. AVUS 14, 19, 30. AVYT 14, 22, 31. AXHG 15, 16, 26, 3, 5, 8, 15, 17, 22, 26, 28, 30. AXOZ 3, 8, 10, 14, 15, 22, 27-29, 31. AZLY 7-11, 13-18, 21-23, 25, 26, 29, 31. AZZV 1, 3, 4, 7, 8, 10-15, 16, 17, 18, 21, 22, 24-27, 31. BAHW 10, 20. BASU 26, 29. BCGJ 3, 8, 11, 14-16, 20, 22, 23, 26, 28, 29. BDKS 27. BDSL 1, 3, 4, 7-11, 13, 15-17, 16, 19-31, 27. BDWY 3, 3, 5, 7-11, 13-18, 21, 22, 24, 25, 26, 27, 28, 30, 31. BECM 27, 28. BISM 11, 25. BIUI 3, 5, 7-11, 13-28, 17, 18, 30, 31. BJAG 1, 3, 7, 7-15, 23, 28-31. BJYD 2, 3, 3, 8-11, 13-17, 21-23, 25-28, 28, 30, 31. PRES 4, 28. ROLL 6. ROUS 22. SATO 11.

The British Register- additions

ARYD Auster AOP.6 - WJ358 H.Wallopp Museum	BKFF Westland 30 006
BJYK Jodel D120A 185 F-BJPK	BKFG Thunder AX-3 -
BJYM BAC 111-531 242 TI-LRI Dan-Air Svs,	BKPH Cessna T303 - N4735C Rogers
BJYO Tomahawk 112 38-0997 - CSE	BKPI Evans VP-1 10491
BJZD DC-10-10 46970 G-GFAL Br.Cal A/ways	BKPJ Cessna A185F 04285 N61981 Rogers Avn
BJZT Cessna FA152 F.0372 } Denham F/School	BKPK Isaacs Fury 2 GCJ-01 Essex
BJZU Cessna FA152 F.0380 }	BKPM Rutan Quickie RDPC-01 Notts
BKAC Cessna F150L F.0888 G-BAIO Gord.King Av	BKPR CP1301C Emeraude 519 F-BJFF Chorley
BKAE Jodel D120-200 200 F-BKCE	BKPS HS125-700B 257172 5H-SMZ Zanzibar
BKAF FRED 2 10337 Kent	BKGB Jodel D120 267 F-BMOB Sussex
BKAI SA330J Puma 1586 Bristow	BKGD Westland 30 002 G-BKBJ
BKAN Cessna 340A 01528 Northair	BKGF Saxon II 10436 Saxon A/c, Essex
BKAZ Cessna 152 82832 Skyviews & General	BKGH Bell 250-A1 30088 Autair, Luton
BKBC Twin Otter 300 347 VP-FAQ Jersey Euro.	BKGI Bell 212 30524
BKBF EMB.110P1 219 Clanair Ltd.	BKGL Beech 31M(C-45) CA-164 CF-QPD
BKBJ Westland 30 002 see G-BKGD	BKCM Beech 31M (C-45) CA203 CF-SUQ
BKBL Westland Lynx 87 249	BLAW Cherokee 181 28-90184 Clement Garage
BKDC Sonerai II 876 Berks.	BUDY Colt 17A 413
BKEK Cherokee 6-300 32-40091 OY-TOP Cruspane	CMZY Thunder AX9-140 427
BKEM TB10 Tobago 316 } Air Touring Svs	FCHJ Cessna 340A 0486 Telspec Ltd.
BKEN TB9 Tampico 315 } Biggin Hill	IFLI AA-5A Cheetah 0831 London Avn.Ltd.
BKEP Cessna F172M F.1095 OY-BFU Wickwell Ltd	IVOR Aeronca 11 1035
BKES Cameron Bottle 846 Lighter-than-air	JBAE Jetstream 31 602 B.A.Public
BKEV Cessna F172M F.1443 PH-WLH Wickwell	JENA Mooney 20J 24-1304 N1168D Express Avn
BKEW Jet Ranger 206B 3010 D-HDAD	JULI Cherokee Arrow 28R-35248
BKEZ PA-19 Super Cub 18-1628	KINE AA-5A Cheetah 0896 Audio Kinetic UK
BKFA Sonerai III 10524 Hants.	SCAN Vinten-Wallis WA.116 autogyro 001
BKFB AS350B Squirrel 1613 T.W.Walker Ltd.	SFHR Aztec 250 27-54041 G-BHSO Isle of Man
BWFD Westland 30 004	USAF N.Amer.T-28C 225-166
BKFE Westland 30 005	VIEW Vinten-Wallis 116 002 W.Vinten Ltd.

Credits Tees-side Airport ATC, Air Pictorial, Flight, Evening Gazette, D.Croucher, E.Serrell, D.E.Thompson, H.A.Walton. S.Dobson & P.A.Nann for help with the movements.