

THE AVRO  
REPAIR  
ORGANISATION  
II) LANGAR



EXACOMPTA

## PART II THE LANGAR-CUM-BARINSTONE WORKS

The first sheds of A V Roe and Co Ltd's new Repair Works at Langar airfield were constructed through the summer of 1942, as the bomber airfield itself was finished off and made ready for occupation.

The Avro works (see diagram attached drawn by Ken Allen) was constructed on the west side of the narrow Langar to Harby country road, effectively outside the security fence around the airfield (which lay on the East side of this lane).

The No. 1 Hangar (or 'Shed' - as it was called by the factory workers) was the first to be completed and No. 2 and No. 4 (with the office accommodation) were being finished off in August 1942 when the first employees started work under Mr Ingrid, the Works Superintendent.

(Ingrid was later succeeded by 'Phil' Lightfoot, C Oatway, and last of all before Langar closed in 1968, Johnny Smallwood.)

Nos. 3, 5 and 6 Hangars were finished off during the next few months, and No. 7 Hangar - extra large in size, to take the new Avro Lincoln bomber - was finished in 1944.

The large Dispersal Area (No. 17 on the diagram) was also complete and as all the Avro site at this time was across the road from the airfield (with its heavily guarded perimeter fencing) special gates had to be opened and closed when aircraft taxied between the dispersal and the airfield - or, vice versa. Sentries would be in attendance and the Langar road traffic would be held up while this was in progress.

### Stripping down and rebuilding

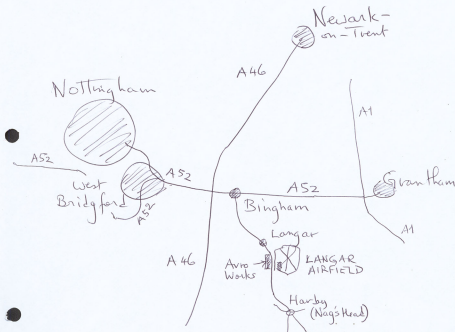
William Arthur Hubbard, who joined Avros at Langar as one of the first apprentices when it opened in August 1942, remembers the various Category 'B' sections of Lancasters all used to arrive on RAF 'Queen Mary' trailers from the crash site.

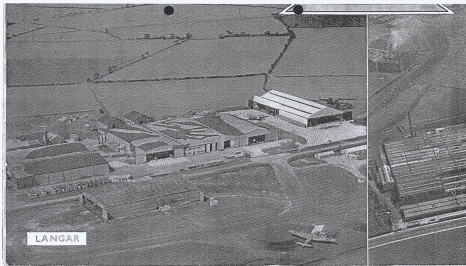
(All the Lancasters rebuilt at Langar had been declared Category 'B' wrecks in the first instance. Category 'B' was defined as: *"Repair on site not possible. Aircraft must be dismantled and sent to a repair facility"*.)

His first job was to record all the serial numbers from the rear fuselage assemblies, collect the aircraft log books, and hold them in the office, while the various aircraft sections were repaired and put together again. If some sections were too badly damaged to use again, replacement sections from the Manchester factories, other repair depots, or from subsequent crashed Lancasters - would be used on the earliest arrivals, to put them back into the air again. Sometimes Squadrons would insist that their particular Lancaster must be rebuilt from all its own broken down assemblies, for sentiment's sake (usually when



# Location of Langar.





AVRO'S REPAIR DEPÔT AT LANGAR AIRFIELD IN WWII  
SHOWING THE CAMOUFLAGED HANGARS, WITH A YORK  
AND LANCASTER BEING REPAIRED.

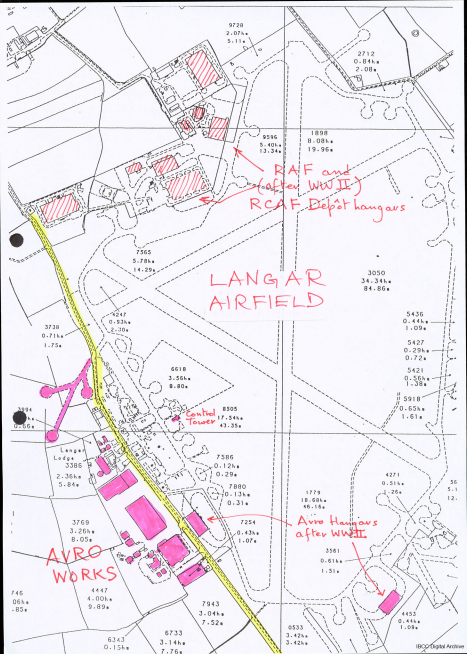
# LANGAR AIRFIELD

RAF and  
(after WWII)  
RCAF Depot hangars

Control  
Tower

Avro Hangars  
after WWII

AVRO  
WORKS



that particular Lancaster had a high total of bombing raids to its credit, bore a charmed life, or had been crewed by a famous pilot, etc.

Arthur Hubbard remembers that as the number of Lancasters being repaired increased dramatically, repaired sections started to arrive from Bracebridge Heath, Brush Electrical at Loughborough (wings) and the LMS Railway works in Derby (fuselages), in addition to all the various assemblies of Lancasters being re-worked at Langar itself. At an early stage, he remembers working on the two Rolls-Royce Vulture engines on the one and only Manchester bomber that Langar dealt with (R5777 in May 1943).

#### **Test-flying the repaired Lancasters**

For the period October 1<sup>st</sup> 1942, to November 23<sup>rd</sup> 1943, whilst 207 Squadron was based at Langar and equipped with Lancasters, any newly repaired Lancasters out of the Avro works were test-flown by pilots from the bomber squadron.

The repaired aircraft needed at least one test-flight apiece to clear them, so that pilots from the Air Transport Auxiliary (ATA) could then deliver them to the necessary Maintenance Unit (MU) - or occasionally direct to a Squadron - where the armament could be re-fitted again. More often than not, two or three test-flights were needed and in exceptional cases six or seven might be flown. One Lancaster B.Mk I W4899, which had had an action-packed operational career with 61 Squadron up to its final trip, needed eight flights to clear it after being repaired, and after having all the latest modifications to bring it up to the latest state of readiness. Another, Lancaster B.Mk I R5734, had to have 12 test-flights in all. This came from a Conversion Unit and was then issued to 61 Squadron when cleared by Avros.

Altogether, during this period of a year while 207 Squadron was at Langar, 32 of their pilots helped at various times to clear a total of 51 newly-repaired Lancasters from the Avro works, making a total of 129 test-flights altogether. Amongst these pilots were 'regulars' like Flt. Lt. Huntly-Wood (who became a Squadron Leader whilst still test-flying), Sgt. Baker, Warrant Officer King (who was promoted to Pilot Officer while still test-flying), Flying Officer Sambridge (to Flt. Lt.), Sgt Cosens (to Pilot Officer), Sqd. Ldr. Balme and Sqd. Ldr. Bamber. The promotions in rank illustrate how quickly the pilots were being lost on operations, and their replacements had to be moved up into their shoes all the time. In fact, during this year of Avro's output from Langar, of the 32 pilots who test-flew their Lancasters, no less than six of these perished while still based at Langar, including Sqd Ldr Huntly-Wood, who died on one of 207's last operations from Langar, a raid on Berlin on September 3<sup>rd</sup> 1943, with the Station Commander, Gp. Capt. Austin McKenna on board as Second Pilot that night.

#### **Permanent Avro test-pilot appointed**

When 207 Squadron moved out of Langar in November 1943, and across to Spilsby for the rest of the war, A V Roe & Co Ltd needed somebody to carry on test-flying the repaired Lancasters.

It was to satisfy this requirement that Sqd. Ldr. Peter Field-Richards was now posted to Avros, from the RAF's 41 Group Production Test-Pilots Emergency Pool. Peter had spent a lot of the war flying all the bombers taken onto RAF strength (USA types included) and helping to write up the Pilot's Flying Notes for all of them in turn. Thus, his experience now more than qualified him for test-flying the repaired Lancasters at Langar.

Avro's output of Lancasters now slowly increased from six a month when Peter first arrived in November 1943, to a peak of 14 monthly in June 1944, and after a bit of a dip, up again to 16 a month by March 1945. When the war in Europe ended in May 1945, Peter had cleared some 162 Lancasters in all (which, with 207 Squadron's 51 plus one Manchester, totalled 214 for the war months at Avro's Langar works).

Arthur Hubbard remembers three incidents to the Lancasters during his time at Langar. Two were identical - the 'Jury Strut' that was placed in the undercarriage when the Lancaster was parked in order to prevent it being inadvertently retracted, was left in on two occasions on take-off. The ground drill should have included the 'Jury Strut' being taken out and held up to show the pilot in the cockpit, before 'chocks away'. The first time it happened, a Rolls-Royce representative was on board together with Peter Field-Richards and the Flight Engineer. Once airborne, when Peter realised what was happening and feared that the undercarriage had jammed irrevocably, the control tower suggested they fly over the sea and bale out! Peter said that was no good, as they hadn't any parachutes on board! So they flew over Scampton to have the undercarriage checked by their tower and as it looked as though it was properly down, Peter went ahead and landed at Langar without incident, luckily. He did the same the second time it happened.

The third incident involved Peter becoming airborne in a Lancaster one day, and on turning slowly to port, when he came to level up and turn the opposite way, he found the ailerons had jammed! It turned out that some screws had been put into the wrong linkages - but Peter again managed to land safely. In fact during the whole time that Avro's Langar works was in existence, there were no flying accidents or crash-landings to any of the 1,185 aircraft repaired there in total - a superlative achievement! And Peter Field-Richards skill saved a number of these from occurring.

#### **First Flight Engineer**

George Arthur Norman joined Avros at Langar in 1943 and from January 1944 he became Peter Field-Richards permanent Flight Test Engineer, flying with Peter on most of his test flights over the next three and a quarter years. Arthur (as he liked to be called) had his first flight with Peter in Lancaster Mk. I R5625 on January 21<sup>st</sup> 1944 a veteran of many raids over Germany with 83 Squadron, which would have become a very 'high-time' aircraft had it not gone 'missing' in July 1944, after delivery from Langar to 622 Squadron.

Arthur remembered how Peter often brought his little bull-terrier to work with him, and on these occasions if there was any test-flying to do, would take the dog up in the



Sgt. Ldr Peter Field-Richards (right), talking to his  
Flt. Engineer, "Paddy" Armstrong.

Lincolns for  
Argentina.



Lancaster with him! The dog would sit obediently behind the Flight Engineer's position in eager anticipation of the roar of the four Merlins and the 'G' forces Peter used to impose on them all, when he beat-up the airfield on his return to Langar!

Arthur also recalled how Peter was a 'larger-than-life' figure, always full of fun and a real gentleman, who later in life acquired a taxi and drove this around, more as a hobby than a business.

Occasionally Arthur would go by car with Peter to an RAF airfield, when an Avro Outworking Party from Bracebridge Heath had repaired a Lancaster which needed a factory pilot to clear it for service again. On May 23<sup>rd</sup> 1944 for instance, they went to Waddington to clear the Lancaster Mk.I W4884 of 61 Squadron, and on June 3<sup>rd</sup> to Fiskerton to clear Lancaster Mk.III ME781 of 460 (Australian) Squadron.

#### Peacetime and site layout

At the end of WWII the activities conducted in each of the Avro Hangars (or 'Sheds') are noted below, against the legend to the site diagram drawn by Ken Allen:

Item on Diagram	Description of activity
1.	<b>Shed 1.</b> Cleaning, inspection of components, metal repairs and mods to wings, control surfaces and systems. Wheels and tyres, engine subframes, etc.
2.	<b>Shed 2.</b> Instrument section, Oxygen, Nitrogen, Blind Flying panels, Auto Pilot, Hydraulic and Pneumatic systems, etc.
1. & 2.	<b>Sheds 1 and 2.</b> Inspectors reports (from which replacement and u/s items are ordered and marshalled for assembly 'down the line').
3.	<b>Shed 3.</b> Inspection and rectification of Fuselages (completed here for transfer to Shed 5).
4.A	<b>Main Stores</b>
4.B	<b>Office Block.</b> Upper floor-Superintendents office, General Office, Accounts and Drawing Office. Lower floor - Chief Inspector's Office, Tool Stores, Time Office and Drawing Stores.
5.	<b>Shed 5.</b> Assembly of complete aircraft (fitting of wings, control surfaces, all systems, function of hydraulics). Internal fittings section (fitting of seating, soundproofing, installation and function of electrical equipment and wiring).
6.A	<b>Shed 6A.</b> As for Shed 5.
6.B	<b>Shed 6B.</b> Spray Bay. Complete preparation and respray of aircraft. Finishing of items (internal and external) part-sprayed down line. All exterior markings, roundels, safety warnings, taping of joints, cleaning of windows.
7.	<b>Shed 7.</b> Erected for large aircraft (Tudor, etc). Used mainly for work on complete aircraft, this shed could hold three Yorks or Lincoln's or a Vulcan plus one York. Long term contracts and or major inspections.

8. **Canteen**
9. **Boiler House**
10. **Site Maintenance**
11. **Tank shop.** (Aircraft tank repairs and testing. Fuel Oil, Methanol, Hydraulic tanks.)
12. **Underground fuel installation** and pump house.
13. **Security Gate House** (Main Entrance)
14. **Ambulance room**
15. **Aeronautical Inspection Dept** (AID) <sup>A 1</sup> ~~(MOD)~~
16. **Auxiliary Sections,** Battery stores, charging starter trolley maintenance.
17. **Original dispersal** hardstanding (later transferred to Flight Shed).
18. **Memorial** to No. 207 Squadron (recently dedicated).
19. **Flight Shed.** Dismantling and labelling of sections, piping and components for transfer to main factory.  
Preparation of aircraft for initial ground test of engines ie fuel filling, flow testing, calibration of fuel gauges, leak testing and correct function of fuel system.  
Installation of engines and airframe electrics, instruments and radio.  
Swinging and adjustment of compasses for test flight.  
Rectification of test flight 'Snags'.  
On completion, passed to Hangar 6B, for:-  
i. Final Inspection for 'Delivery'.  
ii. Submitting to AID for inspection and clearance for dispatch.
20. **Control tower** (under Avro control after WWII when the airfield was leased to them).
21. **Harby Hangar.** Rolls-Royce Outworking Party, engine inspections and modifications. Power plants stored and ready for line installation. Also used for strip down of aircraft on major work contracts.
22. **Compass swinging area.**
23. **Aircraft crossing.**
24. **Aircraft crossing.**
25. **Originally Avro VLR site.** Aircraft from service arriving by 'Queen Mary' road transport for long term repair and rebuild.  
(This section became a Staging Post Store for the RCAF, receiving stores from Canada by Argonaut, and shipping on to BAOR by Bristol Freighters.)

During the War, the labour force at Langar at its peak reached around 584 on day-shift and 250 on nightshift - or a total of some 834, not including those manning the stores there.

Unlike the workforce at Bracebridge Heath, however, where it declined steeply after the War was over, at Langar the amount of work remained fairly constant up to 1956. Although the numbers of aircraft then declined to some 20 Shackletons annually through the late 1950's and 60's, these large aircraft needed a great deal of work on them, and the



8 9 10 1

AVRO WORKS SITE  
(Not To Scale)

Ken Allen



2  
1

3 4A 5 6A  
4B 6B

Final Aircraft  
Erection

7

Large Aircraft

17  
OSBORN  
DAF 2564

FARMS

12

FLIGHT  
SQUAD

16 18

20  
CONTRACT  
TOWER

22

AVRO VLR  
20  
RAF SITE

AVRO & Co LTD  
REPAIR DEPOT  
LANGAR CUM -  
BARNHORN  
NORTHAMPTON

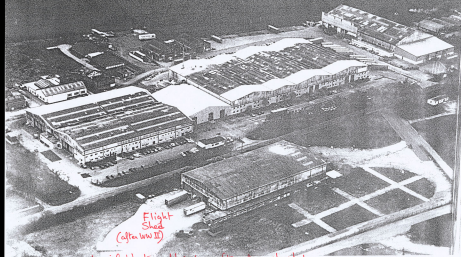
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WABBY

COTTAGE

WABBY  
20

AVRO  
Factory  
Units at  
RAF Langar  
(above road until end  
of WWII; and below as well  
after WWII).



Aerial photograph taken after Avro closed down.

labour force was held fairly constant at some third of the WWII level, right up to the closure in 1968.

The names of the principal heads of the various Departments at Langar just after WWII and later in the 60's are shown in ~~Appendix 1~~. Langar was completely controlled by Bracebridge Heath and the latter in turn reported to A V Roe's Chadderton works in Manchester. Ken Allen and Neil Cunningham have provided these names from memory. Ken joined Langar in 1947 after being demobbed from the RAF. He had spent the War firstly as an airframe and engine fitter in a Whitley bomber squadron, then trained to become an aircrew member and finished up as a Flight Lieutenant flying as a Flight Engineer on Halifax bombers from bases in North Yorkshire (Wing Cmdr, later Gp Capt Leonard Cheshire VC. OM. DSO and two Bars, DFC & Bar, was CO of one of the units he served in).

Ken served as a Senior Inspector at Langar between 1947 and 1961, and remembers the very stringent regulations in force in those days at Avros and the tight budgets each Dept worked under. If they needed even the most mundane of items - such as pencils and stationery - they had to be requested from Bracebridge (and in turn from Chadderton), and if they used up their allocation before the end of the month there was nothing else until the next month (even if they ran out of toilet paper!). By such tight budgeting did Roy Dobson, the Managing Director of Avros, ensure the company was always one of the most profitable in the business!

#### **Peacetime Contracts; total aircraft repaired**

The kind of contracts undertaken after the war at the Avro works at Langar are summarised by Ken Allen thus:

##### **1. Ministry of Aircraft Production/Ministry of Defence Contracts:**

Awarded annually (post Budget), covering all RAF aircraft on active service and periodic servicing and modification of aircraft held on 'Alert storage' at RAF & Civilian Maintenance Units. Aircraft flown in for servicing. Crashed and damaged aircraft sent in by road.

These RAF aircraft included all production Marks of Lancaster, York, Lancastrian, Lincoln, Meteor, Vulcan and Shackleton

##### **2. Civilian Contracts:**

State airlines, Skyways, etc for major inspection and Certificate of Airworthiness. Ex-Ministry aircraft were purchased by the company, re-registered by the Air-Registration Board, flown into Langar and re-built to the contract requirements of the customer authority. Sold to:-

**Argentina** - Lancastrians, Yorks, Lincolns (bombers), Lancasters (bombers), Lincolnian.

**Egypt** - Lancasters (bombers)

**France** - Lancasters (Maritime/Air Sea Rescue, with life-boat dropping facility, etc)  
(All aircraft exported as 'Civilian Aircraft'.)

# A.V. ROE, REPAIR ORGANIZATION

Manager  
Mr Charles Hutton

Under Manager  
Mr T C Langton

LANGAR

Works Superintendent  
Mr Robert Ingrid

HANGER 1 AND 2

HANGER 3

Mr Christopher Outway  
Senior Foreman

Mr Robert Brown  
Senior Foreman

ENGINES

HYDRAULICS

AIRFRAME

Mr Douglas Fletcher  
Foreman

Mr Harry Houghton  
Senior Foreman

Mr Victor Ramsdale  
Foreman

Mr Harold Walker  
Foreman

ELECTRICAL

MODIFICATIONS

FLIGHT

Mr William Brumby  
Foreman

Mr Ernest Mumby  
Foreman

Mr George Norman  
Foreman

PAINTSHOP

INTERNAL FITTINGS

WORKS INSPECTION

STORES

Mr Ernest Cook  
Foreman

Mr William Brewer  
Foreman

Mr Yarwood  
Chief Inspector

Mr Fred Spur  
Foreman



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*Modern day picture of old Avro hangars.*

**Note:**

'Servicing' is a very loose term and covers whatever requirements are laid down by MAP/MoD at the time of contracting. In wartime, contractors worked on a 'Costs Plus' basis. In the post-war years and when the RAF was on 'Standby', payments were based on Man Hours and hardware used, to fulfil the terms of the contract. As world tensions eased, contracts started to ease down and 'Planned Inspections' were introduced to both the RAF and civilian contractors.

'Planned Inspections' covered a long period in Langar's operation. Monies for this type of work were strictly controlled. After all trades had completed their inspection to a fixed check list and time table, the Aeronautical Inspection Dept, who were permanently staffed on site, reviewed the inspection results and gave the Ministry's approval for repairs and rectifications to be carried out. This could and did mean in the case of costly, over-budget repairs or replacements, the aircraft could be scrapped.

The individual totals of each type of aircraft repaired at Langar are shown in Appendix 2, and these show that after the 320 Avro Lancasters in all, next in descending numerical order came 284 Gloster Meteors of all Marks, 236 Avro Lincolns, and 230 Avro Shackletons. Of course, some aircraft re-appeared at Langar several times, for different modifications (or 'Phase' refits). The annual output of aircraft types at Langar between 1942 and 1968 is shown in Appendix 3 in detail.

**Getting to work**

Ernest Dolby joined Avros at the end of the War, when he was demobbed in 1945. He was an engine fitter and had spent 3½ years in the Middle East with an RAF Transport Squadron before the war, then the war years in the UK with bomber squadrons.

He lived in Melton Mowbray and had to use a motor cycle to get to work at Langar - a distance of some 16 miles from home. The winter of 1947/8 was a terribly cold one and the roads were so badly frozen over between January and April, he remembers he had to use the local buses that ran past Langar from all the major surrounding towns (to bring the workers not just to Avros, but the aerodrome in general). In fact many of Avro's workers began to use motor cycles, bicycles and small cars, to get to Langar after the War finished, and the narrow country roads past the airfield began to get quite crowded at clocking-on and clocking-off times. As the years went by, there were a number of nasty traffic accidents outside the works, and a few fatalities too.

The road outside the works had to be blocked off whenever an aircraft from the Avro Hangars was being towed - or taxied to their dispersal 'pan', to let the aircraft across from the factory side, to the aerodrome (or vice versa).

#### Avro York transports

These aircraft were from RAF Transport Command or Civil Airlines, and included VIP Specials, Troop carriers and freighters off the Berlin Airlift. Work done included major engine and airframe inspections, rebuilds and conversions to VIP aircraft. (Some Yorks were used by the RAF VIP and the King's Flights, and by Commonwealth Governor-Generals etc.) Most conversions were done at Langar.

The first Yorks did not arrive until after the war was over, and MW111 was repaired as a 'Cat A(c)' case, and delivered from Langar again on July 25<sup>th</sup> 1945. It was followed by MW110 and 120, and then the Prime Minister (Sir Winston Churchill's) LV633 'Ascalon', and MW101 (all 'Cat B' cases) before the end of the year.

After this, there was a steady trickle of Yorks through Langar up to the beginning of 1951, when it finally ran out, with the exception of two 'special' Yorks. (MW132 and 179) that were modified by Langar in March-April 1953 and fitted with 'Parachute Pylons' for testing at Abingdon and Boscombe Down.

The annual number of Yorks repaired at Langar was as follows:-

1945 -	6
1946 -	15
1847 -	13
1948 -	22
1949 -	24
1950 -	17
1951 -	3
1953 -	<u>2</u>
<b>Total</b>	<u><u>102</u></u>

The higher annual totals in 1948 and 1949 were for Yorks off the Berlin Airlift operations, at the conclusion of the world's greatest-ever air supply operation.

#### Avro Lincoln bombers

The Lincoln bomber was a development of the famous Lancaster and built to a specification with more powerful Rolls-Royce Merlin 68a engines, semi automatic fuel system, greater payload and range. The Lincoln came into service too late for the European War, but went into RAF service in the UK and overseas. It also became the main standby aircraft of the RAF and remained in storage readiness for several years until the 'V' bomber was established. The Handley Page Halifax Mk. III was also manufactured to the same specification. During this period Avro Langar had contracts for the repair and periodic servicing of many Lincolns.

The Lincolns started to arrive at Langar for repair at the end of 1945 and the first, a B.Mk 2, RE404, of a final total of 236 was cleared by Avros for delivery back to RAF Marham in February 1946. After this they arrived in a steady trickle for modifications to be made

and later on, for those that had been in storage since the War to be refurbished and prepared for storage again at Maintenance Units. Special storage oils and lubricants were applied and most of the instruments taken out and stored separately.

Lincoln RE364 was 'cleared' out of Langar on February 20 1947, named '*Aries II*' to be used by the Empire Air Navigation School at Shawbury in place of their older *Aries I* (a Lancaster Mk II). Like *Aries I* the Lincoln had been fitted with a streamlined Lancastrian nose and tail and much special radio/radar equipment.

Another Lincoln B.Mk 2, RE414 was also given special equipment for use by the Empire Radio School, and called *Mercury II* (to replace *Mercury I*, a Halifax Mk VI).

#### **Argentine Lincolns**

Then came the renovation of ex-RAF Lincolns at Langar for the Argentine Air Force. A total of 12 B.Mk 2s were prepared at Langar, numbered B-001 to B-012. B-001 was ready to hand over on September 17<sup>th</sup> 1947 and the last of the dozen (B-003) was handed over on February 24<sup>th</sup> 1949.

This was because the AAF decided to have B-003 (which had been cleared for acceptance at Langar on May 19<sup>th</sup> 1948 by Peter Field-Richards) converted to a 'very-long-range' version for trans-South Polar flying. Thus it went back into the works for fitting extra fuel tanks (to take a total of 5,010 gallons) and Peter cleared it again on July 16<sup>th</sup> 1948. Then it was also decided to fit a good deal of extra radio equipment and it was finally handed over in February 1949 to the AAF.

Later, B-003 was returned to Langar in 1953 to be fitted with streamlined nose and tail cones. It was delivered back to the AAF again on May 2<sup>nd</sup> 1953 as LV-ZEL.

Thus, this Lincoln, B-003, became the first true 'Lincolnian' to be sold.

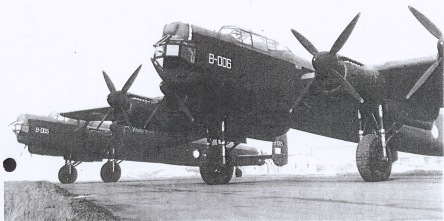
#### **More special Lincolns**

A great deal of crew training was involved during the intervening months at Langar, some of the Argentine Lincolns being kept back for this purpose. Lincolns continued to arrive from the RAF and storage at MUs, up to the end of 1957. Following the Argentine Air Force contract, another order arrived from Paraguay for the conversion of 3 Lincolns into meat-carrying freighters to ply between Paraguay and Peru and Chile, over the Andes mountain chain.

Neil Cunnington remembers some of these contracts.

*"I started my apprenticeship with A V Roe in late 1954 and worked on Lincolns, Meteors, Shackletons and Vulcans. I also worked at Bracebridge Heath, RAF Waddington, Scampton and Finningley on Vulcans. I then went back to Langar and finished my apprenticeship as a Millwright in the maintenance department. After that I worked on maintenance, becoming the Works Engineer, until closure in 1968.*





*Lincolns for Argentina.*



When I started at Langar the Lincolns were being disarmed and a few prepared to be used on air-to-ground missile ranges in Australia. They were parked on the dispersal points round the airfield ready for collection, but the contract was cancelled and they remained parked for some considerable time before being scrapped. I can remember twenty or more of these Lincolns parked round the airfield and having to be turned according to the wind direction. Three of these were bought in 1956/57 by a South American air charter firm that was awarded a contract by the Peruvian government to fly 84 tons of fresh meat a week from Asuncion, Paraguay to Lima in Peru, a distance of 1350 miles over mountainous central South America, because of a shortage of meat in Peru (whose people were unwilling to accept frozen meat). Field Aircraft at Tollerton was awarded the contract to convert these three Lincolns to meat freighters, therefore it was necessary to fly them from Langar to Tollerton, approximately five miles. As these aircraft had been static and open to the elements for so long, their condition was questionable. Fortunately the engines were found to be in good condition due to being inhibited. Eventually an air-worthy certificate was granted only for that distance and they were flown to Tollerton by Cliff Rogers and Cliff Holehouse, Rolls-Royce Hucknall test pilots, and Freddie Cook, Field's test pilot, and they were paid £5 each! These three aircraft were locally called 'Faith, Hope and Charity'. The number of the first aircraft to be converted was RE376. It had been flown by 61,617,57 and 100 Squadrons and the cost of the conversion was £12,000. A V Roe would not grant a Stress certificate for this aircraft and the other two were never converted. Eventually, on the 14<sup>th</sup> September 1959 these aircraft were sold for scrap to International Alloys of Aylesbury, the scrap value being £1,950 for the unconverted aircraft, and £1,025 for the converted."

Another small batch of Lincolns was to be sent to Langar for a very secret conversion - to unmanned flight, controlled by radio (for use at Woomera). A test Lincoln had already been converted by Flight Refuelling Ltd, but had run into difficulties. Avros at Langar had to fit special pods to the wing-tips, encasing cameras and recording devices, but it was found that the flexing of the wingtips in flight upset the telemetry and Langar was told to cancel the project after some work had been carried out on RF395 and RE366.

Ken Allen remembers:

*"This was a very 'hush hush' contract. I was allocated to the project and can recall being summoned to the Chief Inspector's office, where the three inspectors (engine, airframe and electrical) were read the 'Riot Act' on strict secrecy, and no person not involved with the project was to be allowed to look at the drawings."*

The annual number of Lincolns repaired at Langar after the war totalled:

1946 -	56
1947 -	24
1948 -	34
1949 -	13

1950 -	9	
1951 -	42	(Korean War preparation)
1952 -	28	
1953 -	18	(including 1 Lincolnian)
1954 -	6	
1955 -	3	
1956 -	2	
1957 -	<u>1</u>	
<b>Total</b>	<u>236</u>	

### Argentine Lancasters

Argentina had already taken delivery of 5 Yorks and 3 Lancastrians [three of these Yorks and one Lancastrian were reconditioned at Waddington/Bracebridge Heath. Langar refurbished the other two Lancastrians and the two remaining Yorks were overhauled at Woodford]. Argentina also now bought the 12 ex-RAF Lincolns from Langar (plus a further 18 newly-built- ones by Sir W G Armstrong Whitworth Aircraft). But this was not the end of its orders - a total of 15 ex-RAF Lancasters were now ordered and Langar was to refurbish them. They were numbered B-031 to B-045 following on from the Lincolns (numbered B-001 to B-030).

Now all these Lancasters were Mk Is and had been standing outside in open storage at RAF MUs since the end of WWII, so picking out the best preserved ones was tricky. One particular Argentine Air Force officer was designated to make a check, one day, on the external and internal condition of the Lancasters before overhaul began at Langar, and Ken Allen (a Senior Inspector) and Phil Lightfoot (the overall Works Superintendent) took him over to the latest Lancaster to arrive there. They removed the engine cowlings and were horrified at the dirt and oil over the Rolls-Royce Merlins.

The Argentine officer refused to accept the Lancaster and became a little over-excited exclaiming: "*These aircraft must be NEW ones - not dirty old ones ...!*"

Ken looked at Phil who put on his best gruff Yorkshire man act, rubbed his chin slowly and eventually said: "*Leave it to me, Lad - we'll sort it out!*"

Out of earshot of the Argentine officer, Phil whispered urgently to Ken: "*What do you suggest ...?*" and Ken said he'd have a go at cleaning one Merlin up - if he could get a tin of black gloss paint, a tin of silver dope, masking tape and lots of brown paper. He got what he wanted, worked all day and by evening had cleaned and resprayed the R-R engine completely.

Phil was so impressed that he told Ken to borrow some more Inspectors and do the other three. A few days later the Argentine Air Force man was invited back to see: "*Ze four NEW engines*" and was duly impressed, authorising the complete Lancaster to be refurbished there. (He never did know the real truth!)

The first of these 15 Lancasters (B-031) was delivered from Langar on May 11<sup>th</sup> 1948 and the last one (B-041) was delivered on January 4<sup>th</sup> 1949.

#### French and other Lancasters

Following this, Langar refitted another Lancaster Mk I for the Swedish Air Force (80001) which was delivered to AST at Hamble on June 22<sup>nd</sup> 1950, to be fitted out for testing a single Swedish jet engine under its bomb bay. Then came nine Lancasters for the Egyptian Air Force (1801-1809) and a contract for 54 Lancasters for the French Aéronavale Squadrons, 16 of which were refitted at Langar and the balance at Woodford. The last Egyptian Lancaster was delivered on November 20<sup>th</sup> 1950, and the first and last of the French Aéronavale Lancasters on March 12<sup>th</sup>, and October 28<sup>th</sup> 1952, respectively.

A further five Lancaster MkVIIIs were then supplied to the French Air Force (FCL-01 to -05), the last leaving Langar on April 30<sup>th</sup> 1954, and the next Lancaster, RF322 for the RAF's School of Maritime Reconnaissance, was the last of all the 320 Lancasters to be overhauled at Langar in the 12 year period 1942-1954.

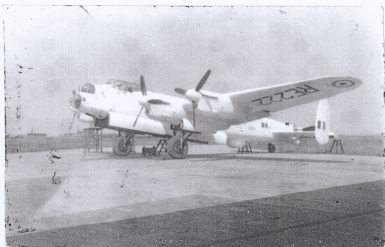
The Lancaster totals refitted at Langar per annum were:

1942 -	4
1943 -	48
1944 -	89
1945 -	99
1946 -	12
1947 -	-
1948 -	14
1949 -	14
1950 -	11
1951 -	2
1952 -	16
1953 -	4
1954 -	<u>7</u>
<b>Total</b>	<b><u>320</u></b>

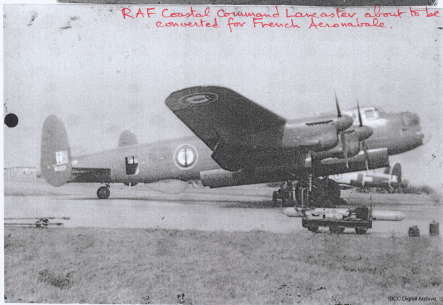
One additional Lancaster to the above was supplied to the French Aéronavale for ground training for the crews who were to maintain the 54 Lancasters for their Western Union contract.

Ken Allen remembers being asked at short notice to go to Cosford, where Avros had purchased a Lancaster being stored there but about to be scrapped (believed to be NX743). Ken was told to inspect the aircraft and make a 'Shortage List' of all the items necessary to enable the Lancaster to make one last flight direct to France. This was quite a task, as all kinds of items had <sup>already</sup> been carefully removed from the Lancaster to enable <sup>maintain</sup> people to complete their DIY tasks at home (eg cables - to repair motor-cycle brakes, etc!).

*and clandestinely*



RAF Coastal Command Lancaster about to be converted for French Aeronavale.



Lancaster converted for French Aeronavale use.

When the items had been restored to the Lancaster (temporarily registered F-YBCA), Ken crewed it as Flight Engineer with Peter Field-Richards, and saw everyone at Cosford turn out to line the runway on June 6<sup>th</sup> 1951 - quite convinced the Lancaster would never leave the ground! However, it did, but they only flew it to Langar, where it was renovated but afterwards sent by ground transport to France!

Ken remembers one other unique flight in a Lancaster. This was on July 17<sup>th</sup> 1951, when he went with Peter Field-Richards to the MU at Llandow in South Wales, to fly TW655 into Hendon for the special *Daily Express* '50 years of Flight' exhibition and display that year. Hendon only had a short runway and after being invited to send in a Lancaster for the 7-day event Avros was suddenly told at the last minute that permission for the Lancaster had been withdrawn for safety reasons. There was a last minute flurry of telephone calls between Sir Roy Dobson of Avros, the Air Ministry, even Government departments - then it was 'on' again, and Peter and Ken flew it in. Ken remembers handing some charts to Peter during the flight - but Peter just flung them over his shoulder, saying "I don't need them - I know every aerodrome in this country by heart . . .!" Ken looked down as they flew over London, descending over the buildings of Harrow School, then as they crossed over the roof of the last hut on the edge of Hendon, Peter told him to 'cut' the throttles and they actually stopped before the intersection of the runways.

At the end of the week, Peter flew TW655 out again on July 24<sup>th</sup>, straight to Langar where it became WU-17 eventually for the French Aéronavale contract.

#### **Flight Engineer from the 'Dambusters'**

When Arthur Norman retired from being Peter Field-Richard's Flight Test Engineer in 1946, a certain Edward Wilson Armstrong - recently demobbed from the RAF as a Warrant Officer Flight Engineer in 617 (The Dambusters) Squadron - promptly applied for and was given the job as his successor.

'Paddy' - so called because his family came from Donaghadee in Northern Ireland - had joined the RAF in 1940 on his 18<sup>th</sup> birthday, after serving as an apprentice at Shorts in Belfast. He eventually qualified as a Flight Engineer and completed a tour of 30 operations with 90 Squadron on Short Stirlings. Then, after the customary rest from operations as an instructor in 1661 Conversion Unit, he managed (after a great deal of trying) to get posted back on 'ops', this time as a Warrant Officer in the famous 617 Squadron at Woodhall Spa.

Paddy flew another 14 operations with 617 up to the end of the War in Europe, and stayed with the squadron until December 20<sup>th</sup> 1945. His job with Avros at Langar began on August 14<sup>th</sup> 1946 and he remained there until June 1<sup>st</sup> 1968, - three months before the works finally closed down.

He flew as Peter Field-Richards 'crew' (there were normally only the two of them

concerned with test-flying the aircraft at Langar) from September 5<sup>th</sup> 1946 up to Peter's retirement from flying on August 11<sup>th</sup> 1954, and continued to act as Flight Test Engineer for the Avro pilots from Woodford after that - notably Sqd Ldr Jack Wales. After Wales was killed in the first production Shackleton MR3 in December 1956, Paddy handed over most of the flying to his assistant in Flight Testing, Roy Browne. But Paddy went on flying when necessary - if Roy was ill, or on holiday, etc and Paddy's last test flight at Langar was actually on November 26<sup>th</sup> 1965, with Peter Varley in the Shackleton MR2, WR960.

Between leaving the RAF and joining Avros, Paddy had first gone along to Trent Bridge Power Station for an engineer's job. But he could not stand heights and was turned down for the job. Then he had tried a local coal mine, seeking to become one of the new 'Bevan Boys'. He went for this interview in his best suit and collar and tie, and this was probably not very conducive to getting a job down the pits!

He was turned away from this, too and so he had ended up as a Junior Foreman in the Langar Flight Test Department, with a flying job again.

Paddy had a lot of happy hours flying in his beloved Lancasters at Langar - and he was particularly commended by Sir Roy Dobson - Avro's Managing Director - for his work in training the Argentine flight crews (including their pilots). Sir Roy awarded Paddy an ex gratia payment of £25!

#### **A number of incidents**

The flights Paddy made were not without incident but Peter Field-Richards was such a superlative pilot that they all ended favourably. Thus, on November 19<sup>th</sup> 1946 Paddy was in the York ME 300 on a local test-flight when Peter discovered suddenly that their aileron controls had jammed solid. With great expertise, Peter managed to fly slowly across to Waddington, and by dint of some very precise flying with rudder and engine controls alone they landed safely on the long runway there. The York stayed there for six days while the controls were checked and the fault rectified, then they flew it back to Langar and one engine failed on take-off!

On July 5<sup>th</sup> 1948, while heavily engaged in training the Argentine crews on their Lancasters, Paddy was flying with Peter in the Lancaster B-040 when a hydraulic pipe burst in the cockpit. Both of them and the entire cockpit, were covered in oil, and again they had to make an emergency landing at Waddington - "*well oiled* . . ." as Paddy said! In fact it took no less than 10 test-flights on B-040 to clear it for the Argentine crew.

On May 13<sup>th</sup> 1949, Paddy went up with Peter in the Lincoln test-bed for the new Bristol Theseus engines, RE418. (This was the second such Lincoln and was to be used by RAF Transport Command shortly on regular runs between Lyneham and the Middle East.) But on this test flight they couldn't lower the undercarriage on returning to Langar. Paddy used the emergency compressed air and the control tower told them the wheels seemed to be locked down, when they flew very low, over it. The flaps didn't work, however, and



*The Lancasterian conversion "Aries II"  
for the RAF.*





so Peter made a low, flapless approach and landing on the long North/South runway, fortunately without incident.

By 1951, a lot of Lincoln B.2s had been delivered to Langar for various inspections/modifications/updates/overhauls to be carried out, and a not inconsiderable number were parked around the airfield on various dispersal areas. On April 10<sup>th</sup>, Paddy helped Peter conduct what must have been rather risky 10-minute test-flights on a pair of these that had already become 'time-expired'. These were RF532 and RE294 and immediately after, they were flown away to MUs at Hullavington and Kemble respectively.

Paddy also helped fly the Lancaster F-YBCA from Cosford to Langar on June 6<sup>th</sup> 1951 - the one-time trip (again on a time-expired aircraft) to have the Lancaster made into a ground instruction machine at Langar for the French Aéronavale.

On July 19<sup>th</sup> 1954, Paddy flew as a 'passenger' with Peter Field-Richards on the latter's one and only test flight in a Meteor T.7, and after Peter retired that August, Paddy accompanied Sqd Ldr Jack Wales as an 'observer' on several further flights in Meteor T.7s.

The Shackletons had started to appear now and Paddy found himself flying at Langar with Jack Wales until the latter was tragically killed when the first Shackleton MR3 crashed in Derbyshire in December 1956. Johnny Baker then took over Shackleton, Meteor and Lincoln tests at Langar and he was succeeded by the New Zealand wartime fighter pilot 'Ossie' Hawkins in 1958, when Johnny left Woodford for Australia.

Paddy had handed over most of his test-flying duties at Langar to Roy Browne from January 1957 but he did fly quite regularly after that - on all the different models of Shackleton. The other Woodford pilots he flew with included Tony Blackman, Dickie Martin and finally Peter Varley.

After Avro Langar closed down in 1968, Paddy found a job at Schiphol Airport at Amsterdam for a time, then managed to find a position with Rolls-Royce back at Hucknall, Derby. By now he had a large family - seven sons (the last two being twins) and one daughter - and the R-R job gave him the chance to keep them all together in Nottingham. Later, he took a contract with BAC (later BAe) to live in Saudi Arabia for 7-8 years working on the English Electric Lightning project with the Saudi Air Force, and his wife and family (such as were still at home) moved out there for the last 4½ years.

When Paddy finally retired, he did so back to Rivergreen near Nottingham and to keep busy at something, he even opened a 'take-away' sandwich bar at Hockley! When he finally passed away in 1995, Paddy's wish was to be cremated and his ashes scattered over Langar airfield. Not only was his wish carried out by the BN Islander aircraft at the Sky-Diving Club there, but when the ashes had been scattered, the Battle of Britain Flight

DATE 1956

FLIGHTSHED

LINCOLNS



← BILL WILLIAMS

← HERBERT  
CHADDERTON

← METEOR  
FUEL TANKS

SHED 3

TANK SHOP

SHED 1

← DON HERROD

MAY LEVERLAN

← LEN NEEDHAM  
FORMAN

TANK SHOP  
NOSE WHEEL SECTION

← T.I. MK I SHACKLETON  
CONVERSION TO  
MK 4 FLYING CLASSROOM

← METEOR  
NOSE WHEELS

SHED 5 P.I. SECTION

Persons in pictures overleaf:



Langley scenes.

flew across the airfield, the Lancaster flanked by the Spitfire and Hurricane - a fitting tribute to one of Avro's greatest.

### The Meteor Contracts

With the end of major servicing on Avro Yorks not long after the Berlin Airlift ceased in 1949, and the rundown in refurbishing Lincolns once the Korean War began to subside at the start of the 1950s, it was obvious to the Hawker Siddeley Aviation management that some urgent contracts were needed to sustain Langar in business. Thus, it was decided to send Meteor night-fighters direct to Langar from Armstrong Whitworth at Coventry for final fitment of various items in the radio and radar field.

The first Meteor NF.14 to be produced at Baginton (WS722) had its first flight there on October 23<sup>rd</sup> 1953. 'Bill' Else initialled it, flying it across to Bitteswell aerodrome, where all Armstrong Whitworth's test-flying operations had been re-located since October 5<sup>th</sup>. Then another pilot flew it across to Langar for fitment of the necessary equipment, and on November 19<sup>th</sup> it was rolled out again and given its clearance flight back to Bitteswell.

Meanwhile one of the last of the batches of Meteor NF.12s (WS718) was also sent to Langar for equipment to be installed, and this was cleared back to Bitteswell eight days later, on November 27<sup>th</sup> 1953. Armstrong Whitworth approved the Langar installations, and after this, the first batch (39) of Meteor NF.14s and the initial aircraft of the second batch all went through Langar in quick succession - a total of 40 NF.14s altogether. Interspersed with these came a total of 99 of the 100 Meteor NF.12s produced (the exception being WS635).

As these Meteors were test-flown and cleared at Langar, the NF.14s were mostly delivered to 15 MU at Wroughton, and the NF.12s to 8MU at Little Rissington or 38 MU at Llandow.

Further contracts now followed for refurbishing Meteor F.8s (the RAF's latest fighter version) straight from RAF Auxiliary Squadrons. Eventually 58 F.8s were treated at Langar and re-delivered to RAF bases.

The Meteor T.7 trainer version was also refurbished at Langar, where 85 were treated in the same way as the F.8s, and the whole of the Meteor programme finished with two FR.9s also being overhauled.

Ken Allen remembers:

*"All Meteors came to Langar from RAF Squadrons when their engine and airframe hours expired, for major inspection, repairs and modifications and updating any outstanding tech instructions. Meteors were stripped of their matt paint and given a High Gloss finish and new markings. This was a new technique for Avro's spray shop, as all bomber aircraft were matt finished. However, several squadron commanders later*

wrote, saying they were impressed by the increase in top speed achieved with this new finish!"

Altogether between November 1953 and January 1957 Langar received a total of 284 Meteors to refit, which helped keep their employment intact before the next - and last - major contract arrived, overhauling the Avro Shackleton fleet.

Peter Field-Richards retired from test-flying at Langar in July 1955, at the height of the Meteor programme and a few months after the first Shackleton - a Mk 1A, WB826 - was given some modifications after suffering a wheels-up landing at a Conversion Unit and cleared at Langar on February 16<sup>th</sup>.

From here on, Avro test-pilots based at Woodford would drive or fly down to Langar to clear each Shackleton or Vulcan as it became ready for test-flying again, after its repair/modification/servicing work was complete.

The Meteors were all test-flown by Avro or Armstrong Whitworth pilots (Sqd Ldr Jack Wales alone flying some 129).

#### **Avro Shackleton T4 Trainers**

The first few Shackletons appeared at Langar for regular servicing or modifying up to current manufacturer's standards - usually after a major incident at the Squadron rendered repairs imperative. Thus, after WB826 (see above) came a string of MR2s from Squadrons - WL785, WL796, WL798, etc - with the first production Shackleton MR1, VP254, to have IFF Mk10 and SARAH fitted at Langar early in 1956, prior to flight trials at Boscombe Down in May 1956. Another early Shackleton, VP258, also appeared at Langar at the end of 1956 for the trial installation of the new ASV Mk21 *Blue Silk* search radar.

Then they came in 'thick and fast' to Langar. WB819, an MR1A was cleared at Langar on June 13<sup>th</sup> 1957 after being converted there to a T4 standard. The T4 was a Trainer version, replacing the Lancasters equipping the School of Maritime Reconnaissance. After VP258 was converted at Woodford to be the prototype of this new version, a total of 10 MR1 or 1A aircraft were sent to Langar for the refit. This involved removing the dorsal turret and rest bunks and installing ASV Mk13 training equipment, and extra Sonobouy Mk1 equipment, for instructors and pupils to sit side by side, as well as the necessary additional power pack.

These 10 Shackleton MRIs or IAs were converted at Langar and delivered back to units between May 27<sup>th</sup> 1957 and March 17<sup>th</sup> 1958 (see Appendix No ....). Later, a further six Shackleton IAs were sent to Langar and converted and delivered back between September 7<sup>th</sup> and December 28<sup>th</sup> 1961.

#### **The last Flight Engineer**

Now that Langar's resident Flight Test Engineer Paddy Armstrong had retired from flying, he left the test-flying at Langar to his successor Roy Browne. Roy had joined Avros at Langar in 1946 and when Paddy signed the front of Roy's new log book: "*Happy Landings. E W Armstrong. 14<sup>th</sup> January 1957*", he turned over the test-flying engineer's job to him until Langar finally closed in 1968.

Roy henceforward made almost all the test-flights on Avro's aircraft at Langar, with whichever pilot flew down from Woodford for the purpose. But in addition, he also made many test-flights on Shackletons and Vulcans from Bitteswell (which gradually took over the tasks of the Langar works), ~~Hawarden (the old De Havilland which gradually took over the tasks of the Langar works)~~, Hawarden (the old De Havilland works at Chester), and even Woodford (Avro's home base), as well as accompanying Woodford crews on tests at Boscombe Down, etc. In all Roy notched up 1,209 hours 35 minutes test-flying with Avros - a very respectable total and one that put him in the forefront of Shackleton testing for A V Roe & Co Ltd.

When Roy finished at Langar, he was great friends with Bill Else, Dickie Martin and Peter Varley (the ex-Armstrong Whitworth and Gloster aircraft test-pilots taken on by Woodford after their own companies closed down) and he left Avros to join Court Line Aviation when they did too, starting another career in civil aviation.

Roy lived at Harby when he worked at Langar and knew Peter Field-Richards very well - though not flying with him officially before he retired. Peter was then "Mine Host" of the *Nags Head and Star* in Harby. But Roy knew enough of Peter to call him "*One hell of a pilot*".

In his early days of test-flying at Langar, Roy went up to Woodford one day to the Flight Test Dept there, while the Chief Test-Pilot (Jimmy Harrison) was away somewhere. Jimmy - Roy notes - had a 'beautiful secretary' and Roy was holding the post for her temporarily in her office when the 'phone rang. Roy decided to be a little flippant with his answer and as he lifted the receiver he said "*Hallo. It's the Kremlin here ...!*"

The resultant response at the other end indicated the caller was certainly not amused ... it was Jimmy Harrison himself!

Roy remembers two occasions involving slow rolls during test-flying at Langar. On one occasion Langar had just installed new, more powerful Bristol Olympus engines in a Vulcan. Tony Blackman came down to test-fly it when it was ready, and just after take off was so impressed by the increase in thrust that he promptly barrel-rolled it while still climbing out in sight of all the workers and other spectators!

The other occasion could have been more dangerous - it had claimed the life of Jack Wales and his crew in the prototype Shackleton MR3 in December 1956. On this flight from Langar, Roy was flying with Ossie Hawkins in a Shackleton and they were making stall turns at 4-5,000 ft or so. Roy was not strapped in the Flt. Engineer's seat and the

stall turns were getting tighter. Suddenly the Shackleton dropped a wing and went into a vicious roll onto its back. Roy flew between the two pilots seats, and Ossie somehow got the aircraft out of the roll by completing it down at 1,000 ft! That was a close shave.

#### **Phase I and II modifications to Avro Shackletons**

After the T4 refits, came the 'Phase I' conversions to Shackleton MR2s, and then Phase II conversions to MR2s, MR3s and T4s.

The Shackletons concerned in these refits at Langar can be seen in Appendix . . . (showing the dates of delivery back to their units after clearance at Langar). A Summary Table in Appendix . . . is also shown.

Basically, the Phase I refit at Langar (1958-60) on MR2s consisted of fitting:

- ASV Mk21 radar
- *Blue Silk* doppler
- A Tactical Table

Soon after the programme had started at Langar (Woodford, and Avro Outworking Parties at 49 MU were also involved), the MR2s had been grounded on June 19, 1959 due to fatigue in the centre section wing spars being discovered. Thus, additional modifications were then added to the Phase I refits, as parts of a crash programme on MR2s.

Phase II refits at Langar (1961-3) to both MR2s and MR3s involved new radio and radar equipment:

- Sonobuoy Mk1C (replacing Mk1)
- *Violet Picture* UHF (replacing *Green Salad* VHF)
- New Intercom system
- UHF/RT
- Tacan
- Sonobuoy Homer
- *Orange Harvest* ECM
- Improved Radio Compass (with recessed aerial behind cockpit roof and 'sensing' aerial on starboard bomb - door.
- HF Radio aerial support posts moved back in front of ECM Plinth
- Long MR3 Type engine tail-pipe exhausts
- Bomb carriage modifications to allow carriage of 2xMk30, and 3 x Mk36 or Mk44 Homing Torpedoes.

#### **Phase III, Viper and T2 modifications to Shackletons**

The Phase III modifications made later in 1964-5 (to MR3s), and in 1965-7 (to MR2s), involved fitting:

- Strengthened spars and re-skinned wings
- Increased fuel capacity
- Redesigned Heater system
- New navigation and compass systems
- Revised Tactical Station
- Four tube flare discharger
- New toilet/washing facilities
- Thicker soundproofing
- Rewiring to carry Mk10 *Lulu* Nuclear depth bombs)
- R-R Griffon 58 engines (with strengthened gear boxes for higher electrical generation outputs), larger generators and inverters.
- Stronger undercarriage
- Positions to carry 11 passengers (or troops) in addition to crew of 10.

Once the Shackleton MR2s had been converted to Phase III standard, they were known as the MR2A version.

The MR3s had not seen the last of Langan with the Phase III additions, as it was decided to fit most MR3s with Bristol Siddeley Viper Mk11 gas turbines in the rear of the outer engine nacelles, to boost the max weight take off performance at 105,000 lbs. This was called the 'Viper Fit' and carried out at Langan and Woodford.

The last version seen at Langan was the T2 Trainer. This was the MR2A given two ASV trainee positions (in place of the rest bunks), extra consoles and an instructor (Navigator) position.

Altogether, Langan handled a total of:

15	T4 conversions from Shackleton MR1As
2	T4 conversions to Phase II standard
38	Phase I conversions of Shackleton MR2s
36	Phase II conversions of Shackleton MR2s
30	Phase III conversions of Shackleton MR2s
10	T2 conversions of Shackleton MR2As
11	Phase II conversions of Shackleton MR3s
20	Phase III conversions of Shackleton MR3s
19	Viper fits to Shackleton MR3s
<u>181</u>	<b>Total</b>

All this amounted to a vast number of man-hours worked at Langan on the Shackleton aircraft, the only major version not dealt with there being the last one - the AEW2 version that was carried out at Bitteswell in the 1972-3 period after Langan had closed.

In fact, Langan closed down because it was decided within the Hawker Siddeley Aviation Group that Bitteswell (originally an Armstrong Whitworth company airfield near



Coventry) was more suited to taking the Vulcan aircraft for refits, as it had better runways, engine test facilities and general Hangar accommodation. It was all part of the inevitable rationalisation process still afflicting British Aviation even today.

#### **The Foreman's mistake**

Neil Cunningham worked on the aircraft at Langar in the 1950s, then with Outworking Parties at Scampton, Waddington and Finningley on Vulcans, before returning to Langar to work on the factory maintenance side up to its closure in 1968. He remembers several amusing incidents, ~~the first~~ <sup>one</sup> being the arrival at Langar of the first Avro Vulcan to be sent there for an upgraded engine fitment.

The Vulcan (VX770, the first prototype) flew around the works and airfield several times, to the delight of the watching workers, and then made its approach and landing, streaming its braking parachute in the process, and then leaving it on the runway. As it taxied in to the Hangar, one of the senior foremen watching it remarked to all and sundry: *"I'll go out on my bike and bring in the parachute!"*

He duly cycled out, and a long time later returned very red-faced. He hadn't appreciated the fact that the Vulcan's tail-chute weighs some two tons, with its massive nylon cords, etc! It was quite impossible for him to lift it, let alone tow it on his bike!

#### **The 'Jonah'**

Neil also remembers a particular Shackleton MR3 - or 'Jonah' as they referred to it at Langar (for all its constant problems). This MR3, WR971, first appeared at Langar to have a very large aerial fitted to its fuselage top, as a Trial Installation of some special radio equipment. While it was on test later, it returned to Langar after one flight, minus its aerial - which was later found in a field in the Vale of Belvoir!

On another occasion it was in the large Hangar No 7 at Langar, for some work to be done on it. Now in the centre of the floor, there was a large 10ft deep access pit for the Shackleton MR2s to be able to extend their telescopic ventral radomes for checking the mechanism, etc. The pit was covered with heavy baulks of timber to withstand the weight of the nose-wheels, but on this occasion, someone managed to manoeuvre 'Jonah' so that one of its main gear passed over the pit. The timber collapsed, the main gear disappeared into the well and the wing and engines dropped right onto the top of all the workmen's benches. Luckily, it was the lunch break, and so no one was killed or injured!

Finally, 'Jonah' was the Shackleton in which Harry Fisher and Roy Browne were to have the undercarriage collapse on take-off, on February 7<sup>th</sup> 1967. Neil Cunningham remembers just going home past the Harby end of the runway, and watching it preparing to take-off, when the starboard undercarriage gracefully folded up and the next minute, chunks of concrete were flying past Neil's head as the propellers struck the runway and bent backwards like split banana skins.

#### **The Hangar 7 fire**

On the night of December 22<sup>nd</sup> 1955 - a Saturday - there were three Shackleton MR2s in Hangar 7 undergoing fuel tank filling tests. Suddenly, there was a spark caused by static electricity, and the aircraft were engulfed in flames! The Senior Foreman there, Harry Houghton and the men on duty tried desperately to limit the fire by pulling drums of fuel away from the Shackletons, and using fire extinguishers, but to no avail!

The Royal Canadian Air Force scrambled its Fire Tenders from their site on the North side of the airfield, and they were soon on the scene - albeit by now the Hangar itself was on fire, and a pillar of flame and smoke rose high into the sky from the Hangar roof. As Neil Cunningham remembers: *"It was the only time in my life when I have ever seen concrete actually melt!"*

One Shackleton (WL799) was totally destroyed, as was the hangar, and 2 others damaged, but with all the work on hand, Hangar 7 was hurriedly rebuilt in more modern post-war style, and was in use again by mid-1956!

#### **Vulcan contracts**

Langar only hosted four different Vulcan aircraft - all arriving and departing in 1957-8.

Ken Allen remembers:

*"The first prototype (VX770) which had completed its evaluation and test flying was placed on embodiment loan to Rolls-Royce Experimental Establishment, Hucknall, Nottingham, as a flying test bed for the first of the family of 'By-pass' engines - ie the Conway. The airframe had extensive modifications at Langar to comply with current regulations. This work took some twelve months to complete. I had the privilege of being Senior Inspector through the whole of this project and co-signed the daily inspection for the first flight. The whole of Langar came out to view the take off on August 9<sup>th</sup> 1957. It was a very memorable sight, deafening, but quite unforgettable! I was also relieved. Vulcan VX770 never returned to Langar and was delivered direct to Hucknall. I did later meet up with the Vulcan at Rolls-Royce Hucknall, to advise on repairs to the airframe.*

*Next came XA903, an early B.Mk1 version, to be fitted at Langar with a special bomb release, and tracking telemetry for airborne release of the Blue Steel 'stand-off' bomb. This was completed and flew on January 27<sup>th</sup> 1958.*

*Then came XA901 and lastly XA891, to be fitted with the more powerful uprated Bristol Olympus engines of 16,000 lb st each. These Mk200 Olympus engines were fitted in time for the SBAC show in 1958, and the Vulcans were completed on May 22<sup>nd</sup> and June 10<sup>th</sup> 1958, respectively."*

#### **More hangars acquired**

Neil Cunningham remembers the RCAF's occupation of Langar:

Peter Norman

SEPT 1962

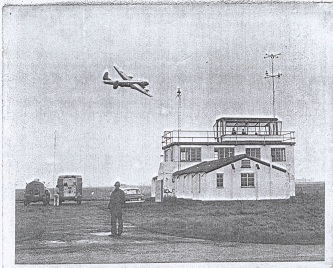
Sep 4<sup>th</sup>

WL798 Shack II

lost at Langan

(lost over at  
Bitteswell)

Harry Fisher is  
the Pilot.



The last Shackleton modified at Langan  
flies around the Control Tower  
(now the Hef building of the Brit. Parachute School)



Retirement: Sp. Ldr. Peter Field-Richards (Centre) and Jean Cooke (right)  
meet again at Langar. Both great Test-Pilots.

*"The Royal Canadian Air Force occupied the airfield and the North side from 1951 to 1963. When they eventually vacated the site, A V Roe/Hawker Siddeley Aviation took over part of it, which included two T2 Type Hangars and other buildings. One of the Hangars became a Flight Shed, and the other became the Trials Installation (TI) Section. As this site was some distance from the factory, there was a bus service between the two, which consisted of an ex-City of Coventry double decker bus and a mini-bus."*

The Flight Shed provided much needed extra space for the Shackletons and the TI hangar enabled the relevant Shackletons sent over from Woodford to be fitted out with the new equipment to be tested from Langar or Boscombe Down, and proved, before adopting it as standard in the future Phase refits given to all the Shackletons.

### **The closure of Langar**

With the refitting of all the necessary RAF Shackletons now accomplished, and the emphasis on Vulcan refits now appearing, Hawker Siddeley Aviation decided to close Langar at the end of 1968, and transfer all refitting facilities to Bitteswell - a little further South, close to Coventry.

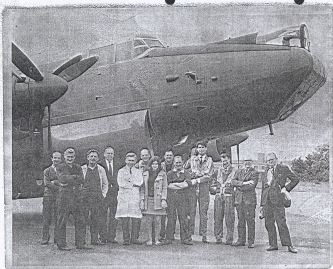
It was a sad day when the date of closure approached for the team of workers who had, over a period of 26 years, carried out such excellent refitting and modification to over 1,185 aircraft in all (see Appendix 2).

The last aircraft to be refurbished at Langar was the Shackleton MR2 WL798, and this was rolled out for engine runs, at the end of August 1968. The date for its final handover to the RAF again was set for September 4<sup>th</sup>, and on that day the workers at Langar turned out to see the test-pilot from Woodford, Harry Fisher, with Roy Browne from Langar as his Flight Engineer and Dave Pearson from Woodford as his other crew.

As well as the Avro employees, Peter Field-Richards, the previous (and only) locally employed Avro test-pilot, and Arthur Norman, the company's first Flight Engineer, were also on hand to witness the last flyby. Ken Cook also flew over from Woodford for the occasion - he had helped Peter Field-Richards out on occasions with flight-testing at Langar and Waddington, and after retiring at Woodford as one of Avro's greatest test-pilots, had become Air Traffic Control Officer there, with responsibility for the operation of Langar's Control tower too.

They all waved to the crew, and the 'Mighty Hunter' (the Shackleton) as it majestically gathered speed down the runway and then flew around the works and control tower several times, before 'beating-up' the airfield for the last time, and landing. An RAF crew took it over on September 16<sup>th</sup>, and then flew it back to its base (205 Squadron, at Changi, Singapore).

And so, as the workers now were gradually paid off (some had already gone in the last few months) the works gradually emptied of jigs and tools, spare parts and anything that



GUEST ON RIGHT

GEORGE ROBERT NOLAN  
(ex Fok. Engineer)

PICNIC TAKEN SEPT 1968

The last Shackleton  
about to be flown  
away from Langar  
Sep 4<sup>th</sup> 1968!

Harry Brown Peter Nolan  
Fisher F-R

From 1968

could be used elsewhere in HSA, and the Hangar doors closed in turn, never to re-open for some time.

Some of the workers were re-deployed to HSA airfields like Bitteswell, Woodford, etc, or to Outworking Parties at Bracebridge Heath. But many looked for jobs at Rolls-Royce at Derby and Hucknall, or in engineering concerns in Nottingham, Derby, Leicester and Loughborough.

When British Aerospace was formed in 1977, some gravitated to their other plants at Warton, Bristol, etc, and a few managed to be employed later on the Saudi Arabian contracts for operating the Lightning fighters, etc.

They disappeared from Langar and were diffused across the aviation spectrum as years went by. But they never lost their pride in what they had done for Avros at Langar and to this day, the dwindling band of experts meet in little groups in Lincoln every month and less regularly around Nottingham. They remember the 'good old days', the times when the 'boss' - Charlie Hatton, who used to rule them all with a rod of iron - would suddenly appear in the works on his constant inspections - and they would all 'dive for cover' as his entourage approached! They remember the accolades that Sir Roy Dobson occasionally paid them, with feeling, for their immense efforts. And above all, they can still dwell on their superb achievements over the 26 years of Langar's existence.

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Sgt. Ltr: Peter Field-Richards became "Mine Host" here for some years.



Appendix 1

Summary =  
Aircraft repaired/rebuilt/converted  
at Langar

Avro Manchester	1
" Lancaster	320
- Anson	5
" York	102
- Lincoln	235
- Lincolnian	1
- Shackleton	230
- Lancasterian	3
- Vulcan	4
Gloster Meteor	284
	<u>1,185</u>

<u>1/2</u>	<u>Date</u>	<u>Serial</u>	<u>Aircraft</u>	<u>Delivered to/at</u>
1	5.10.42	R5667	LANCASTER MK-I	1665 COM.WENT HOLME
2	9.11.42	R5547	"	1694 COM.WENT WHISKEY
3	9.12.42	R5686	"	38 MU. LLANDOW
4	30.12.42	R5672	"	39 MU. COLERHE
5	20.1.43	W4140	"	38 MU. LLANDOW
6	11.2.43	R5688	"	46 MU. LOSSIEMOUTH
7	25.2.43	W4766	"	20 MU. ASTON DOWN
8	8.3.43	W4778	"	38 MU. LLANDOW
9	12.3.43	R5801	"	39 MU. COLERHE
10	24.3.43	R5634	"	38 MU. LLANDOW
11	6.4.43	W4762	"	20 MU. ASTON DOWN
12	12.4.43	R5795	"	46 MU. LOSSIEMOUTH
13	22.4.43	ED412	"	39 MU. COLERHE
14	30.4.43	W4301	"	38 MU. COLERHE
15	15.5.43	ED382	"	5 MU. KEMBLE
16	16.5.43	R5700	"	5 MU. KEMBLE
17	10.5.43	R5777	MANCHESTER MK-I.	39 MU. COLERHE
18	20.5.43	W4193	LANCASTER MK.I.	20 MU. ASTON DOWN
19	29.5.43	W4119	"	20 MU. ASTON DOWN
20	2.6.43	W4248	"	46 MU. LOSSIEMOUTH
21	16.6.43	ED442	" MK III	5 MU. KEMBLE
22	20.6.43	R5756	" MK-I	46 MU. LOSSIEMOUTH
23	22.6.43	W4132	"	5 MU. KEMBLE
24	27.6.43	W4197	"	5 MU. KEMBLE
25	1.7.43	R5504	(FINDER) TRAINER	45 TT. ST. ATHAN. (Became 3661 M)
26	2.7.43	L7577	(STATIC) TRAINER	45 TT. ST. ATHAN. (Became 3610 M)
27	2.7.43	W4128	(STATIC) TRAINER	10 TT. ST. ATHAN. (Became 3699 M)
28	2.7.43	W4376	"	38 MU. LLANDOW
29	9.7.43	L7574	"	20 MU. ASTON DOWN
30	14.7.43	L7576	"	46 MU. LOSSIEMOUTH
31	17.7.43	W4158	"	46 MU. LOSSIEMOUTH
32	2.8.43	ED348	"	5 MU. KEMBLE
33	9.8.43	R5895	"	38 MU. LLANDOW
34	16.8.43	ED346	"	45 TT. ST. ATHAN.

35	16. 8. 43	W4276	LANCASTER	MK-I.	5 MU	KEMBLE	2
36	24. 8. 43	ED658	"	MK-III	38 MU	LLANDOW	
37	29. 8. 43	R5863	"	MK-I	16 MU	LOSSIEMOUTH	
38	31. 8. 43	ED310	"	" "	38 MU	LLANDOW	
39	5. 9. 43	ED366	"	" "	48 MU	LOSSIEMOUTH	
40	11. 9. 43	W4852	"	" "	38 MU	LLANDOW	
41	17. 9. 43	ED445	"	MK-III	48 MU	LOSSIEMOUTH	
42	21. 9. 43	LM310	"	MK-I	5 MU	KEMBLE	
43	18. 10. 43	R5552	"	" "	30 MU	ASTON Down	
44	18. 10. 43	W4893	"	" "	38 MU	LLANDOW	
45	21. 10. 43	ED623	"	MK-III	48 MU	LOSSIEMOUTH	
46	30. 10. 43	W4991	"	MK-I	38 MU	LLANDOW	
47	15. 11. 43	L7579	"	" "	20 MU	ASTON Down	
48	19. 11. 43	W5006	"	MK-III	38 MU	LLANDOW	
49	13. 11. 43	ED411	"	MK-I	48 MU	LOSSIEMOUTH	
50	26. 11. 43	R5724	"	" "	30 MU	ASTON Down	
51	30. 11. 43	R5862	"	" "	48 MU	LOSSIEMOUTH	
52	30. 11. 43	W4380	"	" "	20 MU	ASTON Down	
53	30. 12. 43	W4127	"	" "	48 MU	LOSSIEMOUTH	
54	14. 1. 44	ED430	"	" "	48 MU	LOSSIEMOUTH	
55	21. 1. 44	L7541	"	" "	48 MU	LOSSIEMOUTH	
56	27. 1. 44	EE 148	"	MK-III	20 MU	ASTON Down	
57	30. 1. 44	L7527	"	MK-I	20 MU	ASTON Down	
58	7. 2. 44	EE 174	"	MK-III	38 MU	LLANDOW	
59	5. 2. 44	ED395	"	" "	48 MU	LOSSIEMOUTH	
60	15. 2. 44	TA695	"	MK-III	5 MU	KEMBLE	
61	20. 2. 44	W4138	"	MK-I	20 MU	ASTON Down	
62	1. 3. 44	R5625	"	" "	38 MU	LLANDOW	
63	15. 3. 44	R5845	"	" "	48 MU	LOSSIEMOUTH	
64	17. 3. 44	ED802	"	MK-III	38 MU	LLANDOW	
65	25. 3. 44	TB125	"	" "	5 MU	KEMBLE	
66	30. 3. 44	DY175	"	MK-III	5 MU	KEMBLE	
67	2. 4. 44	W4891	"	MK-I	5 MU	KEMBLE	
68	5. 4. 44	W4249	"	" "	38 MU	LLANDOW	

69	2. 4. 44.	R 5733	LANCASTER	MK. I.
70	14. 5. 44	R 5609	"	" "
71	22. 4. 44	LM 368	"	MK. III
72	16. 4. 44	EE 124	"	MK III
73	17. 4. 44	ED 382	"	MK I
74	30. 4. 44	DV 286	"	MK III
75	9. 5. 44	DV 310	"	MK I
76	9. 5. 44	W 4900	"	" "
77	18. 5. 44	R 5683	"	" "
78	17. 5. 44	JB 351	"	MK. III
79	19. 5. 44	ED 324	"	MK I
80	20. 5. 44	DV 200	"	MK III
81	27. 5. 44	W 4883	"	MK I
82	27. 5. 44	ED 802	"	MK III
83	27. 5. 44	DV 181	"	" "
84	31. 5. 44	JB 118	"	" "
85	7. 6. 44	R 5505	"	MK. I
86	8. 6. 44	LM 375	"	MK III
87	12. 6. 44	JB 561	"	" "
88	13. 6. 44	JB 475	"	" "
89	16. 6. 44	DV 335	"	MK I
90	18. 6. 44	W 4933	"	MK III
91	27. 6. 44	JR 684	"	" "
92	23. 6. 44	DV 171	"	" "
93	28. 6. 44	ME 584	"	MK. I
94	5. 7. 44	DS 792	"	MK. II
95	7. 7. 44	LM 381	"	MK III
96	9. 7. 44	W 786	"	MK I
97	12. 7. 44	DS 605	"	MK. II
98	14. 7. 44	DV 178	"	MK III
99	23. 7. 44	JB 374	"	" "
100	25. 7. 44	DS 714	"	MK. II
101	26. 7. 44	ED 940	"	MK III
102	27. 7. 44	JR 876	"	" "

5. MU.	KEMBLE
38 MU.	LANBOW
46 MU.	LOSSIEMOUTH
5. MU.	KEMBLE
5. MU.	KEMBLE
38 MU.	LANBOW
38 MU.	LANBOW
38 MU.	LANBOW
46 MU.	LOSSIEMOUTH
5. MU.	KEMBLE
5. MU.	KEMBLE
38 MU.	LANBOW
38 MU.	LANBOW
38 MU.	LANBOW
46 MU.	LOSSIEMOUTH
38 MU.	LANBOW
38 MU.	LANBOW
46 MU.	LOSSIEMOUTH
46 MU.	LOSSIEMOUTH
38 MU.	LANBOW
5. MU.	KEMBLE
38 MU.	LANBOW
5. MU.	KEMBLE
46 MU.	LOSSIEMOUTH
5. MU.	KEMBLE
38 MU.	LANBOW
46 MU.	LOSSIEMOUTH

(3)

438  
LM 348 LANCASTER MK-III.

103	31.7.44	LM 348	"	"	"
104	31.7.44	TA900	"	"	"
105	31.8.44	JB 710	"	"	"
106	5.8.44	hh 742	"	"	MK-I.
107	6.8.44	R 5650	"	"	"
108	8.8.44	LL 628	"	"	MK-II.
109	14.8.44	W 4107	"	"	MK-I.
110	17.8.44	R 3500	"	"	"
111	18.8.44	ED 631	"	"	"
112	24.8.44	R 5503	"	"	"
113	27.8.44	JB 410	"	"	MK-III
114	31.8.44	DS 783	"	"	MK-II
115	31.8.44	ND 623	"	"	MK-III
116	2.9.44	ND 572	"	"	"
117	9.9.44	JB 185	"	"	"
118	10.9.44	ND 793	"	"	"
119	21.9.44	JB 609	"	"	"
120	24.9.44	LL 865	"	"	"
121	27.9.44	JB 613	"	"	"
122	14.9.44	ND 285	"	"	"
123	27.9.44	ME 644	"	"	MK-I
124	7.10.44	PD 118	"	"	MK-III
125	7.10.44	LM 639	"	"	"
126	14.10.44	ND 442	"	"	"
127	14.10.44	ND 656	"	"	"
128	17.10.44	LL 646	"	"	MK-II
129	27.10.44	ME 719	"	"	MK-I
130	27.10.44	LL 207	"	"	"
131	2.11.44	LM 460	"	"	MK-III
132	2.11.44	RS 735	"	"	MK-I
133	6.11.44	LM 192	"	"	"
134	6.11.44	ND 303	"	"	MK-III
135	10.11.44	ND 365	"	"	"
136	15.11.44	W 4821	"	"	MK-I

46 MW. LOSSIEMOUTH (4)

5 MW.	KEMBLE
5 MW.	KEMBLE
38 MW.	BLANDOW
38 MW.	BLANDOW
5 MW.	KEMBLE
46 MW.	LOSSIEMOUTH
46 MW.	LOSSIEMOUTH
38 MW.	BLANDOW
38 MW.	BLANDOW
46 MW.	LOSSIEMOUTH
5 MW.	KEMBLE
FIGHT REVENUES - STATIONED	
38 MW.	BLANDOW
46 MW.	LOSSIEMOUTH
FIGHT REVENUES - STATIONED	
5 MW.	KEMBLE
38 MW.	BLANDOW
38 MW.	BLANDOW
38 MW.	BLANDOW
38 MW.	BLANDOW
46 MW.	LOSSIEMOUTH
FIGHT REVENUES - STATIONED	
5 MW.	KEMBLE
38 MW.	BLANDOW
46 MW.	LOSSIEMOUTH
5 MW.	KEMBLE
38 MW.	BLANDOW
38 MW.	BLANDOW
46 MW.	LOSSIEMOUTH
46 MW.	LOSSIEMOUTH
38 MW.	BLANDOW
46 MW.	LOSSIEMOUTH
46 MW.	LOSSIEMOUTH
38 MW.	BLANDOW

137	30.11.44	ME 738	LANCASTER MK - I,	46 MW	LOSSIEMOUTH
138	0.12.44	DS 711	" MK - II,	38 MW	LANSDOWN
138	3.12.44	RS 868	" MK I,	467 SQDN	WADDINGTON
140	8.12.44	LM 590	" MK - III	1689 CON. UNIT	LANCASH.
141	0.12.44	LM 680	" " "	30 MW	LANSDOWN
142	20.12.44	DY 248	" " "	46 MW	LOSSIEMOUTH
143	3.1.45	PD 218	" MK - I	46 MW	LOSSIEMOUTH
144	7.1.45	ME 847	" " "	46 MW	LOSSIEMOUTH
145	7.1.45	PD 208	" " "	38 MW	LANSDOWN
148	14.1.45	LM 581	" MK - III	ECB UNIT	WESTCOTT
149	14.1.45	RS 507	" MK - I	38 MW	LANSDOWN
148	27.1.45	HK 607	" " "	1854 CON. UNIT	WIGLEY
148	27.1.45	TB 318	" MK - III	1854 CON. UNIT	WIGLEY
150	28.1.45	PD 213	" MK - I	1854 CON. UNIT	WIGLEY
151	28.1.45	PD 231	" " "	1850 CON. UNIT	SWINDON
152	1.2.45	LL 785	" " "	1850 CON. UNIT	SWINDON
153	1.2.45	NH 713	" " "	1850 CON. UNIT	SWINDON
154	1.2.45	ND 331	" MK - III	FLIGHT REPAIRING	STATION
155	10.2.45	PS 481	" " "	5 L.F.S.	STERSTON
156	12.2.45	PS 420	" " "	1850 CON. UNIT	SWINDON
158	13.2.45	PS 248	" " "	5 L.F.S.	STERSTON
158	13.2.45	LM 748	" " "	1859 CON. UNIT	WIGLEY
159	20.2.45	LM 681	" " "	FLIGHT REPAIRING	STATION
160	20.2.45	L 7580	" MK - I	1858 CON. UNIT	ROTTERDAM
161	22.2.45	PS 307	" MK III	1857 CON. UNIT	SANDHOLT
162	28.2.45	ME 848	" MK - I	105 SQDN	ALSHAM WOODS
163	28.2.45	PS 424	" MK III	15 SQDN	MUNSTERMAN
164	1.3.45	LM 160	" MK - I	300 SQDN	FILTHAM WORTH
165	8.3.45	W 4231	" " "	1851 CON. UNIT	WOLVER LODGE
166	8.3.45	L 7582	" " "	1851 CON. UNIT	WOLVER LODGE
167	10.3.45	LM 288	" " "	B.C.I.S.	FINNINGLEY
168	16.3.45	ND 322	" MK III	227 SQDN	ROLDARTON
169	18.3.45	ND 508	" " "	51 SQDN	WREKINGTHORPE
170	12.3.45	PD 285	" MK - I	50 SQDN	WREKINGTHORPE

171	22.2.45	PD 343	LANCASTER	MK I.	366 SQDN	KIRKINGTOWN	6
172	28.3.45	LM 689	"	MK. III	366 SQDN	KIRKINGTOWN	
173	27.5.45	NB 521	"	" "	460 SQDN	BURBROOK	
174	27.3.45	LM 678	"	" "	227 SQDN	BADERTON	
175	27.5.45	LM 721	"	" "	150 SQDN	HEMSWORTH	
176	28.3.45	PA 360	"	" "	57 SQDN	EAST KIRKBY	
177	28.3.45	PA 532	"	" "	550 SQDN	NORTH KILNHOUSE	
178	7.4.45	NN 798	"	MK - I	625 SQDN	KELSIERN	
179	7.4.45	PD 198	"	" "	103 SQDN	ELSHAM WOODS	
180	3.9.45	LM 651	"	MK. III	427 SQDN	KEPMING BAR	
181	11.4.45	W 4154	"	MK. I	46 MU.	LOSSIEMOUTH	
182	11.4.45	LM 727	"	MK. III	550 SQDN	NORTH KILNHOUSE	
183	15.9.45	PD 324	"	MK. I	427 SQDN	KEPMING BAR	
184	18.9.45	PA 815	"	MK. III	46 MU.	LOSSIEMOUTH	
185	20.9.45	HK 657	"	MK. I	46 MU.	LOSSIEMOUTH	
186	21.9.45	PA 489	"	MK. III	46 MU.	LOSSIEMOUTH	
187	25.9.45	ED 767	"	" "	46 MU.	LOSSIEMOUTH	
188	30.9.45	HK 614	"	MK - I	46 MU.	LOSSIEMOUTH	
189	1.5.45	JB 648	"	MK. III	46 MU.	LOSSIEMOUTH	
190	3.5.45	NG 366	"	MK - I	46 MU.	LOSSIEMOUTH	
191	9.5.45	PD 281	"	" "	46 MU.	LOSSIEMOUTH	
192	10.5.45	PD 348	"	" "	46 MU.	LOSSIEMOUTH	
193	18.5.45	W 4263	"	" "	46 MU.	LOSSIEMOUTH	
194	11.5.45	NB 855	"	MK - III	46 MU.	LOSSIEMOUTH	
195	12.5.45	JA 868	"	" "	46 MU.	LOSSIEMOUTH	
196	16.5.45	NG 124	"	MK - I	46 MU.	LOSSIEMOUTH	
197	29.5.45	NG 195	"	" "	46 MU.	LOSSIEMOUTH	
198	29.5.45	NG 288	"	" "	46 MU.	LOSSIEMOUTH	
199	29.5.45	NG 430	"	" "	46 MU.	LOSSIEMOUTH	
200	29.5.45	PA 847	"	" "	38 MU.	KLANDOW	
201	31.5.45	PD 362	"	" "	38 MU.	KLANDOW	
202	1.6.45	HK 708	"	" "	38 MU.	KLANDOW	
203	4.6.45	PD 384	"	" "	5 MU.	KEMBLE	
204	7.6.45	PA 464	"	MK. III	5 MU.	KEMBLE	

205	15. 6. 45	JB 716	LANCASTER MK. III
206	15. 6. 45	ME 370	" " "
07	15. 6. 45	EB 639	" " "
08	19. 6. 45	R 5730	" MK - I
09	15. 6. 45	NE 353	" " "
210	15. 6. 45	NF 310	" " "
11	26. 6. 45	PD 223	" " "
12	1. 7. 45	LM 224	" " "
13	3. 7. 45	PB 760	" " "
14	3. 7. 45	W 4980	" " "
15	12. 7. 45	PB 758	" MK - III
16	13. 7. 45	NG 270	" MK - I
17	13. 7. 45	ED 811	" MK - III
18	20. 7. 45	TA 962	" " "
19	23. 7. 45	HK 755	" MK I
220	25. 7. 45	MW 111	YORK C. MK. I.
21	27. 7. 45	PB 420	LANCASTER MK. III
22	8. 8. 45	RA 507	" MK - I
23	14. 8. 45	PD 349	" " "
24	14. 8. 45	GW 243	" " "
25	27. 8. 45	PP 682	" " "
26	27. 8. 45	KY 546	" " "
27	31. 8. 45	PD 401	" " "
28	31. 8. 45	NH 769	" " "
29	6. 9. 45	NG 245	" " "
230	9. 9. 45	MW 110	YORK C. MK. I.
31	15. 9. 45	NG 283	LANCASTER MK. I.
232	17. 9. 45	W 4383	" " "
33	25. 9. 45	HK 702	" " "
34	2. 10. 45	LM 266	" " "
35	13. 10. 45	NG 186	" " "
36	18. 10. 45	MW 120	YORK C. MK. I.
37	18. 10. 45	W 4115	LANCASTER MK. I
38	18. 10. 45	RF 210	" MK III

38 MU.	BLANDOW
39 MU.	BLANDOW
10 MU.	HULLAVINGTON
10 MU.	HULLAVINGTON
20 MU.	ASTON Down
15 MU.	WROUGHTON
30 MU.	BLANDOW
ENS.	SHAWBURY
10 MU.	HULLAVINGTON
20 MU.	ASTON Down
CRD.	WEST FREUGH
20 MU.	ASTON Down
CRD.	WEST FREUGH
10 MU.	HULLAVINGTON
10 MU.	HULLAVINGTON
511 SQN	KINHAM
CRD.	WEST FREUGH
10 MU.	HULLAVINGTON
30 MU.	BLANDOW
30 MU.	BLANDOW
5 MU.	KEMBLE
5 MU.	KEMBLE
10 MU.	ASTON Down
20 MU.	ASTON Down
15 MU.	WROUGHTON
511 SQN	KINHAM
46 MU.	LOSSIEMOUTH
5 MU.	KEMBLE
46 MU.	LOSSIEMOUTH
46 MU.	LOSSIEMOUTH
46 MU.	LOSSIEMOUTH
511 SQN	KINHAM
46 MU.	LOSSIEMOUTH
30 MU.	BLANDOW



239	22. 10. 45	LV 533	YORK - 3 <sup>rd</sup> (P) "Ascalon"	SIL SQDN LINGHAM
240	13. 11. 45	JA 822	LANCASTER MK III	28 MU LONDON
241	13. 11. 45	NG 387	" " MK I	38 MU COLERNE
242	16. 11. 45	PA 286	" " " "	5 MU KEMBLE
243	13. 12. 46	ED 623	" " MK III	38 MU COLERNE
244	13. 12. 46	W 4950	" " MK I	5 MU KEMBLE
245	13. 12. 46	PD 752	" " " "	CRD BRACEBRIDGE HEATH
246	17. 12. 46	MW 101	YORK C. MK I	SIL SQDN LINGHAM
247	27. 12. 46	MW 128	" " " "	SIL SQDN LINGHAM
248	4. 1. 46	MES 27	LANCASTER MK III	38 MU LONDON
249	8. 1. 46	PA 232	" " MK I	RNE WATTON
250	10. 1. 46	ME 180	" " " "	38 MU COLERNE
251	11. 1. 46	ND 939	" " MK III	38 MU COLERNE
252	18. 1. 46	MW 100	YORK C. MK I (1 <sup>st</sup> Pool)	SIL SQDN LINGHAM
253	28. 1. 46	PD 281	LANCASTER MK I	RNE WATTON
254	7. 2. 46	ED 607	" " MK III	RNE WATTON
255	7. 2. 46	ND 979	" " " "	22 MU SILLOTH
256	8. 2. 46	MW 125	YORK C. MK I	218 MU COLERNE
257	9. 2. 46	RE 137	LANCASTER MK III	CRD - AST. HAMBUR
258	11. 2. 46	PD 386	" " " "	CRD - WEST FROUGH
259	28. 2. 46	ME 439	" " " "	22 MU SILLOTH
260	25. 2. 46	RE 404	LINCOLN B. MK 2	RAF NABHAM
261	7. 3. 46	ME 374	LANCASTER MK I	RNE WATTON
262	20. 3. 46	RE 378	LINCOLN B. MK 2	RAF DREDFORD
263	10. 3. 46	RE 380	" " " "	ENGLISH ELECTRIC PRESTON
264	16. 3. 46	RE 379	" " " "	E.E.
265	26. 3. 46	MW 127	YORK C. MK I	218 MU COLERNE
266	26. 3. 46	LM 681	LANCASTER MK III	CRD STANFORD
267	11. 4. 46	RE 377	LINCOLN B. MK 2	E.E.
268	18. 4. 46	MW 139	YORK C. MK I	218 MU COLERNE
269	23. 4. 46	RE 375	LINCOLN B. MK 2	5 MU KEMBLE
270	23. 4. 46	RE 376	" " " "	5 MU KEMBLE
271	1. 5. 46	MW 123	YORK C. MK I	218 MU COLERNE
272	1. 5. 46	RE 374	LINCOLN B. MK 2	E.E.

Part No.	Description	Part No.	Description
213	10. 5. 46 RE 373	213	10. 5. 46 RE 373
214	16. 5. 46 RE 289	214	16. 5. 46 RE 289
215	21. 5. 46 RE 307	215	21. 5. 46 RE 307
216	23. 5. 46 RE 372	216	23. 5. 46 RE 372
217	23. 5. 46 MW 104	217	23. 5. 46 MW 104
218	28. 5. 46 RE 370	218	28. 5. 46 RE 370
219	31. 5. 46 RE 371	219	31. 5. 46 RE 371
220	5. 5. 46 RE 369	220	5. 5. 46 RE 369
221	8. 5. 46 RE 302	221	8. 5. 46 RE 302
222	6. 6. 46 RE 312	222	6. 6. 46 RE 312
223	12. 6. 46 MW 138	223	12. 6. 46 MW 138
224	14. 6. 46 RE 305	224	14. 6. 46 RE 305
225	21. 6. 46 MW 122	225	21. 6. 46 MW 122
226	24. 6. 46 RE 317	226	24. 6. 46 RE 317
227	26. 6. 46 RE 313	227	26. 6. 46 RE 313
228	1. 7. 46 RE 315	228	1. 7. 46 RE 315
229	12. 7. 46 RE 417	229	12. 7. 46 RE 417
230	13. 7. 46 RE 394	230	13. 7. 46 RE 394
231	16. 7. 46 RE 338	231	16. 7. 46 RE 338
232	16. 7. 46 RE 393	232	16. 7. 46 RE 393
233	18. 7. 46 RE 395	233	18. 7. 46 RE 395
234	19. 7. 46 RE 396	234	19. 7. 46 RE 396
235	23. 7. 46 RE 339	235	23. 7. 46 RE 339
236	25. 7. 46 RE 415	236	25. 7. 46 RE 415
237	25. 7. 46 RE 416	237	25. 7. 46 RE 416
238	25. 7. 46 RE 418	238	25. 7. 46 RE 418
239	25. 7. 46 MW 187	239	25. 7. 46 MW 187
240	25. 7. 46 RE 340	240	25. 7. 46 RE 340
241	26. 7. 46 RE 341	241	26. 7. 46 RE 341
242	8. 8. 46 RE 419	242	8. 8. 46 RE 419
243	20. 8. 46 RE 420	243	20. 8. 46 RE 420
244	20. 8. 46 RE 421	244	20. 8. 46 RE 421
245	23. 8. 46 RE 367	245	23. 8. 46 RE 367
246	26. 8. 46 RE 368	246	26. 8. 46 RE 368

307	18. 8. 46	RE 303	LINCOLN B. MK. 2
308	30. 8. 46	RE 304	- - - -
309	9. 9. 46	RE 305	- - - -
310	13. 9. 46	RE 306	- - - -
311	16. 9. 46	RE 414	- - - -
312	11. 9. 46	MW 142	YORK C. MK. I
313	19. 9. 46	RE 422	LINCOLN B. MK. 2
314	19. 9. 46	RE 285	- - - -
315	23. 9. 46	RE 423	- - - -
316	2. 10. 46	RE 296	- - - -
317	9. 10. 46	RE 360	- - - -
318	11. 10. 46	MW 102	YORK C. MK. I
319	16. 10. 46	RE 424	LINCOLN B. MK. 2
320	16. 10. 46	RE 297	- - - -
321	22. 10. 46	MW 137	YORK C. MK. I
322	23. 10. 46	MW 106	- - - -
323	23. 10. 46	RE 299	LINCOLN B. MK. 2
324	25. 10. 46	RE 301	- - - -
325	8. 11. 46	RE 361	- - - -
326	8. 11. 46	RE 393	- - - -
327	8. 11. 46	RE 327	- - - -
328	8. 11. 46	MW 181	YORK C. MK. I
329	9. 12. 46	RE 300	LINCOLN B. MK. 2
330	18. 12. 46	MW 395	YORK C. MK. I
331	16. 1. 47	RE 358	LINCOLN B. MK. 2
332	16. 1. 47	RE 413	- - - -
333	29. 1. 47	MW 130	YORK C. MK. I
334	25. 1. 47	RE 400	LINCOLN B. MK. 2
335	20. 2. 47	RE 364	- - - - (Aries II)
336	20. 3. 47	RE 362	- - - -
337	20. 3. 47	RE 363	- - - -
338	10. 4. 47	RE 398	- - - -
339	11. 4. 47	RE 411	- - - -
340	11. 4. 47	MW 135	YORK C. MK. I

ENGLISH ELECTRIC	10
RE	
RE	
RE	
RE	
22 MW	SILLOTH
RE	
RE	
RE	
RE	
RAF	BASSINGBOURNE
37 MW	BURTON WOOD
RE	
CRD.	WOODFORD
22 MW	SILLOTH
37 MW	BURTON WOOD
37 MW	BURTON WOOD
37 MW	BURTON WOOD
37 MW	BURTON WOOD
37 MW	BURTON WOOD
22 MW	SILLOTH
37 MW	BURTON WOOD
RAF	BASSINGBOURNE
15 MW	WROUGHTON
15 MW	WROUGHTON
22 MW	SILLOTH
15 MW	WROUGHTON
FAHS.	SHAWBURY
15 MW	WROUGHTON
15 MW	WROUGHTON
37 MW	BURTON WOOD
37 MW	BURTON WOOD
22 MW	SILLOTH

391	15. 4. 47	RE345.	LINCOLN B. MK. 2
392	16. 4. 47	LV-ACV	LANCASTRIAN C. MK. 4
48	23. 4. 47	LV-ACV	" " " "
44	26. 4. 47	MW109	YORK C. MK. I.
45	29. 4. 47	RE 358	LINCOLN B. MK. 2
46	29. 4. 47	RE 412	" " " "
47	6. 5. 47	RE 414	" " " " (Mercury II)
48	19. 5. 47	MW113	YORK C. MK. I
49	28. 5. 47	RE 342	LINCOLN B. MK. 2
350	28. 5. 47	RE 344	" " " "
51	10. 5. 47	RE 357	" " " "
52	3. 6. 47	MW 108	YORK C. MK. I
53	3. 6. 47	MW 200	" " " "
54	19. 6. 47	E- AHEI	" " " "
55	30. 6. 47	MW 194	YORK C. MK. I.
56	21. 7. 47	MW 148	" " " "
57	15. 8. 47	E- AHEV	" " " "
58	8. 9. 47	MW 171 (RE 343)	YORK C. MK. I
59	17. 9. 47	B-001	LINCOLN B. MK. 2
360	9. 10. 47	RE 348	" " " "
61	18. 10. 47	MW109	YORK C. MK. I.
60	23. 10. 47	RE 347	LINCOLN B. MK. 2
63	31. 10. 47	MW 174 (RE 351)	YORK C. MK. I
64	24. 11. 47	B-004 (RE 356)	LINCOLN B. MK. 2
65	24. 11. 47	B-008 (RE 406)	" " " "
66	25. 11. 47	B-010 (RE 410)	" " " "
67	25. 11. 47	B-012 (RE 415)	" " " "
68	9. 12. 47	B-002 (RE 408)	" " " "
69	14. 12. 47	B-011	" " " "
370	5. 1. 48	MW 145	YORK C. MK. I
71	5. 1. 48	MW 165	" " " "
72	6. 1. 48	MW 140	" " " "
73	2. 1. 48	RE 407	LINCOLN B. MK. 2
374	20. 1. 48	RE 406	" " " "

ENGLISH ELECTRIC	(17)
FAMA	ARGENTINE
FAMA	ARGENTINE
ORLY	(DE GRILLE)
EE	
EE	
ERS.	DODDIE
AST	HAMBLE
38MU	ILANDOW
38MU	ILANDOW
38MU	ILANDOW
AST	HAMBLE
AST	HAMBLE
SKINNY	DUNSFORD
AST	HAMBLE
AST	HAMBLE
SKINNY	DUNSFORD
AST	HAMBLE
ARGENTINE	
E.E.	
22 MU	SILKOTH
E.E.	
511 SQH	LYNHAM
ARGENTINE	
ARGENTINE	
ARGENTINE	
ARGENTINE	
ARGENTINE	
ARGENTINE	
ARGENTINE	
RAF	HAMINGTON
RAF	HAMINGTON
34 SQH	BASSINGBOURNE
E.E.	
E.E.	

375	4. 2. 48	RE 322	LINCOLN B. MK. 2	E.E.	(12)
376	4. 2. 48	RE 325	- - - -	E.E.	
377	5. 2. 48	RE 346	- - - -	E.E.	
378	12. 2. 48	MW 141	YORK C. MK. I	AST	HANNAH
379	12. 2. 48	MW 186 (RE 324)	- - - -	RAE	HODGINGTON
380	13. 2. 48	B-007 (RE 189)	LINCOLN B. MK. 2	ARGENTINE	
381	13. 2. 48	B-005 (RE 155)	- - - -	ARGENTINE	
382	13. 2. 48	B-008	- - - -	ARGENTINE	
383	25. 2. 48	RE 324 (RE 323)	- - - -	E.E.	
384	27. 2. 48	B-006	- - - -	ARGENTINE	
385	8. 3. 48	RE 405	- - - -	E.E.	
386	8. 3. 48	RE 288	- - - -	E.E.	
387	9. 3. 48	MW 185	YORK C. MK. I	RAE	HODGINGTON
388	10. 3. 48	RE 323	LINCOLN B. MK. 2	E.E.	
389	22. 3. 48	RE 402	- - - -	E.E.	
390	30. 3. 48	RE 401	- - - -	E.E.	
391	1. 4. 48	RE 403	- - - -	E.E.	
392	1. 4. 48	RE 321	- - - -	E.E.	
393	5. 4. 48	RE 319	- - - -	E.E.	
394	9. 4. 48	MW 183	YORK C. MK. I	22 MU.	SILLOTH
395	14. 4. 48	MW 112	- - - -	PAUL POPE	HUCKLEBERRY
396	23. 4. 48	RE 329	LINCOLN B. MK. 2	E.E.	
397	4. 5. 48	RE 316	- - - -	E.E.	
398	5. 5. 48	MW 246	YORK C. MK. I	22 MU.	SILLOTH
399	6. 5. 48	RE 318	LINCOLN B. MK. 2	E.E.	
400	16. 5. 48	RE 311 (PA 315)	- - - -	E.E.	
401	11. 6. 48	B-031	LANCASTER MK. I	ARGENTINE	
402	18. 5. 48	RE 314	LINCOLN B. MK. 2	E.E.	
403	3. 6. 48	RE 308	- - - -	E.E.	
404	4. 6. 48	RE 306	- - - -	E.E.	
405	7. 6. 48	MW 172	YORK C. MK. I	22 MU.	SILLOTH
406	11. 6. 48	MW 100	- - - - (1st Prod)	RAE	BASSINGBOURNE
407	1. 7. 48	RE 308	LINCOLN B. MK. 2	E.E.	
408	12. 7. 48	MW 163	YORK C. MK. I	22 MU.	SILLOTH

909	15.7.48	RE 363	LINCOLN B. MK. 2	EE.	19
910	12.8.48	MW 121	YORK. C. MK. I	RE 5001	BASINGBOURNE
911	7.9.48	MW 195	" " "	RAF	ABINGDON
912	22.9.48	RE 192	LINCOLN B. MK. 2	EE.	
913	24.9.48	MW 132	YORK C. MK. I	RAF	ABINGDON
914	29.9.48	RE 310	LINCOLN B. MK. 2	EE.	
915	29.9.48	RE 293	" " "	EE.	
916	1.10.48	MW 187	YORK C. MK. I	RAF	LYNHAM
917	1.10.48	RE 367	LINCOLN B. MK. 2	3200.	ST. ATHAN
918	12.10.48	RE 304	" " "	EE.	
919	13.10.48	MW 128	YORK C. MK. I	RAF	LYNHAM
920	13.10.48	MW 110	" " "	RAF	ABINGDON
921	5.11.48	B-033	LANCASTER MK. I	ARGENTINE	
922	5.11.48	B-044	" " "	ARGENTINE	
923	12.11.48	B-043	" " "	ARGENTINE	
924	12.11.48	B-032	" " "	ARGENTINE	
925	18.11.48	RE 221	'LINCOLN' B. MK. 2	EE.	
926	18.11.48	SS 715	" " " "	EE.	
927	19.11.48	B-038	LANCASTER MK. I	ARGENTINE	
928	20.11.48	B-035	" " "	ARGENTINE	
929	20.11.48	B-045	" " "	ARGENTINE	
930	4.12.48	B-042	" " "	ARGENTINE	
931	11.12.48	B-039	" " "	ARGENTINE	
932	3.12.48	MW 178	YORK C. MK. I	RAF	LYNHAM
933	3.12.48	MW 188	" " "	RAF	LYNHAM
934	12.12.48	B-040	LANCASTER MK. I	ARGENTINE	
935	13.12.48	MW 140	YORK C. MK. I	RAF	BASINGBOURNE
936	16.12.48	B-036	LANCASTER MK. I	ARGENTINE	
937	17.12.48	B-034	" " "	ARGENTINE	
938	20.12.48	MW 143	YORK C. MK. I	RAF	ABINGDON
939	23.12.48	B-037	LANCASTER MK. I	ARGENTINE	
940	4.1.49	B-041	" " "	ARGENTINE	
941	6.1.49	SS 717	LINCOLN B. MK. 2	EE.	
942	2.2.49	MW 133	YORK C. MK. I	RAF	ABINGDON

443	29. 2. 49	B-003	LINCOLN B. MK. 2
444	25. 2. 49	MW 184	YORK C. MK. I
445	28. 2. 49	SS 718	LINCOLN B. MK. 2
446	8. 3. 49	NX 781	LANCASTER MK. I
447	9. 3. 49	LV 635	YORK MK I (3rd Photo) "Ascalon"
448	10. 3. 49	MW 239	YORK C. MK. I
449	24. 3. 49	MW 143	" - - - -"
450	29. 3. 49	MW 282	" - - - -"
451	1. 4. 49	RT 684	LANCASTER MK. VII
452	4. 4. 49	NX 737	LANCASTER MK. I
453	5. 4. 49	MW 155	YORK C. MK. I
454	14. 4. 49	MW 139	" - - - -"
455	20. 4. 49	SS 718	LINCOLN B. MK. 2
456	20. 4. 49	MW 206	YORK C. MK. I
457	22. 4. 49	RF 318	LANCASTER MK. III
458	3. 5. 49	RT 689	" MK VII
459	9. 5. 49	MW 184	YORK C. MK. I
460	19. 5. 49	RE 418	LINCOLN B. MK. 2 (there was test-bed)
461	31. 5. 49	MW 228	YORK C. MK. I
462	1. 6. 49	MW 136	" - - - -"
463	14. 6. 49	MW 227	" - - - -"
464	8. 7. 49	MW 243	" - - - -"
465	22. 7. 49	NX 715	LANCASTER MK. VII
466	5. 8. 49	MW 201	YORK C. MK. I
467	18. 8. 49	NX 749	LANCASTER MK. VII
468	19. 8. 49	RE 563	LINCOLN B. MK. 2
469	30. 8. 49	MW 194	YORK C. MK. I
470	2. 9. 49	RF 370	LINCOLN B. MK. 2
471	5. 9. 49	MW 237	YORK C. MK. I
472	6. 9. 49	RE 504	LINCOLN B. MK. 2
473	1. 9. 49	RT 693	LANCASTER MK. VII
474	7. 9. 49	RF 384	LINCOLN B. MK. 2
475	9. 9. 49	RE 386	" - - - -"
476	13. 9. 49	RE 506	" - - - -"

PRESENTING.	(14)
RAF.	DISHFORTH
E.E.	
RAF.	SHAWBURY
22 MU.	SILKOTH
RAF.	DISHFORTH
RAF.	LINHAM
RAF.	LINHAM
RAF.	SHAWBURY
RAF.	LITTLE RISSINGTON
RAF.	ABINGDON
RAF.	BUCKINGHAM DOWN
E.E.	
RAF.	ABINGDON
25 MU.	KINLEAS
RAF (EANS)	SHAWBURY
RAF.	DISHFORTH
RAF.	LINHAM
RAF.	ABINGDON
RAF.	ABINGDON
RAF.	LINHAM
20 MU.	SILKOTH
RAF (EANS)	SHAWBURY
22 MU.	SILKOTH
RAF.	SHAWBURY
RAF. (PHILIPPS)	WYTON
22 MU.	SILKOTH
RAF. (PHILIPPS)	WYTON
22 MU.	SILKOTH
RAF.	HEMSWELL
RAF.	SHAWBURY
RAF.	WABINGTON
RAF.	WABINGTON
RAF.	SCAMPTON





511 6.7.50 1802 LANCASTER MK.I.

512	24.7.50	1803	LANCASTER MK I
513	24.7.50	MW1286	YORK C. MK. I
514	28.7.50	RE380	LINCOLN B. MK 2
515	16.8.50	1804	LANCASTER MK. I
516	22.8.50	1805	" " "
517	7.9.50	MW133	YORK C. MK. I
518	19.9.50	1806	LANCASTER MK. I
519	26.9.50	MW134	YORK C. MK. I
520	3.10.50	MW136	" " "
521	5.10.50	1807	LANCASTER MK. I
522	13.10.50	RF484	LINCOLN B. MK 2
523	30.10.50	1808	LANCASTER MK. I
524	8.11.50	MW137	YORK C. MK. I
525	20.11.50	1809	LANCASTER MK. I
526	28.11.50	MW210	YORK C. MK. I
527	28.11.50	RF411	LINCOLN B. MK. 2
528	29.11.50	MW172	YORK C. MK. I
529	12.1.51	MX683	LANCASTER MK VII
530	18.1.51	MW235	YORK C. MK. I.
531	20.1.51	MW236	" " "
532	25.3.51	MW231	" " "
533	12.4.51	RF294	LINCOLN B. MK. 2
534	13.4.51	RF417	" " "
535	13.4.51	RF532	" " "
536	24.4.51	RF503	" " "
537	7.5.51	RF382	" " "
538	8.5.51	RF481	" " "
539	8.5.51	RF365	" " "
540	29.5.51	RF419	" " "
541	31.5.51	RF422	" " "
542	31.5.51	RF322	" " "
543	4.6.51	RF410	" " "
544	25.6.51	RF305	" " "

(16)  
EGYPT Via SUNSFOLD

EGYPT	" " "
RAF	BASSINGBOURNE
RAF	MANBY
EGYPT	
EGYPT	
12 MU	SILKOTH
EGYPT	
12 MU	SILKOTH
12 MU	SILKOTH
EGYPT	
13 MU	ANDERGROVE
EGYPT	
12 MU	SILKOTH
EGYPT	
12 MU	SILKOTH
12 MU	KEMBLE
12 MU	SILKOTH
15 MU	WROUGHTON
12 MU	SILKOTH
12 MU	KIRKBRIDE
12 MU	KIRKBRIDE
12 MU	KEMBLE
20 MU	ASTON Down
10 MU	HULLAYINGTON
5 MU	KEMBLE
36 MU	MANBY
15 MU	WROUGHTON
10 MU	HULLAYINGTON
5 MU	KEMBLE
5 MU	KEMBLE
RAF	ST. E. V.M.
20 MU	ASTON Down
30 MU	ASTON Down

547	27.6.51	RE 516	LINCOLN B. MK. 2	5 MU	KEMBLE	47
548	27.6.51	RF 423	"	20 MU	ASTON DOWN	
549	4.7.51	RF 458	"	15 MU	WROUGHTON	
548	10.7.51	RE 341	"	20 MU	ASTON DOWN	
549	23.7.51	RE 222	LANCASTER A.S.R. III	R.R.F.	ST. MARGARET	
550	25.7.51	RF 418	LINCOLN B. MK. 2	5 MU	KEMBLE	
551	25.7.51	RF 400	"	15 MU	WROUGHTON	
552	27.7.51	RF 514	"	15 MU	WROUGHTON	
553	27.7.51	RF 427	"	15 MU	WROUGHTON	
554	27.7.51	RF 529	"	5 MU	KEMBLE	
555	19.8.51	RE 366	"	30 MU	BLANDOW	
556	20.8.51	RE 369	"	30 MU	COLARNE	
557	23.8.51	RE 396	"	45 MU	KINROSS	
558	3.9.51	RE 520	"	15 MU	WROUGHTON	
559	19.9.51	RE 515	"	5 MU	KEMBLE	
560	19.9.51	RE 394	"	20 MU	ASTON DOWN	
561	27.9.51	RF 570	"	45 MU	KINROSS	
562	3.10.51	RF 456	"	20 MU	ASTON DOWN	
563	3.10.51	RF 406	"	5 MU	KEMBLE	
564	10.10.51	RF 464	"	30 MU	COLARNE	
565	12.10.51	RE 506	"	30 MU	COLARNE	
566	16.10.51	RE 413	"	10 MU	HULLYVINGTON	
567	19.11.51	RE 379	"	10 MU	HULLYVINGTON	
568	26.11.51	RF 478	"	30 MU	COLARNE	
569	26.11.51	RF 361	"	30 MU	BLANDOW	
570	26.11.51	RE 368	"	10 MU	HULLYVINGTON	
571	27.11.51	RE 376	"	50 MU	HOLLINGTON	
572	6.12.51	RF 499	"	20 MU	ASTON DOWN	
573	20.12.51	RF 404	"	20 MU	ASTON DOWN	
574	20.12.51	RE 507	"	20 MU	ASTON DOWN	
575	26.12.51	RF 473	"	10 MU	HULLYVINGTON	
576	2.1.52	RF 438	"	5 MU	KEMBLE	
577	8.1.52	RF 370	"	30 MU	BLANDOW	
578	14.1.52	RE 365	"	30 MU	COLARNE	

578	31. 1. 52	RF524	LINCOLN B. MK. 2	5 MU.	KEMBLE
580	11. 1. 52	RF289	" " " "	5 MU.	KEMBLE
581	18. 2. 52	RF513	" " " "	38 MU.	LANDOW
582	18. 2. 52	RF502	" " " "	20 MU.	ASTON DOWN
583	22. 2. 52	RF367	" " " "	20 MU.	ASTON DOWN
584	22. 2. 52	RF357	" " " "	20 MU.	ASTON DOWN
585	2. 2. 52	RF480	" " " "	15 MU.	WROUGHTON
586	9. 3. 52	RF393 (PA 657)	" " " "	10 MU.	HOLLAY & TON
587	12. 3. 52	W.U. 17	LANCASTER MK. I	VILLA COURLAY	
588	19. 3. 52	RF477 (PA 369)	LINCOLN B. MK. 2	38 MU.	LANDOW
589	5. 4. 52	W.U. 24	LANCASTER MK. I	VILLA COURLAY	
590	9. 4. 52	RF405	LINCOLN B. MK. 2	38 MU.	LANDOW
591	8. 4. 52	RF390	" " " "	38 MU.	LANDOW
592	18. 4. 52	RF358	" " " "	20 MU.	ASTON DOWN
593	23. 4. 52	RF471	" " " "	20 MU.	ASTON DOWN
594	23. 4. 52	RE 380 (PA 387)	" " " "	38 MU.	LANDOW
595	2. 5. 52	W.U. 25	LANCASTER MK. I	VILLA COURLAY	
596	15. 5. 52	RF482	LINCOLN B. MK. 2	38 MU.	COLERA
597	19. 5. 52	RF362 (PA 295)	" " " "	20 MU.	ASTON DOWN
598	28. 5. 52	W.U. 32 (PA 442)	LANCASTER MK. I	HAN BISHOP	
599	6. 6. 52	W.U. 40 (PA 473)	" " " "	VILLA COURLAY	
600	18. 6. 52	W.U. 33	" " " "	HAN BISHOP	
601	2. 7. 52	RF315 (PA 426)	LINCOLN B. MK. 2	5 MU.	KEMBLE
602	2. 7. 52	W.U. 24 (PA 800)	LANCASTER MK. I	VILLA COURLAY	
603	8. 7. 52	W.U. 52	" " " "	VILLA COURLAY	
604	10. 7. 52	RF307 (TW 813)	LINCOLN B. MK. 2	38 MU.	LANDOW
605	18. 7. 52	W.U. 42	LANCASTER MK. I	VILLA COURLAY	
606	24. 7. 52	RF307 (TW 925)	LINCOLN B. MK. 2	5 MU.	KEMBLE
607	28. 7. 52	W.U. 41	LANCASTER MK. I	VILLA COURLAY	
608	27. 8. 52	RF421 (PA 627)	LINCOLN B. MK. 2	20 MU.	ASTON DOWN
609	4. 9. 52	W.U. 49 (TW 927)	LANCASTER MK. I	VILLA COURLAY	
610	4. 9. 52	W.U. 53 (PA 439)	" " " "	VILLA COURLAY	
611	17. 9. 52	W.U. 51 (PA 796)	" " " "	VILLA COURLAY	
612	3. 10. 52	W.U. 51	" " " "	VILLA COURLAY	

613	8. 10. 52	WU 58	LANCASTER MK. I	VILVA COUDRIH
614	9. 10. 52	SX935	LINCOLN B. MK. 2	RAF MANBY
15	25. 10. 52	SX946 (N1666)	" " " "	RAF MANBY
16	26. 10. 52	WU 59	LANCASTER MK. I	VILVA COUDRIH
17	25. 11. 52	RF483	LINCOLN B. MK. 2	45 MU. KINROSS
18	18. 12. 52	WD132	" " " "	5 MU. KEMBLE
19	31. 12. 52	SX934	" " " "	RAF MANBY
620	16. 1. 53	RE321	LANCASTER G.R. III	22 MU. SULLOTH
21	12. 1. 53	RF428	LINCOLN B. MK. 2	20 MU. ASTON DOWN
22	22. 1. 53	RE385	" " " "	15 MU. WROUGHTON
23	27. 1. 53	RE354	" " " "	10 MU. HOLLINGTON
24	24. 2. 53	RE523	" " " "	20 MU. ASTON DOWN
25	15. 2. 53	RE515	" " " "	20 MU. ASTON DOWN
26	7. 3. 53	SX938	" " " "	RAF MANBY
27	9. 4. 53	RE115	LANCASTER G.R. III	20 MU. ASTON DOWN
28	10. 4. 53	RF483	LINCOLN B. MK. 2	5 MU. KEMBLE
29	12. 4. 53	MM170*	YORK C. MK. I	RAF DUCKHURST DOWN
30	18. 4. 53	RE507	LINCOLN B. MK. 2	20 MU. ASTON DOWN
31	28. 4. 53	MM132* (RE150) (RE150)	YORK C. MK. I	RAF ABINGDON
32	1. 5. 53	B-003	LINCOLNIAN Greyd/Sud	ARGENTINE
33	8. 5. 53	RF505	LINCOLN B. MK. 2	20 MU. ASTON DOWN
34	10. 5. 53	RE521	" " " "	20 MU. ASTON DOWN
35	6. 7. 53	RF476	" " " "	15 MU. WROUGHTON
36	9. 7. 53	SW265	" " " "	38 MU. BLANDFORD
37	23. 7. 53	SW183	LANCASTER G.R. III	38 MU. BLANDFORD
38	23. 7. 53	RF398	LINCOLN B. MK. 2	15 MU. WROUGHTON
39	15. 8. 53	RE371	" " " "	20 MU. ASTON DOWN
640	23. 8. 53	RF485	" " " "	45 MU. KINROSS
341	8. 10. 53	RE501	" " " "	20 MU. ASTON DOWN
342	8. 11. 53	RF538	" " " "	45 MU. KINROSS
343	13. 11. 53	WS722	METEOR N.F. 14.	RAF BITTONSWELL
344	27. 11. 53	WS718 (RT693)	" N.F. 12.	RAF BITTONSWELL
345	12. 11. 53	FCH-01	LANCASTER MK. VII	DELTA PARIS
646	23. 12. 53	WS717	METEOR N.F. 12.	8 MU. LITTLE RISSINGTON

647	29. 12. 93	WS 718	METEOR N.F. 12
648	29. 12. 93	WS 721	" " "
649	29. 12. 93	WS 720 (NX 737)	" " "
650	2. 1. 94	FCL-02	LANCASTER MK. VII
651	16. 1. 94	RE 280	" G.R. III
652	16. 1. 94	WS 725	METEOR N.F. 14
653	16. 1. 94	WS 730	" " "
654	16. 1. 94	WS 634	METEOR N.F. 12
655	11. 1. 94	WS 680	" " "
656	11. 1. 94	WS 613	" " "
657	16. 1. 94	WS 716	" " "
658	11. 1. 94	WS 685	" " "
659	13. 1. 94	WS 697	" " "
660	16. 1. 94	WS 612	" " "
661	14. 1. 94	WS 736	METEOR N.F. 14.
662	19. 1. 94	WS 622	METEOR N.F. 12
663	19. 1. 94	WS 728	METEOR N.F. 14.
664	19. 1. 94	WS 726	" " "
665	19. 1. 94	WS 733	" " "
666	19. 1. 94	WS 734	" " "
667	19. 1. 94	WD 123	LINCOLN B. MK-2.
668	27. 1. 94	WS 724	METEOR N.F. 14.
669	27. 1. 94	RE 186 (RT 689)	LANCASTER G.R. III
670	28. 1. 94	FCL-03	LANCASTER MK. VII
671	5. 2. 94	WS 727	METEOR N.F. 14
672	5. 2. 94	WS 725	" " "
673	5. 2. 94	WS 682	METEOR N.F. 12.
674	22. 2. 94	WS 636	" " "
675	22. 2. 94	WS 729	METEOR N.F. 14
676	22. 2. 94	WS 732	" " "
677	22. 2. 94	WS 727	" " "
678	22. 2. 94	WS 741	" " "
679	22. 2. 94	WS 746	" " "
680	22. 2. 94	WS 738	" " "

RAF	LITTLE RISSINGTON
RAF	LITTLE RISSINGTON
RAF	LITTLE RISSINGTON
ORF	PARIS
38 MW	SHANDON
15 MW	WROUGHTON
15 MW	WROUGHTON
RAF	LITTLE RISSINGTON
15 MW	WROUGHTON
15 MW	WROUGHTON
15 MW	WROUGHTON
RAF	LITTLE RISSINGTON
RAF	LITTLE RISSINGTON
15 MW	WROUGHTON
15 MW	WROUGHTON
RAF	LITTLE RISSINGTON
RAF	LITTLE RISSINGTON
15 MW	WROUGHTON
15 MW	WROUGHTON
15 MW	WROUGHTON
RAF	BOXHED DOWN
RAF	HANDY
RAF	ST MARGAN
ORF	PARIS
15 MW	WROUGHTON
15 MW	WROUGHTON
15 MW	WROUGHTON
RAF	LITTLE RISSINGTON
15 MW	WROUGHTON
RAF	LITTLE RISSINGTON
RAF	LITTLE RISSINGTON
RAF	LITTLE RISSINGTON
RAF	LITTLE RISSINGTON

681	22	2	54	WS 740	METEOR	N.F. 14	RAF	LITTLE BISSINGTON
682	22	2	54	WS 743	"	"	RAF	LITTLE BISSINGTON
683	22	2	54	WS 739	"	"	RAF	LITTLE BISSINGTON
684	22	2	54	WS 744	"	"	RAF	LITTLE BISSINGTON
685	22	2	54	WS 752	"	"	RAF	LITTLE BISSINGTON
686	22	2	54	WS 699	METEOR	N.F. 12	RAF	LITTLE BISSINGTON
687	22	2	54	WS 608	"	"	ISHU	WROUGHTON
688	22	2	54	WS 678	"	"	ISHU	WROUGHTON
689	22	2	54	WS 600	"	"	ISHU	WROUGHTON
690	22	2	54	WS 746	METEOR	N.F. 14	ISHU	WROUGHTON
691	22	2	54	WS 750	"	"	ISHU	WROUGHTON
692	24	1	54	WS 680	METEOR	N.F. 12	RAF	LITTLE BISSINGTON
693	5	3	54	WS 531	"	"	RAF	LITTLE BISSINGTON
694	5	3	54	WS 538	"	"	RAF	LITTLE BISSINGTON
695	5	3	54	WS 700	"	"	RAF	LITTLE BISSINGTON
696	5	3	54	WS 604	"	"	RAF	LITTLE BISSINGTON
697	5	3	54	WS 753	METEOR	N.F. 14	RAF	LITTLE BISSINGTON
698	5	3	54	WS 751	"	"	RAF	LITTLE BISSINGTON
699	5	3	54	WS 745	"	"	RAF	LITTLE BISSINGTON
700	5	3	54	WS 745	"	"	ISHU	WROUGHTON
701	8	3	54	WS 603	METEOR	N.F. 12	ISHU	WROUGHTON
702	8	3	54	WS 758	METEOR	N.F. 14	ISHU	WROUGHTON
703	8	3	54	WS 759	"	"	RAF	LITTLE BISSINGTON
704	8	3	54	WS 785	"	"	RAF	LITTLE BISSINGTON
705	17	3	54	RF 568 (RT673) ECL-04	LINCOLN B.MK. 2, LANCASTER MK. VII		38 MU	BLANDON
707	17	3	54	WS 735	METEOR	N.F. 14	ORLY	PARIS
708	17	3	54	WS 774	"	"	RAF	LITTLE BISSINGTON
709	13	3	54	WS 786	"	"	ISHU	WROUGHTON
710	13	3	54	WS 760	"	"	ISHU	WROUGHTON
711	15	3	54	WS 747	"	"	ISHU	WROUGHTON
712	15	3	54	WS 742	"	"	RAF	LITTLE BISSINGTON
713	16	3	54	WS 810	METEOR	N.F. 12	ISHU	WROUGHTON
714	16	3	54	WS 759	METEOR	N.F. 14	ISHU	WROUGHTON

715	26	3	54	WS 593	METEOR NF.12	ISMU	WROUGHTON	(22)
716	40	3	54	WS 197	" NF.14	RAF	LITTLE RISSINGTON	
717	51	3	54	WS 805	" NF.12	RAF	LITTLE RISSINGTON	
718	41	3	54	WS 532	" " "	RAF	LITTLE RISSINGTON	
719	31	3	54	WS 636	" " "	ISMU	WROUGHTON	
720	31	3	54	WS 667	" " "	ISMU	WROUGHTON	
721	31	3	54	WS 668	" " "	ISMU	WROUGHTON	
722	6	4	54	WS 627	" " "	RAF	LITTLE RISSINGTON	
723	6	4	54	WS 639	" " "	ISMU	WROUGHTON	
724	6	4	54	WS 686	" " "	ISMU	WROUGHTON	
725	9	4	54	WS 675	" " "	RAF	LITTLE RISSINGTON	
726	8	4	54	WS 674	" " "	RAF	LITTLE RISSINGTON	
727	9	4	54	WS 662	" " "	ISMU	WROUGHTON	
728	21	4	54	WS 623	" " "	RAF	LITTLE RISSINGTON	
729	21	4	54	WS 685	" " "	ISMU	WROUGHTON	
730	21	4	54	WS 681	" " "	RAF	LITTLE RISSINGTON	
731	23	4	54	WS 686	" " "	ISMU	WROUGHTON	
732	20	4	54	WS 673	" " "	ISMU	WROUGHTON	
733	20	4	54	WS 672	" " "	38 MU	LLANDOW	
734	30	4	54	WS 539	" " "	RAF	LITTLE RISSINGTON	
735	30	4	54	ECL. 05	LANCASTER MK. VII	ORNY	PARIS	
736	6	5	54	WS 690	METEOR NF.12	38 MU	LLANDOW	
737	10	5	54	RAF 75	LINCOLN B. MK. 2	20 MU	ASTON DOWN	
738	6	5	54	WS 691	METEOR NF.12	38 MU	LLANDOW	
739	11	5	54	WD 143	LINCOLN B. MK. 2	38 MU	LLANDOW	
740	8	5	54	WS 601	METEOR NF.12	38 MU	LLANDOW	
741	11	5	54	WS 608	" " "	38 MU	LLANDOW	
742	11	5	54	WS 607	" " "	38 MU	LLANDOW	
743	11	5	54	WS 670	" " "	38 MU	LLANDOW	
744	11	5	54	WS 679	" " "	38 MU	LLANDOW	
745	16	5	54	WS 684	" " "	38 MU	LLANDOW	
746	16	5	54	WS 623	" " "	38 MU	LLANDOW	
747	16	5	54	WS 625	" " "	38 MU	LLANDOW	
748	16	5	54	WS 611	" " "	38 MU	LLANDOW	

749	10. 5. 94	WS 678	METEOR	NF 12	38 MU	LANDOW
750	21. 5. 94	WS 692	"	"	38 MU	LANDOW
751	23. 5. 94	WS 685	"	"	38 MU	LANDOW
752	27. 5. 94	WS 606	"	"	38 MU	LANDOW
753	27. 5. 94	WS 666	"	"	38 MU	LANDOW
754	27. 5. 94	WS 633	"	"	38 MU	LANDOW
755	27. 5. 94	WS 618	"	"	38 MU	LANDOW
756	28. 5. 94	WS 639	"	"	38 MU	LANDOW
757	1. 6. 94	WS 637	"	"	38 MU	LANDOW
758	4. 6. 94	WS 148	LINCOLN	B. MK. 2	48 MU	KIDLOSS
759	4. 6. 94	WS 596	METEOR	NF 12	38 MU	LANDOW
760	4. 6. 94	WS 682	"	"	38 MU	LANDOW
761	4. 6. 94	WS 837	"	"	38 MU	LANDOW
762	4. 6. 94	WS 613	"	"	38 MU	LANDOW
763	17. 6. 94	WS 683	"	"	38 MU	LANDOW
764	17. 6. 94	WS 619	"	"	38 MU	LANDOW
765	23. 6. 94	WS 616	"	"	38 MU	LANDOW
766	25. 6. 94	WS 621	"	"	38 MU	LANDOW
767	25. 6. 94	WS 638	"	"	38 MU	LANDOW
768	25. 6. 94	WS 687	"	"	38 MU	LANDOW
769	25. 6. 94	WS 638	"	"	38 MU	LANDOW
770	29. 6. 94	WS 590	"	"	38 MU	LANDOW
771	29. 6. 94	WS 617	"	"	38 MU	LANDOW
772	29. 6. 94	WS 624	"	"	38 MU	LANDOW
773	2. 7. 94	WS 630	"	"	38 MU	LANDOW
774	2. 7. 94	WS 620	"	"	38 MU	LANDOW
775	2. 7. 94	WS 626	"	"	38 MU	LANDOW
776	2. 7. 94	WS 663	"	"	38 MU	LANDOW
777	2. 7. 94	WS 623	"	"	38 MU	LANDOW
778	2. 7. 94	WS 631	"	"	38 MU	LANDOW
779	2. 7. 94	WS 661	"	"	38 MU	LANDOW
780	3. 7. 94	WS 637	METEOR	F: 8	RAS	CHURCH FORTED
781	12. 7. 94	WF 689	"	"	SIF	WATERBENCH
782	12. 7. 94	WS 671	METEOR	NF 12	38 MU	LANDOW





817	17-12-99	WB105	METEOR	F.8	RAF CHURCH FENTON
818	13-12-99	WA898	"	"	RAF DRIFFIELD
819	30-12-99	WA899	"	"	RAF HOOTON PARK
820	3-1-99	WH121	"	T.7	RAF DRIFFIELD
821	3-1-99	WA766	"	F.8	RAF BISHOP HILL
822	11-1-99	VW453	"	T.7	RAF DRIFFIELD
823	1-2-99	VZ524	"	F.8	RAF HORSHAM
824	1-2-99	WH170	"	T.7	RAF DRIFFIELD
825	3-2-99	WA966	"	F.8	RAF LECONFIELD
826	4-2-99	WA870	"	T.7	RAF NORTH WEARD
827	16-2-99	WB826	SHACKLETON M.R.1A		38000 LEARNDALE
828	16-2-99	WF794	METEOR	T.7	RAF WORKSOP
829	28-2-99	VZ545	"	F.8	RAF WEST HALLING
830	1-3-99	WA559	"	T.7	RAF WERYTOP
831	9-3-99	WL453	"	T.7	RAF WORKSOP
832	10-3-99	RE395	LINCOLN B.MK.2		RIGHT REVENUE - PRODUCT DESIGN
833	25-3-99	WE863	METEOR	F.8	RAF TANGMERE
834	18-3-99	WE878	"	F.8	RAF WATER BEACH
835	4-3-99	WE853	"	F.8	RAF BISHOP HILL
836	18-3-99	WH112	"	T.7	RAF WESTON ZONLAND
837	28-3-99	WH184	"	T.7	RAF WESTON ZONLAND
838	31-3-99	VZ482	"	F.8	RAF WATER BEACH
839	31-3-99	VZ514	"	F.8	RAF TANGMERE
840	6-4-99	WE899	"	T.7	RAF DRIFFIELD
841	6-4-99	WE861	"	"	RAF DRIFFIELD
842	7-4-99	WK811	"	F.8	RAF TANGMERE
843	23-4-99	WA794	"	"	RAF CHURCH FENTON
844	21-4-99	WA832	"	T.7	RAF WORKSOP
845	22-4-99	WL344	"	"	RAF WORKSOP
846	4-5-99	WE921	"	F.8	RAF BOWDEN
847	20-5-99	WA737	"	T.7	RAF MANDY
848	18-5-99	VZ438	"	F.8	RAF TANGMERE
849	27-5-99	WK726	"	"	RAF CHURCH FENTON
850	27-5-99	RE366	LINCOLN B.MK.2		RAF TARRANT FUSION



985 14. 11. 55 VZ 467  
 986 14. 11. 55 WE 923  
 987 18. 11. 55 WH 733  
 988 12. 12. 55 WA 741  
 989 13. 12. 55 WE 968  
 990 15. 12. 55 VW 482  
 991 16. 12. 55 VZ 505  
 992 16. 12. 55 WA 815  
 993 2. 1. 56 WE 851  
 994 12. 1. 56 WE 760  
 995 12. 1. 56 WE 748  
 996 17. 1. 56 WG 979  
 997 19. 1. 56 WH 371  
 998 19. 1. 56 WE 861  
 999 6. 2. 56 VP 234  
 900 8. 2. 56 WA 863  
 901 8. 2. 56 WH 172  
 902 6. 2. 56 WA 830  
 903 13. 1. 56 WH 318  
 904 13. 1. 56 WH 201  
 905 13. 1. 56 WH 361  
 906 14. 1. 56 VZ 640  
 907 16. 1. 56 WA 871  
 908 1. 3. 56 VW 477  
 909 2. 3. 56 WH 178  
 910 8. 3. 56 WA 888  
 911 20. 3. 56 WA 742  
 912 15. 3. 56 WH 187  
 913 24. 3. 56 WG 893  
 914 26. 3. 56 WH 219  
 915 30. 3. 56 WH 738  
 916 4. 4. 56 WA 740  
 917 5. 4. 56 WH 189  
 918 16. 4. 56 VW 421

METEOR F.8

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SHACKLETON M.R.1 (1st Prod)

METEOR T.7

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SHACKLETON M.R.2

METEOR T.7.

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RAF CHICHESTER

RAF CHICHESTER

RAF BUCKINGTON

RAF MANDY

RAF MANDY

RAF CIPRAS.

RAF BIGGIN HILL

RAF CHURCH FENTAL

RAF LITTLE RISSINGTON

RAF LINTON-ON-OUSE

RAF RINGWAY

RAF DUFFORD

RAF MANDY

RAF LITTLE RISSINGTON

RAF ZANCOMBE DOWN

RAF LITTLE RISSINGTON

RAF LITTLE RISSINGTON

RAF LECONFIELD

RAF MANDY

RAF MANDY

RAF MANDY

RAF LECONFIELD

RAF LINTON-ON-OUSE

RAF LITTLE RISSINGTON

RAF LITTLE RISSINGTON

RAF LITTLE RISSINGTON

RAF WHITSHIRE

RAF LITTLE RISSINGTON

RAF LITTLE RISSINGTON

RAF LITTLE RISSINGTON

RAF LITTLE RISSINGTON

RAF WEST BATHING

RAF LITTLE RISSINGTON

RAF LITTLE RISSINGTON

(27)

319.	26. 4. 56	RESOS	LINCOLN B. MK. 2	RAF	DEFFORD
320	26. 4. 56	WH428	METEOR T-7	20MU	ASTON DOWN
321	26. 4. 56	WH413	" "	20MU	ASTON DOWN
322	1. 5. 56	VP234	SHACKLETON MR. 1. (1st Rd)	CRD	WOODFORD
323	2. 5. 56	SX930	LINCOLN B. MK. 2.	CRD	WEST FROUGH
324	3. 5. 56	WH345	METEOR T-7	CRD	WEST RATHMAN
325	10. 5. 56	WF701	" "	RAF	LITTLE RISHINGTON
326	10. 5. 56	WA801	" "	RAF	CHURCH FENTON
327	14. 5. 56	VW457	" "	RAF	FILTON
328	16. 5. 56	WL460	" "	RAF	LITTLE RISHINGTON
329	8. 6. 56	VW415	" "	20MU	BLANDOW
330	12. 6. 56	WA802	" "	RAF	PENARFEL
331	12. 6. 56	WF735	" "	12MU	KIRKBRIDE
332	4. 7. 56	WA669	" "	12MU	KIRKBRIDE
333	4. 7. 56	WA537	" "	12MU	KIRKBRIDE
334	4. 7. 56	WF847	" "	20MU	BLANDOW
335	19. 7. 56	WA672	" "	RAF	CHURCH FENTON
336	6. 7. 56	VW451	" "	20MU	BLANDOW
337	12. 7. 56	WB949	" "	12MU	KIRKBRIDE
338	16. 7. 56	WA591	" "	12MU	KIRKBRIDE
339	30. 8. 56	WL403	" "	12MU	KIRKBRIDE
340	4. 9. 56	WH182	" "	12MU	KIRKBRIDE
341	13. 9. 56	VW480	" "	20MU	ASTON DOWN
342	13. 9. 56	WH175	" "	20MU	ASTON DOWN
343	16. 9. 56	WH358	" "	12MU	KIRKBRIDE
344	3. 10. 56	WH191	" "	12MU	KIRKBRIDE
345	8. 10. 56	WH166	" "	12MU	KIRKBRIDE
346	6. 11. 56	WH800	SHACKLETON MR. 2	WQA	MALTA
347	14. 11. 56	WB388	METEOR T-7.	20MU	ASTON DOWN
348	15. 11. 56	WA657	" "	12MU	KIRKBRIDE
349	13. 12. 56	WA538	" "	15MU	KIRKBRIDE
350	2. 1. 57	WA661	" "	15MU	KIRKBRIDE
351	3. 1. 57	WEA53	" "	15MU	KIRKBRIDE
352	12. 1. 57	VP252	SHACKLETON MR. 1.	ESA	BOSCOMBE DOWN

953	18. 2. 57	WR858	SHACKLETON M.R.2	RAF LUGA	MALTA
954	15. 6. 57	WR819	" T.4. <del>MR.1A Conversion</del>	13MU	ALDERGROVE
955	20. 6. 57	VP259	" M.R.1.	23MU	ALDERGROVE
956	5. 7. 57	WR973	" M.R.3.	CSA	BOSCOMBE DOWN
957	1. 8. 57	WR837	" T.4. <del>MR.1A Conversion</del>	23MU	ALDERGROVE
958	9. 8. 57	VL770	AVRO VULCAN (1st Photo)	RAF LUGA	HUCKNALL
959	9. 8. 57	WL787	SHACKLETON M.R.2.	RAF LUGA	MALTA
960	7. 9. 57	WR6511	" T.4. <del>MR.1A Conversion</del>	13MU	ALDERGROVE
961	20. 10. 57	WR831	" T.4. Conversion	23MU	ALDERGROVE
962	4. 11. 57	RF664	LINCOLN B.MK.2.	10MU	HILLYINGTON
963	19. 11. 57	WL787	SHACKLETON M.R.2	RAF LUGA	MALTA
964	26. 11. 57	WR6527	" T.4. <del>MR.1A Conversion</del>	23MU	ALDERGROVE
965	3. 12. 57	WR6844	" T.4. Conversion	13MU	ALDERGROVE
966	17. 1. 58	XA805	VULCAN B.MK.1.	CRD	WOODFORD
967	13. 2. 58	WR847	SHACKLETON <del>MR.1A</del> T.4. Conversion	13MU	ALDERGROVE
968	21. 2. 58	WR833	" MR.2 (Prototype)	CSA	BOSCOMBE DOWN
969	6. 3. 58	VP254	" M.R.1. (1st Prod)	13MU	ALDERGROVE
970	11. 3. 58	WR832	" T.4. <del>MR.1A Conversion</del>	23MU	ALDERGROVE
971	3. 4. 58	VP203	" T.4. <del>MR.1A Conversion</del>	23MU	ALDERGROVE
972	8. 5. 58	WR827	" M.R.1A.	13MU	ALDERGROVE
973	22. 5. 58	XA801	VULCAN B.MK.1.	RAF	WADDINGTON
974	8. 6. 58	WR834	SHACKLETON M.R.1A	13MU	ALDERGROVE
975	20. 6. 58	XA831	VULCAN B.MK.1.	CRD	WOODFORD
976	18. 7. 58	WR836	SHACKLETON M.R.1A	13MU	ALDERGROVE
977	30. 7. 58	WR6525	" T.4. Conversion	13MU	ALDERGROVE
978	11. 9. 58	WR872	" M.R.3.	CSA	BOSCOMBE DOWN
979	8. 9. 58	VP291	" M.R.1.	13MU	ALDERGROVE
980	12. 9. 58	VP238	" M.R.1.	CSA	BOSCOMBE DOWN
981	23. 1. 59	RE417	LINCOLN B.MK.2.	20	MURSTON DOWN
982	3. 10. 58	WR825	SHACKLETON M.R.1A:	13MU	ALDERGROVE
983	7. 11. 58	WR818	"	23MU	ALDERGROVE
984	20. 10. 58	WR829	"	13MU	ALDERGROVE
985	21. 11. 58	VP288	" M.R.1.	23MU	ALDERGROVE
986	11. 12. 58	VP282	"	13MU	ALDERGROVE

Re-number  
from here

987	28.1.59	WL 734	SHACKLETON	MR. 1A	13 MU. ALBERGROVE	3
988	10.2.59	WL 733	"	MR. 2	MALTA	1st 1st
989	11.2.59	WL 732	"	MR. 1A	"	1st 1st
990	11.3.59	WL 734	"	MR. 2	GIBRALTAR	
991	17.3.59	WL 736	"	MR. 1A	ALBERGROVE	
992	6.4.59	WL 735	"	MR. 2	BAR BALLYKELLY	
993	14.4.59	WL 736	"	"	MALTA	
994	5.5.59	WL 732	"	"	ST. MARGAN	
995	27.5.59	WL 731	"	MR. 2	MALTA	
996	5.6.59	WL 735	"	"	ST. MARGAN	
997	9.7.59	WL 733	"	"	BALLYKELLY	
998	15.7.59	WL 733	"	T. 4. Phase II	BOSCOMBE DOWN	
999	23.7.59	WL 735	"	MR. 2	BALLYKELLY	
1000	28.8.59	WL 735	"	"	ST. MARGAN	
1001	8.9.59	WL 730	"	"	ST. MARGAN	
1002	12.9.59	WL 733	"	MR. 2	BOSCOMBE DOWN	C.S.A.
1003	2.10.59	WL 737	"	MR. 2	BALLYKELLY	
1004	9.10.59	WL 735	"	"	MALTA (ST. MARGAN)	
1005	10.11.59	WL 735	"	"	MALTA VIA	
1006	29.10.59	WL 737	"	"	ST. MARGAN	
1007	4.12.59	WL 741	"	"	BALLYKELLY	
1008	15.12.59	WL 731	"	"	ST. MARGAN	
1009	15.1.60	WL 751	"	"	BALLYKELLY	
1010	20.1.60	WL 737	"	"	BALLYKELLY	
1011	22.2.60	WL 733	"	"	BALLYKELLY	
1012	29.2.60	WL 733	"	"	MALTA (ST. MARGAN)	
1013	22.3.60	WL 735	"	"	ADEN (VIA ST. MARGAN)	
1014	23.3.60	WL 732	"	MR. 3	BOSCOMBE C.S.A.	
1015	31.3.60	WL 733	"	MR. 2	GIBRALTAR	
1016	14.4.60	WL 730	"	"	GIBRALTAR	
1017	29.4.60	WL 732	"	"	GIBRALTAR	
1018	31.5.60	WL 732	"	"	ADEN H.Q. B.F.A.P.	
1019	31.5.60	WL 732	"	"	ADEN	
1020	23.6.60	WL 734	"	"	BALLYKELLY	

1021	12.7.60	WR 586	SHACKLETON	MR 2	GIBRALTAR	(31)
1022	19.7.60	WR 959	"	"	ADEN VIA ST. MARGA.	
1023	1.8.60	WR 960	"	"	COCHIN.	
1024	15.9.60	WR 784	"	"	ST. MARGA.	
1025	17.9.60	WR 854	"	MR 1A.	SINGAPORE VIA ST. MARGA.	
1026	7.10.60	WR 737	"	MR 2.	ST. MARGA. (42 SQ.)	
1027	17.10.60	WR 958	"	"	ST. MARGA. (..)	
1028	15.11.60	WR 955	"	"	ST. MARGA.	
1029	10.12.60	VP 291	"	MR 1.	SINGAPORE	
1030	12.12.60	WR 795	"	MR 2.	MALTA.	
1031	13.1.61	WR 555	"	MR 1A.	SINGAPORE	
1032	10.1.61	WR 788	"	MR 2.	DUNKELLY.	
1033	31.1.61	WR 972	"	MR 3.	ROSCOMBE DOWN.	
1034	3.2.61	WR 797	"	MR 2	DUNKELLY. (20. SQ.)	
1035	12.2.61	WR 791	"	"	DUNKELLY.	
1036	2.3.61	WR 884	"	"	DUNKELLY.	
1037	10.3.61	WR 740	"	"	MALTA.	
1038	6.4.61	WR 956	"	"	MALTA.	
1039	18.4.61	WR 739	"	"	DUNKELLY.	
1040	3.5.61	WR 788	"	"	MALTA.	
1041	24.5.61	WR 961	"	"	MALTA.	
1042	1.6.61	WR 969	"	"	DUNKELLY.	
1043	27.6.61	WR 967	"	"	MALTA.	
1044	1.8.61	WR 532	"	"	GIBRALTAR.	
1045	30.8.61	WR 788	"	"	GIBRALTAR.	
1046	1.9.61	WR 558	"	"	ROSCOMBE DOWN.	
1047	14.9.61	VP 255	"	MR 1.	ROSCOMBE DOWN.	
1048	20.9.61	WR 826	"	T. 4 MR 1A Conversion	KINLOSS.	
1049	29.9.61	WR 849	"	T. 4 MR 1A Conversion	KINLOSS	
1050	18.10.61	WR 953	"	MR 2.	BOSCOMBE. MOD 788	Return from h
1051	27.10.61	WR 747	"	"	ADEN.	
1052	3.11.61	WR 820	"	T. 4 MR 1A Conversion	KINLOSS.	
1053	11.11.61	WR 822	"	T. 4 MR 1A Conversion	KINLOSS.	
1054	28.12.61	WR 758	"	MR 2.	MALTA.	
1055	30.1.62	WR 865	"	T. 4 MR 1A Conversion	KINLOSS.	



32

1055	1. 2. 62	WL789	SHACKLETON MR. 2.	GIBRALTAR
1056	1. 2. 62	WL744	" "	ADEN.
1057	27. 2. 62	WL703	" "	BANKVELLY.
1058	7. 3. 62	WR762	" "	ADEN
1059	8. 3. 62	VM394	ANSON C. MK 19. Sr 2.	BOVINGDON.
1060	31. 3. 62	WL786 WEST	SHACKLETON MR. 2.	CHANGI (F.A.F.)
1061	27. 3. 62	WL751	" "	BANKVELLY.
1062	7. 4. 62	TR229	ANSON C. MK 19. Sr 1.	BOVINGDON
1063	4. 5. 62	WL786	SHACKLETON MR. 2.	CHANGI. F.A.F.
1064	8. 5. 62	WR553	" "	CHANGI. F.A.F.
1065	11. 5. 62	VR519	ANSON C. MK 19. Sr 2.	BOVINGDON
1066	18. 5. 62	XF701	SHACKLETON MR. 3.	BOVINGDON <small>Shack. 3.</small> BOVINGDON C.S.A.
1067	22. 5. 62	VM394	ANSON C. MK 19. Sr 2.	BOVINGDON.
1068	29. 5. 62	WL790	SHACKLETON MR. 2.	HQ. F.A.F.
1069	29. 5. 62	WL742	" "	BANKVELLY.
1070	14. 6. 62	VM324	ANSON C. MK 19. Sr 2.	WYTON.
1071	22. 6. 62	WL750	SHACKLETON MR. 2.	BANKVELLY.
1072	27. 6. 62	WR954	" "	CHANGI. F.A.F.
1073	24. 7. 62	WR759	" T.4. C. <del>MR. 2.</del> <small>Compassion</small>	BOVINGDON A.B.A.F.
1074	1. 8. 62	WR520	" MR. 2.	CHANGI. F.A.F.
1075	17. 8. 62	WR558	" "	BANKVELLY.
1076	29. 8. 62	XF701	" MR. 3.	BOVINGDON
1077	3. 10. 62	WR510	" T.4 Phase II <del>MR. 3A</del> <small>Compassion</small>	KINROSS
1078	19. 9. 62	WR553	" MR. 2.	HANGER C.S.A. Phase 3
1079	17. 10. 62	WR960	" "	HANGER C.S.A. Phase 3
1080	15. 10. 61	WR933	" "	BOVINGDON C.S.A.
1081	25. 1. 63	WR979	" MR. 3.	ST. MARGAN.
1082	30. 1. 63	WL739	" MR. 2.	LANCAIR C.S.A.
1083	28. 2. 63	WL737	" "	WOODFORD C.S.A.
1084	18. 2. 63	YP293	" MR. 4. T.4.	ALBERGROVE.
1085	12. 3. 63	WR980	" MR. 3.	ST. MARGAN.
1086	8. 4. 63	UR753	" MR. 2.	GIBRALTAR 224 SAW.
1087	9. 4. 63	WR977	" MR. 3.	ST. MARGAN
1088	3. 5. 63	YP288	" MR. 1.	ALBERGROVE 23 M.O.

1089	15.5.63	WR983	SHACKLETON	MR.3	ST. MAWGAN
1090	16.5.63	WR759	"	MR.2	BOSCOMBE Down
1091	17.5.63	WR978	"	MR.3	ST. MAWGAN
1092	18.5.63	XF707	"	"	ST. MAWGAN
1093	19.5.63	WR976	"	"	BOSCOMBE C.S.A.
1094	20.5.63	XF708	"	"	PROCTOR PAP T.I.
1095	21.5.63	WR986	"	"	KINLOSS
1096	22.5.63	WR959	"	MR.2	KINLOSS
1097	23.5.63	XF709	"	MR.3	BALLYKELLY
1098	24.5.63	XF710	"	"	KINLOSS
1099	25.5.63	XF730	"	"	KINLOSS
1100	26.5.64	WR953	"	MR.2	ST. MAWGAN
1101	27.5.64	WR797	"	"	ST. MAWGAN
1102	28.5.64	WR972	"	MR.3	BOSCOMBE C.S.A.
1103	29.5.64	XF702	"	"	FRANKBURNHAM C.S.A.
1104	30.5.64	WR974	"	"	BOSCOMBE Down C.S.A.
1105	31.5.64	XF702	"	"	ST. MAWGAN (Phase 3)
1106	1.6.65	XF703	"	"	ST. MAWGAN (Phase 3)
1107	2.6.65	WR975	"	"	ST. MAWGAN (Phase 3)
1108	3.6.65	WR973	"	"	ST. MAWGAN (Phase 3) & V.P.
1109	4.6.65	WR985	"	"	WOODFORD
1110	5.6.65	XF705	"	"	ST. MAWGAN (Phase 3)
1111	6.6.65	XF700	"	"	Redoubt - St. Mawgan
1112	7.6.65	WR976	"	"	ST. MAWGAN
1113	8.6.65	WR971	"	"	ST. MAWGAN
1114	9.6.65	XF704	"	"	ST. MAWGAN
1115	10.6.65	WR990	"	"	KINLOSS
1116	11.6.65	WR974	"	"	BOSCOMBE (from TRINITY)
1117	12.6.65	WR959	"	"	KINLOSS
1118	13.6.65	WR981	"	"	KINLOSS
1119	14.6.65	WR981	"	MR.1A	ST. MAWGAN
1120	15.6.65	WR984	"	MR.3	KINLOSS
1121	16.6.65	WR986	"	MR.2	BOSCOMBE Down
1122	17.6.65	WR984	"	MR.1A	ST. MAWGAN

Remains from 1100

1124	5.10.65	WR979	SHACKLETON MR.3.	KINLOSS	(34)
1125	29.10.65	WR983	"	KINLOSS	
1126	12.11.65	WR982	"	KINLOSS	
1127	26.11.65	WR978	"	ST. MAWGAN	
1128	21.12.65	XF706	"	ST. MAWGAN	
1129	15.12.65	WR960	MR.2.	BOSCOMBE D.	
1130	5.1.66	XF707	MR.3	ST. MAWGAN	
1131	9.3.66	XF708	"	KINLOSS	
1132	30.3.66	WR980	"	KINLOSS	
1133	26.4.66	XF701	"	KINLOSS	
1134	3.5.66	WR977	"	ST. MAWGAN	
1135	12.8.66	WR984	MR.2.	FARNBOROUGH	
1136	25.5.66	WR975	MR.3	KINLOSS	
1137	27.5.66	XF730	MR.3.	ST. MAWGAN	
1138	27.6.66	WR988	"	BALLYKELLY	
1139	29.7.66	WR801	MR.2.	BALLYKELLY MK.2	
1140	1.8.66	XF709	MR.3	BALLYKELLY	
1141	1.8.66	WR982	"	KINLOSS	
1142	8.9.66	WL747	MR.2.	BALLYKELLY MK.2	
1143	30.9.66	WR990	MR.3	KINLOSS	
1144	30.9.66	WR986	"	BALLYKELLY	
1145	24.10.66	WR976	"	KINLOSS	
1146	10.11.66	WR813	MR.1A	LAWSON T.I.	
1147	11.11.66	XF728	MR.3	LAWSON T.I.	
1148	30.11.66	WL738	MR.2.	BALLYKELLY	
1149	16.12.66	WR883	MR.1A	BALLYKELLY	
1150	30.12.66	WR987	MR.3.	BALLYKELLY	
1151	11.1.67	WL793	MR.2	BALLYKELLY	
1152	26.1.67	WL788	"	BALLYKELLY	
1153	6.2.67	XF708	MR.3.	BALLYKELLY	
1154	28.2.67	WR855	MR.2	BALLYKELLY	
1155	10.2.67	WL745	"	BALLYKELLY	
1156	26.5.67	WR985	"	BALLYKELLY	
1157	5.6.67	WL900	"	BALLYKELLY	

		SHACKLETON MR. 2		
158	6.6.67	WL758	"	BALLYKELLY.
159	15.6.67	WL751	"	BALLYKELLY.
160	26.6.67	WR965	"	BALLYKELLY.
161	2.6.67	WL757	"	ST. MANGAN.
162	15.6.67	WR954	"	ST. MANGAN.
163	2.7.67	WL785	"	ARE. PERSHORE
164	7.7.67	WL795	"	ST. MANGAN.
165	30.7.67	WR963	"	ST. MANGAN.
166	24.8.67	WL786	"	ST. MANGAN.
167	4.9.67	WL790	"	ST. MANGAN.
168	26.9.67	WL741	"	ST. MANGAN.
169	4.10.67	WR961	"	ST. MANGAN.
170	30.10.67	WL786	"	BALLYKELLY.
171	7.11.67	WL758	"	BALLYKELLY.
172	4.11.67	WL739	"	ST. MANGAN (ST. TOWNS)
173	12.1.68	WR956	"	BALLYKELLY.
174	7.2.68	WR960	"	ST. MANGAN.
175	16.2.68	WR952	"	ST. MANGAN.
176	26.2.68	WG558	"	ST. MANGAN.
177	7.3.68	WL787	"	ST. MANGAN.
178	5.4.68	WL750	"	ST. MANGAN.
179	26.4.68	WG554	"	BITESWELL.
180	26.4.68	WR966	"	
181	15.5.68	WR964	"	
182	26.6.68	WR969	"	
183	15.7.68	WB533	"	
184	30.8.68	WR967	"	
185	4.9.68	WL798	"	
4				

(last flight from Avro Langar)