Library Additions

March/April 2001

BOOKS

General


Aircraft design and construction


The Cost of Your Airplane’s Parasite Drag (as in what you pay at the pump)
and the Advantages of Airplane Drag Reduction: Some Points of Interest to
General Aviation Owners and Pilots. H. Koffeman. AeroDrag Publishing,
The author’s analysis of the causes and problems of aerodynamic drag in
various areas of an aircraft’s design — wing, fuselage, landing gear, engine and tail — and
how improvements can be made to produce a ‘cleaner’, more efficient streamlined
design.

Aviation Medicine

Flight Crew Licensing (Medical). JAR-
FCL 3 — Amendment 1 Joint Aviation
Authorities, PO Box 3000, 2130 KA
Distributed by Rapidoc, Willoughby Road,
Bracknell, Berkshire RG12 8DW, UK.
Irregular pagination.

Avionics and Systems

Ultra-Wideband Radar Technology. Edited by J.D. Taylor. CRC Press (UK) Pocock

The Avionics Handbook. Edited by C.R.
Spitzer. CRC Press (UK) Pocock House, 235
Southwark Bridge Road, London SE1 6LY,
£100. ISBN 0-8493-8348-X.

Aviation Weather Surveillance
Systems: Advanced radar and surface
sensors for flight safety and air traffic
management. IEE Radar Sonar, Navigation
The Institution of Electrical Engineers,
Michael Faraday House, Six Hills Way,
Fundamental aspects of the problems posed
by aviation meteorology and the specific
systems (including Doppler weather radars,
low-level/airborne wind shear detection and
radio-acoustic sounding systems [RASS])
that have been developed to solve them are
described in detail in this text book.

Historical

A Brief History of Flight: From Balloons
to Mach 3 and Beyond. T.A. Heppenheimer.
John Wiley and Sons, Baffins Lane,
Chichester, West Sussex PO19 1UD, UK.
34637-3.

Bristol Aircraft: A Pictorial History of
British Achievement. R. Wall. Halsgrove,
Halsgrove House, Lower Moor Way,
Tiverton Business Park, Tiverton, Devon

Comet and Nimrod. Images of Aviation
series. R. Williams. Tempus Publishing,
The Mill, Brimscombe Port, Stroud,
Numerous photographs illustrate this picto-
rrial history of the design, development and
operations of the Comet jet airliner and its
later Nimrod military conversion.

The U-2 Spylane: Toward the Unknown
— A New History of the Early Years. C.
Pocock. Schiffer Publishing, 4880 Lower
Valley Road, Atglen, PA 19310, USA. 2000.
Distributed by Bushwood Books, 6
Marksbury Avenue, Kew Gardens, Surrey
TW9 4JF, UK. 288pp. Illustrated. £24.95. ISBN
0-7643-1113-1.

Spirit of Hamble: Folland Aircraft. D.N.
James. Tempus Publishing, The Mill,
Brimscombe Port, Stroud, Gloucestershire
The evolution of the aircraft industry in
Britain is reflected in microcosm in this picto-
rrial history of aircraft development at
Hamble — British Marine Aircraft, Folland
Aircraft, Hawker Siddeley, British Aerospace
and Aerostuctures Hamble, now part of
the Dowty Group of companies — which
 concludes with a listing of Folland project
designs.

Aerial Refuelling at Farnborough. B.
Gardner. Air-Britain (Historians), 41
Penhurst Road, Lenham, Tonbridge, Kent
A detailed account of the early British trials
in inflight refuelling undertaken by the
Royal Aircraft Establishment using a
range of aircraft types as tankers.

Early Birds: a short history of how
flight came to Penzance. B. Croydon.
Images of Aviation series. C, D.N.
Royal Aircraft Establishment using a range
of aircraft types as tankers.

and Eastchurch and their role in the pio-
neer days of aviation in Britain is
described in this well-illustrated book.

P-47 Thunderbolt. Classic WWII Aviation
series Vol I. E. Shacklady. Tempus
Publishing, The Mill, Brimscombe Port,
Stroud, Gloucestershire GL5 2QG, UK.
A well-illustrated history of the heavily-
 armoured American fighter which first flew
in its XP-47B prototype form on 6 May 1941
and was to serve with the air forces of
Australia, Brazil, France and the Soviet
Union in addition to the RAF and USAAF.

In Cornish Skies. Images of Aviation series.
P. London. Tempus Publishing, The Mill,
Brimscombe Port, Stroud, Gloucestershire
Over 200 captioned photographs illustrate
this pictorial history of the development of
aviation in Cornwall from Claude Graham-
White’s flight at Pemzance on 23 July 1910
to the current operations of RNNS Culdrose
and RAF St Mawgan.

Production and
Management

Systems Engineering: Principles and
Practice. H.R. Westerman. Artech House, 46
Gillingham Street, London SW1V 1AH, UK.
2000. 381pp. Illustrated. £54. ISBN 1-58053-
182-2.

Rotorcraft

Flight Crew Licensing (Helicopter). JAR-
FCL 2 — Amendment 1 Joint Aviation
Authorities, PO Box 3000, 2130 KA
Distributed by Rapidoc, Willoughby Road,
Bracknell, Berkshire RG12 8DW, UK.
Irregular pagination.

Service Aviation

The History of the Fleet Air Arm: From
Kites to Carriers. B. Finnis. Airlife Publishing,
101 Longden Road, Shrewsbury SY3 9EB,
UK. 2000. 176pp. Illustrated. £24.95. ISBN 1-
84037-182-X.

Flying Units of the RAF: the ancestry,
formation and disbandment of all flying
units from 1912 to 1939. B. Finnis. Airlife
Publishing, 101 Longden Road, Shrewsbury
Condense operational histories of the 3,800
individual flying unitsthat have seen service
under the Royal Flying Corps, Royal Air
Force, RAF CatapultFlights/Squadrons and
joint Army/RAF formations are recorded in
this reference work.
### SYMPOSIA


### REPORTS

**Aerodynamics**

**Dynamics of aircraft and elements**

**Lifting surfaces**

**Testing facilities and techniques**

**Aeroelasticity, flutter and vibration**

**Aerospace engineering**


### PAPERS


**‘Adopt’ a Library Book or Journal**

Since its formation in 1866, the Royal Aeronautical Society has been acquiring aeronautical books, journals and other material which are now housed in its extensive library.

Owing to a combination of age and use, a number of the older volumes in the library are in a worn condition and require rebinding. These books and journals date primarily from pre-1945 and form a major collection of the world’s aeronautical heritage which should be preserved for current and future generations of researchers.

The average cost of rebinding a worn volume is about £30, depending on its size and condition. Anyone who would like to contribute to rebinding costs will have their donation recorded on the bookplate inside the particular rebound volume. If you would like to ‘adopt’ a book or journal (possibly in memory of someone else) please contact Brian Riddle, RAeS Library, 4 Hamilton Place, London W1J 7BQ, UK. Tel: +44 (0)20 7670 4300. Fax: +44 (0)20 7670 4359. e-mail: library@raes.org.uk
Library’s photographic collections

The Royal Aeronautical Society’s Library holds a very extensive photographic/glass lantern slide/lithographic collection of aviation images (over 100,000), from the early days of ballooning through to the modern technology aircraft, missiles and rockets of today, including a number of portrait photographs of aviation personalities. Prints from the collection can be supplied to members and non-members on a fee basis for reproduction in books, journals, CD-ROMs, Internet sites, lecture slides or for use as presentation prints.

All enquiries regarding the Library should be addressed to: Brian Riddle, Librarian, Royal Aeronautical Society, 4 Hamilton Place, London W1J 7BQ, UK. Tel: +44 (0)20 7670 4362. Fax: +44 (0)20 7670 4359. e-mail: brian.riddle@raes.org.uk.

Left: Fuselage of the Serge de Bolotoff triplane under construction at the Les Freres Voisin factory c1908.