Books

**General**


**World Defence Systems 2000.** Edited by Rear Admiral R. Cobbold. Sovereign Publications, Meredith House, 42 Upper Berkeley Street, London W1H 7PL, UK. 2000. 186pp. Illustrated. £25. ISBN 0953412970. The lessons of the Kosovo air campaign, the future of defence security around the world, resource accounting and budgeting (RAB) and the globalisation of defence industries are the subjects reviewed over a number of concise articles in this volume.


**Air Transport**


**McDonnell Douglas DC-10. Great Airliners series Vol 6.** T. Waddington. World Transport Press, PO Box 521238, Miami, FL 33152-1238, USA. 144pp. $27.95 plus $6.95 postage/packing. Illustrated. ISBN 1-892437-04-X. Over 300 colour photographs illustrate this history of the tri-jet airliner which, through its numerous variants, has been in airline service almost 30 years. The volume concludes with a detailed production list.


**Flight Crew Licensing (Aeroplane). JAR-FCL 1 — Amendment 1.** Joint Aviation Authorities, PO Box 3000, 2130 KA Hoofddorp, The Netherlands, 2000. Distributed by Rapidoc, Willoughby Road, Sydney.
Avionics and Systems


Terrestrial radio navigation systems, ARINC’s Air/Ground Test Station (AGTS) and the Aviation Weather Information (AWIN) programme are among the subjects reviewed in the latest edition of this overview of recent developments in flight-deck technology.


Propulsion


A well-illustrated account of the origins, design and development of the RB109 Tyne turboprop.

Service Aviation


First published in 1983, this book records in detail the failure of American heavy bomber forces against the Messerschmitt aircraft factory at Regensburg and the ball-bearing factories at Schweinfurt, which proved to be a turning point in the strategic offensive against Germany.

First published in 1980, this is a detailed account of the devastating Allied aerial offensive against the German city of Hamburg.


Based on the recollections of many who were involved, this is a detailed account of the 39 days of Spitfire operations from Malta during 1943, which culminated in the invasion of Sicily, the beginning of the end of the Axis empire in the Mediterranean.


A re-examination of the operations of Bomber Command during WW2 and of the men who led it.

SYMPOSIA


PAPERS


REPORTS

Aerodynamics


The effect of transition and turbulence stress anisotropies on the flow over a delta wing is studied.


‘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


Combustion


Electrical engineering and electronics

Fatigue


Fatigue life prediction and load cycle elimination during spectrum loading. J. Schön and A. Blom. FFA TN 2000-46. June 2000. The objective was to predict fatigue life of composites for arbitrary load spectra from constant amplitude data.

Spectrum fatigue of composite bolted joints. J. Schön and T. Nyman. FFA TN 2000-47. June 2000. Tests are reported on double-lap configurations with six bolts at load ratios of -0.2 and -0.5.

Fatigue testing and buckling characteristics of impacted composite specimens. L.G. Melin et al. FFA TN 2000-48. June 2000. Tests were at stress ratios of -1 and -5, and buckling occurred in the impact area created by a radiused drop tool.

Fluid mechanics

History

Instrumentation and displays

Safety

Strength analysis

Testing facilities and techniques

UK Patent Applications
