Books


The latest edition of this major reference work for the aerospace industry records the contact addresses/numbers of thousands of companies serving the aerospace industry indexed by product/service in five languages (English/French/German/Italian/Spanish).


Numerous worked examples supplement the text of this introductory textbook to the basic principles and applications of the first and second law of thermodynamics, entropy and heat transfer.

Aerodynamics


Various authors contribute to this overview of the current state of research in differing applications of fluid mechanics including turbulence, magnetohydrodynamics, solidification and geological/oceanic/meteorological/medical studies.


Air Law


Aircraft design and construction

Aircraft Conceptual Design Synthesis


Aircraft lighting systems, upholstery design and cabin upgrades are among the subjects reviewed in the latest edition of this compilation of concise articles surveying the latest developments in aircraft interior design and furnishings.

Large Aeroplanes. JAR-25 — Change 15 Joint Aviation Authorities, PO Box 3000, 2130 KA Hoofddorp, The Netherlands. 2000. Distributed by Rapidoc, Willoughby Road, Bracknell, Berkshire RG12 8BW, UK. Irregular pagination.

Avionics and Systems


Night vision goggles, VDL datalink mode 4 and ARINC's Aircraft Communications Addressing and Reporting System (ACARS) are among the areas reviewed in the latest edition of this compilation of articles surveying technology trends in avionic systems.

Theory and Practice of Radar Target Identification


Developments in surface movement advisory systems, LORAN-C, ADS-B and CNS are among the subjects discussed in the latest edition of this compilation of concise articles.

Radar Essentials: Selected Readings


An informative compilation of 60 articles previously published by the IEEE which review numerous aspects of the history and specialist applications of radar technology.


A pictorial history of the long-serving short haul aircraft — including its Andover and Coastalguarder military versions — which first flew on 24 June 1960 and was eventually to be sold to over 80 different operators in 50 countries.


Some Fundamentals on the Performance of Ramjets with Subsonic and Supersonic Combustion


An illustrated introduction to the organisation, pilots, aircraft, airships and operations of the Royal Flying Corps and Royal Naval Air Service during WW1.


Over 200 photographs illustrate this pictorial history of the RAF's development of airfields around Shropshire, including Cosford, Shawbury, Atcham and Repton.


Memories of life flying Blenheim bombers of No 2 Group Bomber Command and other WW2 operations are recalled in this autobiographical memoir, illustrated throughout by contemporary photographs and maps.

Structures and Materials


First published in 1994, this textbook, based on lectures presented at the Centre for Composite Materials at Imperial College, provides an informative overview of the design criteria, mechanics and engineering applications of low-weight/high-strength reinforced/matrix composites.

‘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 Additions

January/February 2001

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REPORTS

Aerodynamics

Lifting surfaces

Aerospace engineering

Astronomy and geodesy

INES Guide No 2 Normal Galaxies. Compiled by L. Formiggini and N. Brosch. ESA SP-1243, August 2000. Presents all the data collected by the Ultraviolet Imaging Telescope on 274 galaxies in the Society's extensive photographic archive, are reproduced on this CD-ROM.


SYMPOSIA

Sharing Best Practice: Synergy in Rail and Aviation Safety. Proceedings of one-day conference, 18 October 2000. Royal Aeronautical Society, 4 Hamilton Place, London W1J 7BQ, UK. 2000. 31pp. £50 (members); £60 (non-members).


CD-ROMs

Early Aviation: the Pioneering Years through to the First World War (Royal Aeronautical Society Archive series Vol 1). Distributed by Archive Britain, Suite 407, Victory House, Somers Road North, Portsmouth PO1 1PJ, UK. 2000. £11.44 (inclusive of postage/packing). ISBN 1-903129-22-2. Over 400 different photographs and other illustrations of early aircraft, airships and gliders, which have been digitally scanned from original glass plate negatives/lantern slides in the Society's extensive photographic archive, are reproduced on this CD-ROM.

Aeronautical Work of John Stringfellow'. 'The Flight of Birds') and a review of 'The Aeronautical Work of John Stringfellow'.

Space

Navigation Services: Air Transport Economics of Airports and Air


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