**BOOKS**

**General**

Aerospace Testing International — September 2004. Edited by C. Hounsfield. UK & International Press, Abinger House, Church Street, Dorking, Surrey RH4 1DF, UK. 2004. 88pp. Illustrated. £35 (annual subscription). ISSN 1478-2774. The F/A-22 Raptor, Galileo satellite system and testing and inspecting composite materials for the 7E7 are among the subjects reviewed.


**Aerodynamics**


**Flight Testing**


**Guided Flight**


Avionics and Systems


**Historical**


key reference work on the history of the Wright brothers encompassing a year-by-year chronology of their lives and their pioneering flights.


Flying an Ugly Duckling: M. Cambray. Published by the author, Suite 2/4 Flora Close, Burleigh Waters, Queensland, Australia 4220, Australia. 2004. 76pp. Illustrated $18 (Aust). Experiences of life as a Royal Flying Corps observer flying an FE2D in France during WW1 are vividly recalled in these memoirs of 2nd Lieutenant William Charles Cambray, MC.


PROPAULU lgger

The Engine Yearbook 2005. Edited by P. Copping. Aviation Industry Press, 31 Palace Street, London SW1E 5HW, UK. 2004. 116pp. Illustrated. £45. Engine maintenance costs, the V2500, filtration technology, titanium impeller welding and the aero-engine aftermarket are among the subjects reviewed in this publication which concludes with a directory of the world’s major engine overhaul/repair companies and a listing of the major commercial turboprop/turbofan engines.

Symposis


Simulation of On-board Systems: Proceedings of one-day conference 17 September 2004. [Held only on CD-ROM]. Royal Aeronautical Society, London. 2004. Distributed by Eurosput, 3 Henrietta Street, Covent Garden, London WC2E 8LU, UK. £110 (members), £130 (non-members). ISBN 1-85768-104-5. Different aspects of the simulation of aircraft on-board systems, including the integration of these systems into a complete aircraft simulation, are discussed. Simulations for the training of maintenance staff are also included.


Aerospace Engineering
An Earth Explorer Opportunity Mission, due for launch in 2007, will provide global maps of soil and moisture salinity to improve modelling forecasts of the Earth's weather and changing climate.

Proba — ESA's first-ever microsatellite (the size of a large television set) — was launched in 2001 to demonstrate new technologies for future European spacecraft but continues to provide fantastic images of Earth. CHRIS, a payload aboard Proba funded by the British National Space Centre (BNSC), is a compact hyperspectral imager that can return detailed data on the Earth's surface.


Communications

Library Additions is designed to keep members of the Royal Aeronautical Society informed of the latest acquisitions of the library at its headquarters: 4 Hamilton Place, London. The contents include those books, symposia, pamphlets, papers, videos and reports added to the library in the two months prior to publication. A retrospective pdf file of Library Additions, the bi-monthly supplement in The Aerospace Professional is included in the 'Library' section on the Society’s website: http://www.aerosociety.com.

Access to the library is free to individual members, members of Engineering Council institutions as well as employees of member companies of the Royal Aeronautical Society's Corporate Partners scheme, while others pay a small daily access fee.

The Library’s extensive catalogue of books, proceedings, technical reports (since 1980), photographs and slides is available to members via the ‘Library’ section of the Society's website, http://www.aerosociety.com.

For further information about the library or Library Additions please contact:
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‘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 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 4362. Fax: +44 (0)20 7670 4359. e-mail: brian.riddle@raes.org.uk


Aerodynamics
The possibility of increasing the deformation behaviour and thereby the aerodynamic efficiency of high lift flaps through adaptive and passive measures.

A numerical approach for assessing the potential of 4-vortex wakes concerning an alleviation of the wake vortex hazard is presented.

Experimental and numerical study of transitional interactions in hypersonic flow at Mach 5 undertaken on a hollow cylinder-flare model in the ONERA R2Ch wind tunnel.

Electrical Engineering and Electronics

Management
Space project management: Risk management. ECSS-M-00-03B. 16 August 2004.

Radar

Testing Facilities and Techniques

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 current aircraft, missiles and rockets, 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.

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