November/December 2007

Library Additions

BOOKS

General

Over 60 colour and black-and-white photographs illustrate this guide to the evolution of the Library's historically important holdings — and the various collections it incorporates — which trace the development of the pursuit of the dream of flight and the progress of aeronautics, aviation and aircraft/aerospace engineering.


Air Transport


The interior design of the Airbus A380 and the Steel nuclear warhead air-to-ground missile.

Historical

A most detailed account (including individual aircraft histories) of the evolution of the Victor Mk2 which was converted to carry the Avro Blue Steel nuclear warhead air-to-ground missile.


Complementing the earlier compendium of obituaries edited by the late Edward Bishop, this anthology brings together over 100 obituaries of leading service personnel, test pilots and captains of industry among others (mainly compiled by Air Commodore Graham Pitchfork) published during 2001-2007.

A concise largely pictorial survey of the development of the famous multi-role Hawker combat aircraft and its operations during WW2.

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Service Aviation

The History of Dive-Bombing: a Comprehensive History from 1911 Onward. P.C. Smith. Pen & Sword Aviation,
Library Additions is designed to keep members of the Royal Aeronautical Society informed of the latest acquisitions of the Library. 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 of 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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www.aerosociety.com

**REPORTS**

**Aerodynamics**
Freiflug-Experimente zum Ubergang laminar-
 turbulent in einer Tragflugel-geraechsigkeit. A. Seitz. DLR FB 2007-01. 2007. In-flight experiments were conducted with the DLR flying testbed LFU-205 to determine in detail the laminar to turbulent transition — initiated by the appearance of Tollmien-Schlichting waves — of a wing boundary layer.

**Space**


**Thermodynamics**


**Aerospace Engineering**


**Aviation Medicine**

**Communications**

**Data Mining**

Visual Data Analysis in Air Traffic Management. F. Rehm. DLR FB 2007-08. February 2007. A methodology development analysis of the interrelationship between weather data and its effect on the flight duration of aircraft approaching Frankfurt Airport was undertaken.

**Hypersonics**
Einfluss eines Querschubstrahlens un Uber-und Hyperschallstromung. R. Adeli. DLR FB 2007-09. May 2007. A numerical analysis of the modelling of the interaction between a lateral jet and the cross flow around a missile designed for supersonic and hypersonic flight conditions, with particular emphasis on a study of high temperature effects in hypersonic flows.

**Mathematics**

**Materials Science**

**Remote Sensing**

**Safety**

**Space**

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
The Royal Aeronautical Society’s Library holds a very extensive photographic/glass/lanternslide/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. Scanned images 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.