January/February 2013

Library Additions

BOOKS

GENERAL


Using SI units throughout, the latest edition of this useful handbook compilation of engineering and technical data covering materials and structural design (including section properties for solids and shells), mechanical design, aerodynamics, propulsion, orbital mechanics and aircraft combat survivability among other areas.

AIR LAW


AIR TRANSPORT


Numerous captioned photographs illustrate this pictorial history of London Southend Airport from its origins as a WW1 airfield named RFC Rochford through to present times.

AIRWORTHINESS AND MAINTENANCE


Beginning with his service experiences from his initial training at RAF Halton in 1947, the author recalls his long career in the field of aircraft maintenance and engineering support working for a wide variety of aviation companies and airlines around the world including Kuwait Airways Corporation, Hong Kong Aircraft Engineering Company (HKAEC), British Midland Airways, Royal Brunei Airlines and Pan Asia Pacific Aviation Services among others.

FLIGHT TESTING


Originally published in 1956, this is a welcome new edition of this informal memoirs of the author’s experiences as a test pilot during the introduction of the Gloster Meteor and Javelin jet aircraft and his forthright observations on the British aircraft industry at the time.

HISTORICAL


Over 170 colour photographs illustrate this pictorial history of the Piper PA-29 and its many variants (including the PA-32 series) including
licensed overseas production, the prototype of which first flew in January 1960.

**Douglas DC-1/DC-2/DC-3 — Vol 3**  
J Gradidge et al. Air-Britain (Historians) Ltd.  
271pp. Illustrated. £44.95. ISBN

**Victor Boys: True Stories from Forty Memorable Years of the Last V Bomber**  

The experiences of operating the Handley Page Victor through its various variants (B1/B1A/B2/K1/K2) as recalled by the pilots, aircrew and ground staff who were involved.

**A Celebration of a Total Aviation Place: Royal Aeronautical Society — Prestwick Branch 1962-2012 50 Years**  
Royal Aeronautical Society — Prestwick Branch.  
2012. 128pp. Illustrated.

Ayr Flying Corps Camp, the Scottish Aviation Twin Pioneer, Percy Pilcher, David F McIntyre and the evolution of Prestwick Airport are among the subjects discussed in this compilation of illustrated short articles.

**Howard Hughes: an Airman, his Aircraft and his Great Flights**  

An informative well-illustrated review of Hughes’ aviation career, his long-distance flight attempts and his innovative aircraft designs (including the Hughes D-2/D-5 (XF-11)/HK-1 Hercules/HK-4).

**North American XB-70 Valkyrie: a Photo Chronicle**  

A compilation of a number of black-and-white captioned photographs chronicling the development of the famous American bomber aircraft.

**MATHMATICS AND DYNAMICS**


**SERVICE AVIATION**

air operations of the Bristol Blenheim MkIVF as operated by 235, 236, 248 and 254 Squadrons of 11 Group Coastal Command during WW2.

SPACE


Numerous colour and black-and-white photographs and diagrams illustrate this detailed description of the history and design evolution of the famous manned vehicle (ultimately to be manufactured by Boeing) used to explore the Moon, including its navigation/communication/electrical/mobility systems and deployment.


Including over 300 photographs and diagrams, a very detailed and well-illustrated account of the evolution, assembly and operations of the International Space Station (ISS), the largest structure ever to be placed in Earth orbit.

STRUCTURES AND MATERIALS


TRAINING


SYMPOSIA


The creep, fatigue, coatings, mechanical behaviour and other properties of a wide range of superalloys is discussed over the 100 presented papers included in this proceedings.
Endurance flights — where the pilot and technological advances in aircraft design were pushed to their limits — were a key feature of the 'Golden Age of Aviation' during the interwar years of the 1920s and 1930s. These flight attempts — in many cases being sponsored by fuel and oil companies or aircraft and engine manufacturers — attracted a wide range of pilots from those simply seeking fame and fortune to others passionately devoted to promoting aviation and pushing its 'boundaries,' Amelia Earhart (1), Howard Hughes (2), Charles A. Lindbergh (3), Wiley Post (4), Amy Johnson (5), Jim Mollison (6), Sir Alan Cobham (7), Sir Charles Kingsford-Smith (8) and Francis C. Chichester (9) among those pilots who became household names as a result of their successful marathon flights.

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. 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, Chief Librarian, National Aerospace Library, The Hub, Fowler Avenue, IQ Farnborough, Hants GU14 7JP, UK. T +44 (0)1252 701060. F +44 (0)1252 894894. E brian.riddle@aerosociety.com.