


Aeronautical information services provided by states — 93rd edition. ICAO Doc 7383/93. International Civil Aviation Organization, 999 University Street, Montreal, Quebec, Canada, H3C 5H7. 2005. Irregular pagination.


Aviation Medicine


A concise summary of the medical, physiological and psychological factors which affect a pilot’s performance, decision-making and communication.

Avionics and Systems


Flight Simulation


Guided Flight


Avionics


Illustrated throughout with numerous colour and black-and-white photographs, this is a detailed history of the carrier-borne fighter bomber and its variants which first flew on 22 June 1954 and was subsequently used by many air forces around the world.


A welcome new edition of this biography of one of the key pioneers of British aviation, who was also to become a leading yachtsman, which recounts the history of the Sopwith Aviation Company Ltd (which went into voluntary liquidation in 1920 after just eight years of production), H.G. Hawker Engineering Co Ltd and Hawker Siddeley.

1905-2005 High Flyers: a Century of Sporting Achievement in the Air. P. Morath. Fédération Aéronautique Internationale (FAI), Avenue Mon Repos 24, CH-1005 Lausanne, Switzerland. 2005. 221pp. Illustrated. CHF 55. A welcome new edition of this biography of one of the key pioneers of British aviation, who was also to become a leading yachtsman, which recounts the history of the Sopwith Aviation Company Ltd (which went into voluntary liquidation in 1920 after just eight years of production), H.G. Hawker Engineering Co Ltd and Hawker Siddeley.

Fiji’s Aviation Story. M.E. McGreal. Macviti Publications, 1/5 Munstead Place, Auckland 1209, New Zealand. 2004. 344pp. Illustrated. From the first aircraft to fly to Fiji — a Supermarine Channel flying boat in 1921 — this is an informative history of the development of civil and military aviation around the South Pacific islands.

Human Factors


Mathematics and Dynamics


Propulsion


Rotorcraft


Service Aviation


Illustrated throughout by contemporary photographs, this is an informative history of one
French cruise missiles, the Alabama Space and Rocket Center and the history of Soviet ramjets are among the subjects discussed.


PAPERS


Aerodynamics


A new method for the determination of thrust — and thus the aerodynamic drag — of jet-powered aircraft configurations in a wind tunnel is described.

Aerothermodynamics


Aerospace Engineering


Proba — ESAs 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 detailed images of Earth. The Compact High Resolution Imaging Spectrometer (CHRIS), a payload aboard Proba funded by the British National Space Centre (BNSC), can return detailed data on the Earth’s surface.

Proceedings of the 2004 Envisat and ERS Symposium: 6-10 September 2004, Salzburg, Austria [held on CD-ROM]. Compiled by H. Lacoste and L. Ouwehand. ESA SP-572. April 2005. ISBN 92-9092-883-2. 60. Launched in 2002, Envisat is the world’s largest environmental satellite, its ten on board instrument systems recording in high temporal and spatial resolution the processes at work in the seas, on the Earth’s surface and in the atmosphere. The remote sensing satellites ERS 1 and ERS 2, the world’s finest ozone monitoring satellites, were launched in 1991 and 1995 respectively.

Astronomy and Geodesy


Crashworthiness

Contribution au développement des méthodes numériques de traitement des interactions corps durs/corps mou — application au crash, aux collisions aux chocs. G. Portemont. ONERA NT 2005-5. 2005. Available physical and numerical models to evaluate the impact effects of basic sub-structures on water were analysed and developed with different numerical approaches.

REPORTS
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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