BOOKS

General


Aerodynamics

Air Transport


A detailed history of the development of this regional airport from its origins in the pioneering days of aviation, its WW2 transition as RAF Hurn through to its projected future development to enable it to handle two million passengers a year.


Recounts the history of Eastern Airlines from its early operations centred around Eddie Rickenbacker through to its comeback from financial collapse under the leadership of former Apollo astronaut Col Frank Borman.

Airworthiness and Maintenance


Aircraft Type Designators — 34th edition. ICAO Doc 8643/34. International Civil Aviation Organization, 999 University Street, Montreal, Quebec, Canada, H3C 5H7. 2006. Irregular pagination.


Recounts the history of Eastern Airlines from its early operations centred around Eddie Rickenbacker through to its comeback from financial collapse under the leadership of former Apollo astronaut Col Frank Borman.

industry and including an informative listing of aircraft type/engine combinations, this is the latest edition of this detailed directory recording the contact addresses/numbers of the world's major airlines and their fleets and Third Party maintenance companies (cross-indexed by aircraft/engine type serviced).


Avionics and Systems


Concluding with a detailed record of individual aircraft histories, numerous colour photographs illustrate this account of the 30-year history of the evolution and service operations of the Anglo-French collaboratively-designed multi-role strike aircraft.


Over 650 firms in Canada were involved in the Avro CF-105 Arrow fighter aircraft programme. This book provides a detailed account of the evolution of the aircraft, which first flew on 25 March 1958, and the major impact that the programme’s cancellation in February 1959 had on the Canadian aerospace industry thereafter.


Complementing Heinz Conrad’s biography Design for Flight: the Kurt Tank Story (Macdonald, 1960), the career of one of Germany’s leading aircraft designers is reflected in this large-format volume which provides a detailed summary of each of the numerous Focke-Wulf projects he worked on.


The development of rocket propulsion during the 20th century is recounted through the differing roles played by its main protagonists — including Robert H. Goddard, Walter Dornberger, Willy Ley, Hermann Oberth, Wernher von Braun and Theodore von Karman among others — in this informative account.

Engines and Propulsion


The development of rocket propulsion during the 20th century is recounted through the differing roles played by its main protagonists — including Robert H. Goddard, Walter Dornberger, Willy Ley, Hermann Oberth, Wernher von Braun and Theodore von Karman among others — in this informative account.


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Flight Testing

Tests and Trials: A Few Anecdotes of Flight Tests of Handley Page Aircraft during the 1940s. N. Brailsford. Published by the author, Windrush, Battery Lane, Portshead BS20 7JD, UK. 2006. 18pp. Illustrated. The author recalls his experiences as a flight observer on various Halifax and Hermes aircraft.


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Service Aviation


The author’s recollections of his RAF career flying the Gloster Meteor, English Electric Canberra and Vickers Valiant among other aircraft types.

**Structures and Materials**


**Libraries Additions**

**Training**


**REPORTS**

**Aerodynamics**


**Aerospace Engineering**


Developments in optical instruments for space-science, astronomy, remote sensing and microgravity experiments are discussed.

**Astronomy and Geodesy**


The Venus Express planetary orbiter mission is designed to record the composition and dynamics of the Venusian atmosphere and its planetary surface.

**Electronics**


The evolution and trends of key microwave technologies and techniques and the potential impacts of these technologies on future satellite systems both at space and user segment levels is discussed.

**Hypersonics**


A thermal analysis of hypersonic flowfields including its fluid-structure interaction — around body-flaps, using a coupling of the ANSYS finite element code and DLR’s hybrid finite-volume TAU code.

**Lauchers**


In 2008 a Roskosmos Sojyz 2 launcher is due to take off from Europe’s spaceport at Kourou, French Guiana, the first time that a Sojyz launcher has lifted off from anywhere other than Baikonur or Plesetsk.

**Navigation**


Centred around the two GIOVE satellites, its four GalileoSat successors and a later system deployment of a constellation of 30 satellites, Galileo — a joint ESA/EU initiative — will be the first global navigation satellite system geared to civil-user needs.

**Remote Sensing**


The latest advances and applications in radar interferometry (InSAR) from the ERS and Envisat missions are discussed.


**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.

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