
The historical evolution of the process of conceptual aircraft design during the 20th century is analysed through this compilation of case studies of the major contributions to the discipline made by Wilbur and Orville Wright, Frank Sowter Barnwell, Arthur Raymond (Douglas DC-3), R J Mitchell (Supermarine Spitfire), Edgar Schmued (North American P-51 Mustang) and Kelly Johnson.


GUIDED FLIGHT


A detailed technical account of the design (airframe, pneumatic/fuel/ electrical/hydraulic systems, guidance, warhead), launch emplacement, guidance control and launch control area among other aspects of the Douglas Thor ICBM.


A detailed history of the post-war development in Britain of test vehicles, air-tanks/air-to-surface/stand-off guided weapons, missiles, ramjets and hypersonic aircraft project studies, illustrated with numerous photographs and line arrangement diagrams.


A detailed account including site plans/diagrams and photographs of the German V1/V2/A9/A10 rocket launch sites during WW2.


A detailed history of the development of the U-boat bousing bomb used in the famous Operation Chastise Dambusters raid, Highball, Tallboy and the Grand Slam 'earthquake' bomb designed by Barnes Wallis.

HISTORICAL


A history of the short-lived Essex airfield variously known as Loughton Air Park, Loughton Aerodrome or Abingdon Aerodrome which officially opened on 17 June 1933 but was soon to fall into neglect and was closed by the Air Ministry on 25 January 1938.

MATHEMATICS AND DYNAMICS


ROTORCRAFT


A compilation of the real-life experiences of over 14 civil and military helicopter pilots operating helicopters in the most extreme and testing environments.

SERVICE AVIATION


The daily experiences of life as a fighter pilot during the final year of WW1 are vividly recalled via the personal recollections of a number of those who were involved.


A very detailed analysis of the organisation, aircraft, training and flight test establishments within China of the Chinese People's Liberation Army Air Force.

SPACE


Illustrated throughout with numerous colour photographs and other diagrams, an informal anecdotal history of Man's exploration of space, describing what is required to be an astronaut and where future space travel may take us. Includes interviews with Apollo 15 Command Module pilot Alfred M 'Al' Worden and ESA Director General Professor Johann-Dietrich Jan' Woerner.