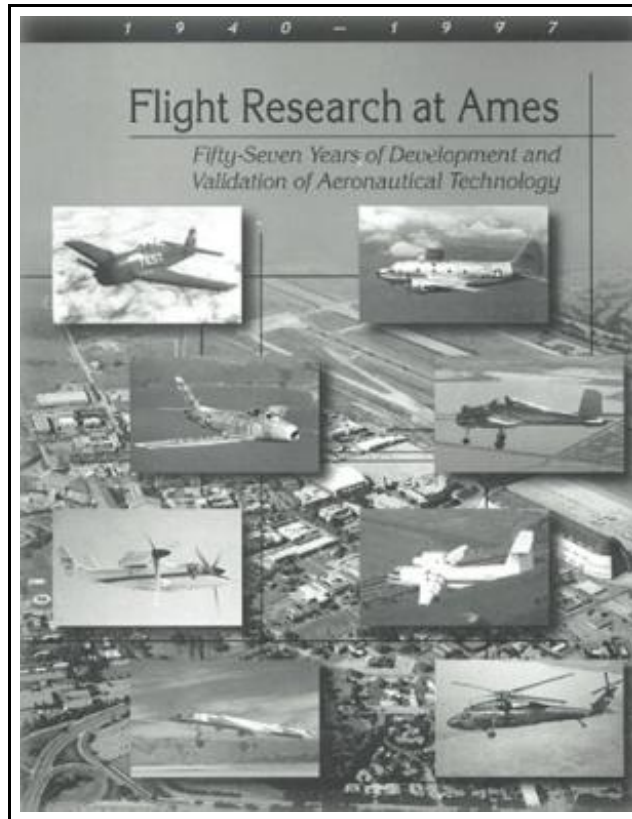


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Createspace, United States, 2014. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.This NASA special publication presents a general overview of the flight research that has been conducted at Ames Research Center over the last 57 years. Icing research, transonic model testing, aerodynamics, variable stability aircraft, boundary layer control, short takeoff and landing (STOL), vertical/ short takeoff and landing (V/STOL) and rotorcraft research are among the major topics of interest discussed. Flying qualities, stability and control, performance evaluations, gunsight tracking and guidance and control displays research are also presented. An epilogue is included which presents the significant contributions that came about as a result of research and development conducted at Ames. Flight research has been an integral and essential part of the missions of, first, the National Advisory Committee for Aeronautics (NACA) and, later, its successor, the National Aeronautics and Space Administration (NASA). The NACA s Ames Aeronautical Laboratory was established at Moffett Field, California, in 1939. In its role as an aeronautical research laboratory, Ames, from its inception, made the most of the linkage between exploratory and developmental testing in its wind tunnels and in flight. The research carried out in flight had numerous technical areas of emphasis over the years, and most of the individual experiments can be categorized accordingly. These areas are identified in the narrative to follow as icing research; transonic model testing; aerodynamics research; flying qualities, stability and control, and performance evaluation; variable stability aircraft; gunsight tracking and guidance and control displays; in-flight thrust reversing and steep approach research; boundary-layer control research; short takeoff and landing (STOL) and vertical and short takeoff and landing (V/STOL) aircraft research; and rotorcraft research. From the earliest days of Ames Aeronautical Laboratory until the creation of NASA, the focus...



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