



Southern California
COOPERATIVE
WIND TUNNEL

Consolidated Dulles, Inc. - Douglas Aircraft Co. Inc.
Lockheed Aircraft Corp. - North American Aviation, Inc.
California Institute of Technology

FIG. 1. Cutaway drawing of Southern California Cooperative Wind Tunnel.

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THE SOUTHERN CALIFORNIA COOPERATIVE WIND TUNNEL

THE articles covering the Southern California Cooperative Wind Tunnel have been prepared by the staff of the tunnel under the supervision of Dr. Clark B. Millikan, Director. The staff who have been primarily responsible for the design of the wind tunnel and its complex components include the following: Dr. C. B. Millikan, Director, Professor of Aeronautics; Dr. A. L. Klein, Associate Professor of Aeronautics; Dr. E. E. Sechler, Associate Professor of Airplane Structures; Dr. N. B. Moore, Curtiss-Wright Corporation; M. Serrurier; P. V. H. Serrell; J. E. Smith; L. G. Fenner; M. de Ferranti; W. Hertenstein; H. F. Richards; A. Fejer; F. M. Graf; J. W. Hill; J. B. Taylor; H. O. Cox; and K. P. Gow.

In addition, members of the California Institute of Technology and cooperating companies' staffs, too numerous to mention, have made essential contributions to the design and successful construction of the laboratory. The problems involved in the construction of many elements of the wind tunnel were of extreme difficulty and required the highest degree of ingenuity, accuracy, and workmanship. The following organizations, which furnished the major components of the project, by their successful solution of these problems, made the completion of the laboratory possible: Consolidated Steel Corporation, Ltd.; Baldwin Locomotive Works; Tate-Emery Company; Westinghouse Electric Corporation; General Electric Company; International Business Machines Corporation; Gay Engineering Corporation of California; Carrier Corporation; Curtiss Propeller Division of Curtiss-Wright Corporation; Wm. C. Crowell Company; The Fluor Corporation, Ltd. The assistance and cooperation of the Light and Power Department, City of Pasadena, in arranging electric power supply, and of the California Consumers Corporation, in furnishing refrigeration for the dehumidifier, contributed greatly to the project.