

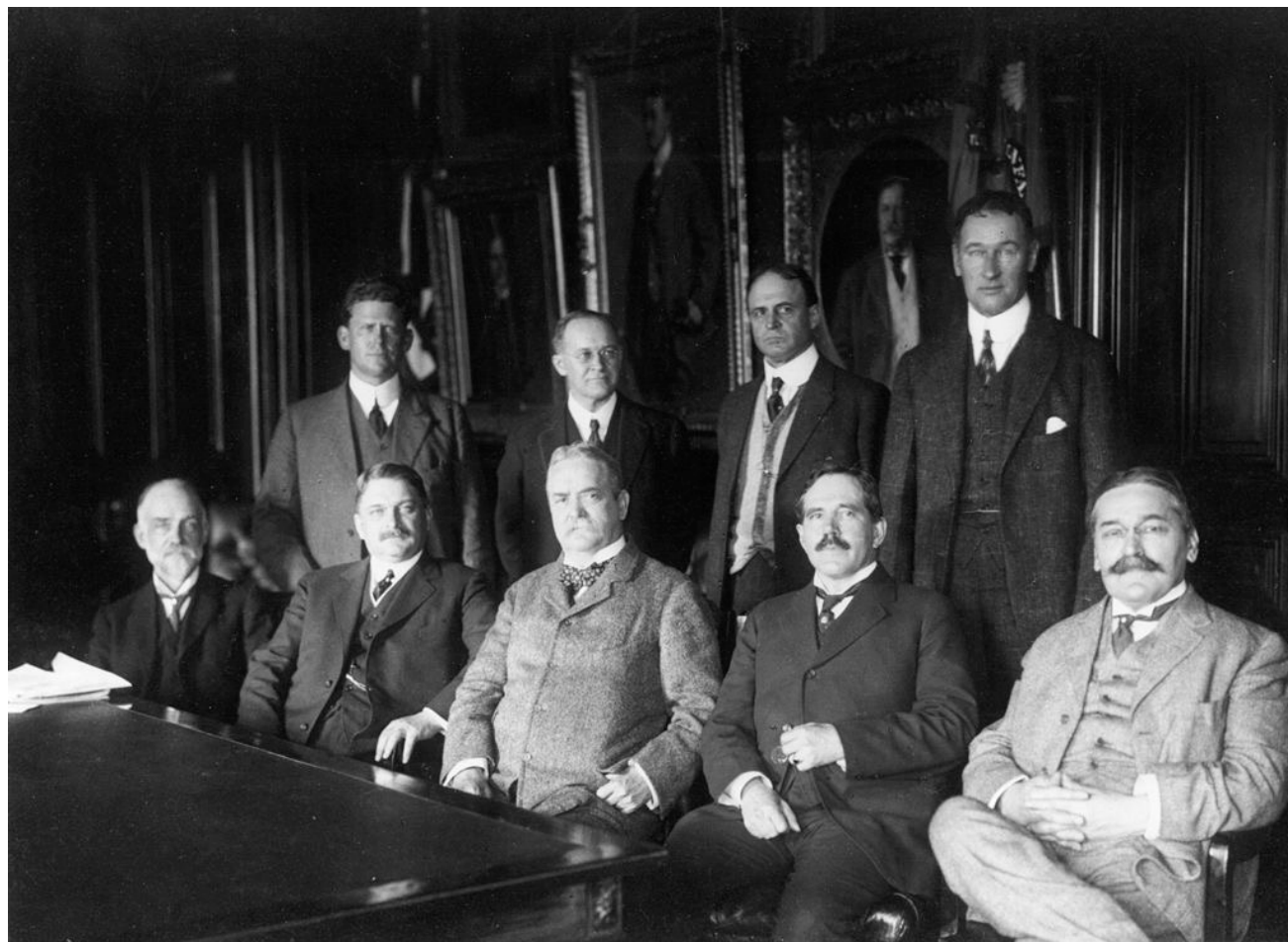






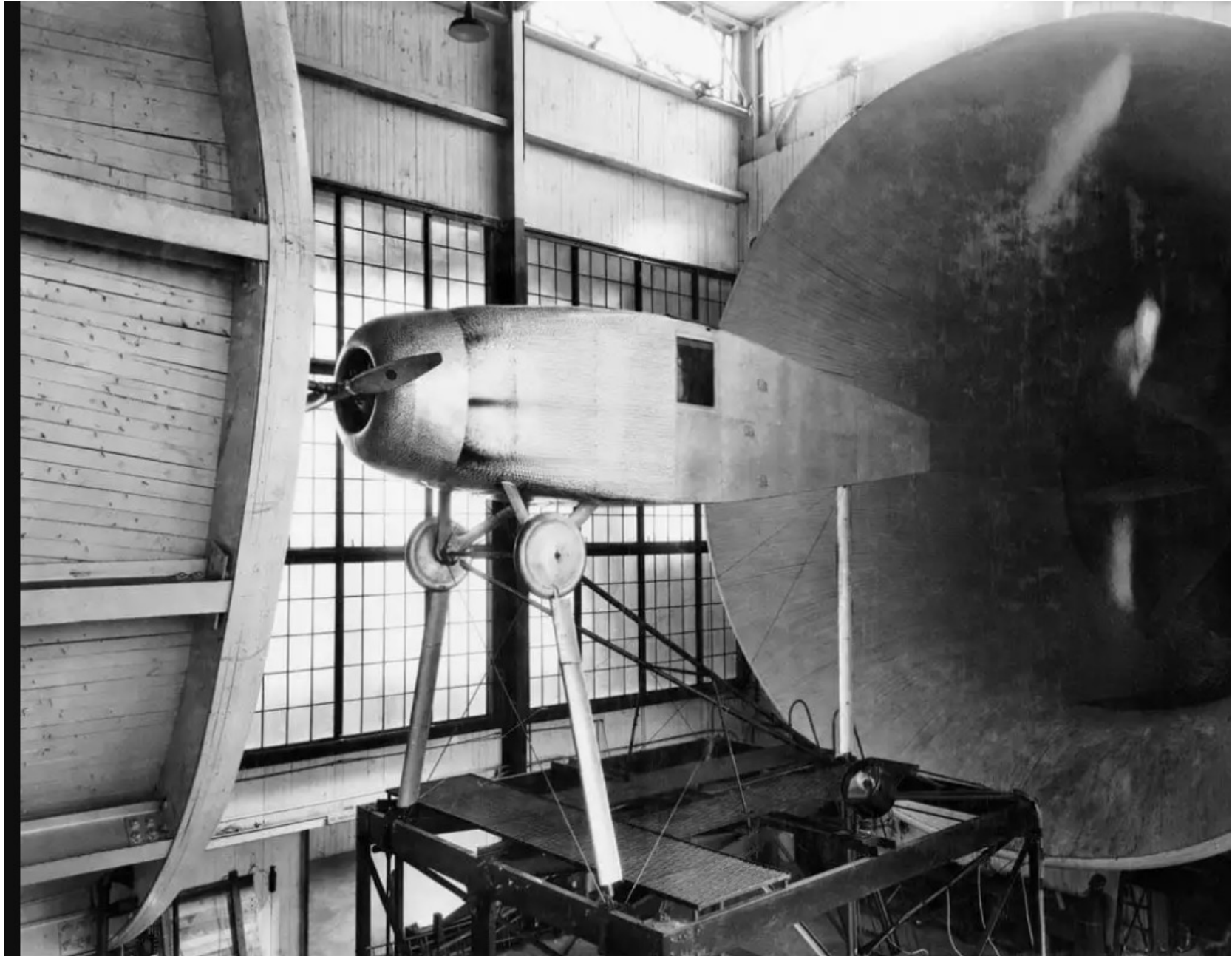
NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS

U.S.A.













(062 - 441 - IFY9 - 30 - 39 - 3:10PX(2 - 3000) C-39

34165





(10-398) (10-1002) (13 APR 45) (100-676-18500) (NEUMÜNSTER) (CONF.)















# NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS

REPORT No. 355

## COMPARATIVE FLIGHT PERFORMANCE WITH AN N. A. C. A. ROOTS SUPERCHARGER TURBOCENTRIFUGAL SUPERCHARGER

# NACA RESEARCH MEMORANDUM

PRELIMINARY REPORT ON A STUDY OF SEPARATED FLOWS  
IN SUPersonic AND SUBSONIC STREAMS

By Dean H. Chapman, Donald M. Kistner,  
and Howard K. Larson

Aerose Aeronaustical Laboratory  
Moffett Field, Calif.

UNIVERSITY OF FLORIDA  
DOCUMENTS DEPARTMENT  
120 MARSTON SCIENCE LIBRARY  
P.O. BOX 117011  
GAINESVILLE, FL 32611-7011 USA

NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS

## WARTIME REPORT

ORIGINALLY ISSUED  
November 1944 as  
Memorandum Report LAK306

CASES OF THE VERTICAL-TAIL LOADS OF A BELL P-63A-1  
PLANE (AAF NO. Ap-60889) IN ACCELERATED ROLLING

MANEUVERS BASED ON FLIGHT TESTS WITH

TWO VERTICAL-TAIL ARRANGEMENTS

By Harold I. Johnson

Langley Memorial Aeronautical Laboratory  
Langley Field, Va.

JPL LIBRARY  
CALIFORNIA INSTITUTE OF TECHNOLOGY

# NACA

WASHINGTON

REPORTS are reprints of papers originally issued to provide rapid distribution of results to an authorized group requiring them for the war effort. They were given a security status that are now unclassified. Some of these reports were not technically reproduced without change in order to expedite general distribution.

# NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS

TECHNICAL MEMORANDUM

No. 1110

ON COMBUSTION IN A TURBULENT FLOW

By N. L. Spalding

Journal of Technical Physics (USSR)  
Vol. XIII, Nos. 5-10, 1943



Washington  
February 1947

UNIVERSITY OF FLORIDA  
DOCUMENTS DEPARTMENT  
120 MARSTON SCIENCE LIBRARY  
P.O. BOX 117011  
GAINESVILLE, FL 32611-7011 USA

# NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS

TECHNICAL MEMORANDUM 1375

ON THE THREE-DIMENSIONAL INSTABILITY OF LAMINAR  
BOUNDARY LAYERS ON CONCAVE WALLS

By H. Görtler

Translation of "Über eine dreidimensionale Instabilität laminarer  
Grenzschichten an konkaven Wänden." Ges. d. Wiss.  
Göttingen, Nachr. a. d. Math., Bd. 2, Nr. 1, 1940.



Washington  
June 1954