BIBLIOGRAPHY OF NACA PAPERS ON ROTATING-WING AIRCRAFT

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A bibliography of unclassified NACA papers on rotating-wing aircraft issued up to January 1952 is presented. The list of papers is subdivided for ready reference under appropriate subject headings, and the titles are listed chronologically within each subject.

INTRODUCTION

Direct contact with designers and research workers in the rotating-wing field has indicated the need for the complete dissemination of the available technical literature. Accordingly, as an aid in obtaining such material and in order to acquaint the rotating-wing industry and the various government agencies charged with the design, evaluation, and procurement of helicopters with the work done by the NACA in the field of rotating-wing aircraft, a bibliography of unclassified NACA papers issued in that field is presented herein.

The list of papers is subdivided for ready reference under appropriate subject headings, and the papers are listed in reverse chronological order within each subject so that the latest information published by the NACA on that subject can be readily ascertained. In general, each title is listed only once under the subject heading that is most directly applicable. In some cases, however, a title is listed more than once, if its interest is important in another field.

The papers are listed under the following subject headings:

I Aerodynamics of Hovering and Vertical Flight

II Aerodynamics of Forward Flight

III Rotor-Blade Motion and Stall Studies

IV Airfoils

V Vibration

VI Stability
VII Landings and Loads
VIII General

PAPER DESIGNATIONS AND STATUS

A key to the NACA paper designations is given as follows:

Rep  Technical Report
TN   Technical Note
TM   Technical Memorandum
MR   Memorandum Report
ARR  Advance Restricted Report
ACR  Advance Confidential Report
RM   Research Memorandum

Papers that are of limited availability are indicated in the Bibliography by use of one, two, or three asterisks with the following significance:

* Copies may be obtained on loan by writing to the NACA or photostats may be purchased directly from the Library of Congress.

** Copies available for reference in the Washington Office library of the NACA or photostats may be purchased directly from the Library of Congress.

*** Copies available for reference in the Washington Office library of the NACA.

BIBLIOGRAPHY

I. Aerodynamics of Hovering and Vertical Flight


II. Aerodynamics of Forward Flight


III. Rotor Blade Motion and Stall Studies


IV. Airfoils


6. Tetervin, Neal: Airfoil Section Data from Tests of 10 Practical Construction Sections of Helicopter Rotor Blades Submitted by the Sikorsky Aircraft Division, United Aircraft Corporation. NACA MR, Sept. 6, 1944.


V. Vibration


VI. Stability


VII. Landings and Loads


VIII. General


2. Lange, Roy H., Cocke, Bennie W., Jr., and Proterra, Anthony J.: Preliminary Full-Scale Investigation of a \( \frac{1}{3} \)-Scale Model of a Convertible-Type Airplane. NACA RM L9C29, 1949.


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