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# ADU 12882

## Armed Services Technical Information Agency

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PRINCETON UNIVERSITY  
PRINCETON, NEW JERSEY  
SCHOOL OF ENGINEERING, JOHN C. GREEN FOUNDATION

FC

December 1, 1955

DEPARTMENT OF AERONAUTICAL ENGINEERING  
THE HENRY FORRESTAL RESEARCH CENTER

AD No. 112882  
ASTIA FILE COPY

Commanding Officer  
Office of Naval Research  
Air Branch/Code 461  
Department of the Navy  
Washington 25, D. C.

Subject: Tandem Helicopter Stability Program, Status Report for  
the month of November, 1955.

Contract N6 onr-27024

Flight Test Operations:

No flight test data was obtained during November due to incompleteness of instrumentation work. Minor, but time consuming, difficulties have been encountered in adapting the system for Phases 3 and 4 of the flight test program, but it is expected that calibration will begin shortly.

Theoretical Analysis:

Major emphasis has been placed on an effort to explain a discrepancy between the flight measured control response and the theoretical response.

This work is continuing along approaches designed to indicate the necessary modifications to theory.

Theoretical studies for the lateral stability cases are continuing as outlined in the November report.

Very truly yours,

*Leonard Goland*

LEONARD GOLAND  
Chief Project Engineer

LG/nt  
cc:

- 3 - Commanding Officer, ONR, Wash.
- 1 - Lcdr. A. D. Struble
- 1 - J. Levy, ONR, N. Y.
- 1 - Special Devices Center - Code 910
- 1 - R. Booth, DE 31, BuAer
- 8 - Office Chief of Trans. Dept. of the Army
- 1 - Asst. Chief of Staff, G-4, R & D
- 1 - Commanding General, Fort Monroe, Virginia ATDEV-6
- 1 - David Taylor Model Basin, Maryland - Code 634
- 1 - President, Board No. 6, CONARC, Camp Rucker, Alabama

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