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PROGRESS - REPORT

February 1st 1952 to April 30th 1952

Contract No: N7 onr - 35805

Division of Engineering
Brown - University
Providence, Rhode Island

Sponsored jointly by:
OFFICE OF NAVAL RESEARCH
OFFICE OF AIR RESEARCH

PROGRESS REPORT: February 1, 1952 to April 30, 1952

CONTRACT NUMBER: N7-onr-35905

1. Investigation of Losses in Transonic Model Sections.

A report on losses in slotted walls will appear shortly.

2. Air-Drying Equipment.

Some difficulties in the air system and in the high frequency generator, found in the test runs, have been eliminated. The equipment dries the air to a dew point of -40°C .

3. Supersonic Cascades.

The design and drawings of a supersonic cascade test section have been completed. Construction will start as soon as sufficient funds are available.

4. Upper Transonic Regime.

Construction of a special model section for testing in the upper transonic regime is near completion. The first tests are expected to take place about the end of May.

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