

FINDING AID: 77-14

RECORD GROUP: RG 77 National Research Council

ACCESSION: 85-86/237

BOX RANGE: 1-3

DESCRIPTION: The finding aid is a box list.

INSTRUCTIONS: The items are listed as they appear in the boxes.

November 1985

(1985-86/237)

Division of Mechanical Engineering Laboratory ReportsBox 1

- Directors Reports - March 1941 to June 1943 (5 volumes)
A brief monthly summary of the work of the Division including the construction of new laboratories at the Montreal Road site.
- Progress Reports - November 1934 to Mar. 1946
 - (a) Aerodynamics Laboratory (Wind Tunnel) - November 1934 to March 1941 (2 volumes)
 - (b) All laboratories - Apr. 1941 to Mar. 1946 (20 volumes). These monthly progress reports give a good running account of the projects worked on and the staff involved, mainly during World War II. They are particularly useful in clarifying the interaction of the Division's various sections on many wartime projects.

Box 2

- Progress Reports - All laboratories. Apr. 1946 to June 1950 (17 volumes)
These reports continue the account of the earlier years into the postwar period and are useful in tracing the conversion to peacetime activities. This form of reporting was discontinued in 1950.
- Summary of Activities of the Division of Mechanical Engineering of the National Research Laboratories During the War in Europe.
- Summary of Activities of the Shops and Services of the National Research Laboratories During the War in Europe.
The above two summaries are early drafts of what was later issued as the War History of the Division of Mechanical Engineering. These drafts contain additional information not included in the War History, including the names of the individuals who wrote the various chapters.

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Box 2 (cont'd)

- Division of Mechanical Engineering (6 pages)
A summary of the Division's activities prepared for the House of Commons Committee review of NRC in 1956.
- National Aeronautical Establishment
First Annual Report (1952)
Second Annual Report (1953)
Annual Report (1955)
An interdepartmental committee set up to coordinate governmental aeronautical research including that carried on in the Division of Mechanical Engineering. The Director of the Division of Mechanical Engineering was also the Director of the National Aeronautical Establishment during this period.

Box 3

- Laboratory Record Books
Aeronautical Engineering Laboratory (1931 to 1951). 17 laboratory record books deal mainly with the wind tunnel testing of models of various aircraft, aircraft skis and other aeronautical accessories, as well as devices such as anemometers, the aerodynamic form of railway locomotives, etc.
- Log Book for Perseus single Cylinder Engine.
Record book for a test engine used to measure the detonation characteristics (knock rating) of fuels.
- A National Hydraulic Laboratory for Canada.
J.H. Parkin, 1934.
- Visit to Three Hydraulics Laboratories in the U.S.A.
Report No. PAH-40 by K.F. Tupper, 1936.
the preceding two items document the background preparation for the establishment of NRC's own hydraulics laboratories.