



Smithsonian

National Museum of American History Kenneth E. Behring Center

Guide to the Robert B. Rice Papers

NMAH.AC.0322

Don Darroch

1989

Archives Center, National Museum of American History

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Collection Overview

Repository:	Archives Center, National Museum of American History
Title:	Robert B. Rice Papers
Date:	1915 - 1954
Identifier:	NMAH.AC.0322
Creator:	Rice, Robert B., 1900-1976 (Author)
Source:	National Museum of American History (U.S.). Division of Engineering and Industry (Collector)
Extent:	30.1 Cubic feet (81 boxes)
Language:	Collection is in English. Some materials in German.
Summary:	Personal papers and correspondence (ca. 1946-1953) of Rice; publications, mostly on Diesel engines, their components and technical problems; material from Rice's academic career; directories of Diesel engine manufacturers and brochures describing their products; technical manuals and reprints of technical articles.

Administrative Information

Acquisition Information

Collection donated by Robert B. Rice, October, 1972.

Provenance

Collection transferred to the Archives Center from Engineering and Industry (now Division of Work and Industry), January 1989.

Related Materials

The Archives Center also holds collection #308, the Robert B. Rice Film Collection, 1936-1945. In addition, there is a small group of Rice's papers, primarily concerned with his academic career, in the Archives of North Carolina State University at Raleigh.

Processing Information

Collection processed by Don Darroch, 1989.

Preferred Citation

Robert B. Rice Papers, 1915-1954, Archives Center, National Museum of American History

Restrictions

Collection is open for research but is stored off-site and special arrangements must be made to work with it. Contact the Archives Center for information at archivescenter@si.edu or 202-633-3270.

Conditions Governing Use

Collection items available for reproduction, but the Archives Center makes no guarantees concerning copyright restrictions. Other intellectual property rights may apply. Archives Center cost-recovery and use fees may apply when requesting reproductions.

Biographical / Historical

Rice was a consulting engineer and professor of engineering at Newark College of Engineering, 1928-1936, and at North Carolina State University, 1937-1956.

Scope and Contents

The collection contains personal papers and correspondence, c. 1946-1953, of Robert B. Rice, as well as publications about diesel engines, their components and technical problems, dating from 1915-1954. It also includes academic material: class notes, examination questions, and theses required for the masters degree. There are directories of manufacturers of diesel engines, both foreign and domestic, and copies of brochures and technical manuals describing their products. Diesel engine applications in road transportation, railroads, electrical generation, ships, and aircraft are described in numerous brochures and published articles. Technical articles on diesel fuels (including coal) and lubricants are also included. There are numerous papers on other types of internal combustion engines.

Included are specifications, parts lists, instruction books, design data, pamphlets, test data, and drawings for American and foreign diesel engines, parts, and accessories, 1936-1947; research reports, trade literature, facts sheets, articles, test data, catalogs, and handbooks on diesel engines for railroad, aircraft, and marine use, 1926-1967; diesel engine charts, 1943-1945; and materials on metals, fuel lubrication, jet propulsion, steam engines, turbines, and thermodynamic and heat power problems.

The collection is arranged into seven series. Series 1, Indexes and Directories, consists primarily of catalogues of diesel engines. Series 2 is composed of Rice's Professional and Academic Material. Series 3, Diesel Engines, consists of information on manufacturers of diesel engines; this information is sub-divided into U.S. and foreign manufacturers and it is arranged alphabetically. Series 4-6 provide information on Electric Utility Generator Units, Diesel Components and Technical Problems, and Fuels and Lubricants. Series 7, Reference Materials, is divided into Files and Blueprints, Manuals and Publications, and Design Drawings and Technical Data for the DZ 710 Aircraft Diesel.

Arrangement

The collection is divided into seven series.

Series 1: Indexes and directories

Series 2: R.B. Rice professional and academic material

Series 3: Diesel engines (by manufacturer)

Series 4: Electric utility generator units

Series 5: Diesel components and technical problems

Series 6: Fuels and lubricants

Series 7: Reference materials

Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

Subjects:

- Diesel motor
- Engineering -- 1910-1960
- Engineers -- 1910-1960
- Internal combustion engines

Types of Materials:

- Personal papers -- 20th century

Names:

- National Museum of American History (U.S.). Division of Engineering and Industry

Container Listing

Series 1: Indexes and Directories

Box 1 Catalogue by manufacturer and by country, diesel chronology

Box 2 Catalogue, "engines built 1930 -1950"

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Series 2: R.B. Rice professional and academic material

Box 3	Course Notes
Box 4	Course exams; technical publications
Box 5	Masters of science theses; publications
Box 6	Course notes; publications
Box 7	Exams, papers and theses for ms, North Carolina State college
Box 7(A)	Correspondence

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Series 3: Diesel engines [by manufacturer]

Subseries 3.1: United States

Box 8	Alco
Box 9	Allis Chalmers, Anderson, atlas
Box 10	Baldwin
Box 11	Buckeye, Buda
Box 12	Busch Sulzer
Box 13	Caterpillar, Chicago
Box 14	Clark
Box 15	Chrysler, Continental
Box 16	Cooper Bessemer
Box 17	Cummins, de la Vergne
Box 60A	Detroit Diesel Engine, 1940 Notes: GM-6-71 small boat diesel engine, 225 HP, exploded views of entire engine with accesories.
Box 18	Enterprise
Box 19	Fairbanks Morse.
Box 19 A	Foos, Fulton
Box 20	General Motors
Box 21	General Motors
Box 22	General Motors
Box 23	Hallett Harnischfager, Hill, Ingersoll Rand
Box 24	Hamilton
Box 25	Hamilton through HDR
Box 26	Hercules

Box 27	Hercules
Box 28	International.
Box 29	International, Lanova
Box 30	Mack to Murray
Box 31	Lister Blackstone to Palmer
Box 32	Lorimer
Box 33	Nordberg
Box 35	Superior
Box 34	Price Rathbun to Trieber
Box 36	Superior
Box 37	Transit to Wolverine
Box 38	Warckesha
Box 39	Worthington

Subseries 3.2: Foreign

Box 40	Atla Fiat
Box 42	Man
Box 43	Meadows

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Series 4: Electric utility generator units

Box 44 Electric utility publications and government training manuals

Box 45 Electric utility publications

Box 46 Electric power generating equipment, fuels

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Series 5: Diesel components and technical problems

Box 47	Specification manuals; fuel injection
Box 48	Notes on coal burning diesel, term paper
Box 49	Technical journals, blueprints, Newport News ship models
Box 50	Survey of internal combustion engines and correspondence
Box 50 A	Technical manuals, brochures, blueprints on governors (Pickering, Woodward, Pierce)
Box 50 B	Brochures, booklets, technical, and manuals

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Series 6: Fuels and lubricants

Box 51	Engine fuels and lubricants, files and technical papers
Box 52	Alternative fuels for internal combustion engines, files and publications
Box 53	Technical papers, and brochures
Box 53 A	Technical, specifications for fans/blowers and course notes

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Series 7: Reference materials

Subseries 7.1: Files and blueprints

Box 54	Turbo blowers/compressors and files
Box 55	Technical publications, notebooks, files, oil and gas conference, 1920s-1930s
Box 56	Steam turbines and files
Box 57	Steam turbines and files
Box 58	Oil and Gas Power Division of Asme, 1937-1954
Box 59	Oil and Gas Power Division of Asme, files , 1927-1948
Box 60	Files, circa 1930-1950
Box 61	Files, fuels and lubricants
Box 62	Marine Basin Co. (Brooklyn, New York), blueprints for naval training school

Subseries 7.2: Manuals and publications

Box 63	Catalogues, notes, blueprints
Box 64	Diesel/turbines; publications (some in German).
Box 65	Refrigeration problems, files
Box 66	Technical publications , 1915-1943
Box 66	Automobile Facts, 1946-1954
Box 67	Condensers; files
Box 68	Diesel/electric, publications
Box 69	Pumps/condensers, files
Box 70	Internal combustion engines, files
Box 71	Specification manuals
Box 72	Technical Manuals

Box 73 Electric utility publications/course notes

Box 74 Diesels, engineering hand book, technical manuals

Box 75 Catalogues, technical manuals, brochures

Box 76 Technical papers, brochures

Subseries 7.3: Design Drawings and Technical Data for DZ-710 Aircraft Diesel
(German), 1938-1942

Box 77 Engineering drawings

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