



Smithsonian

National Museum of American History Kenneth E. Behring Center

Guide to the Robert B. Rice Film Collection

NMAH.AC.0308

NMAH Staff

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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 Film Collection
Date:	1936-1945
Identifier:	NMAH.AC.0308
Creator:	Rice, Robert B., 1900-1976 (Author)
Source:	National Museum of American History (U.S.). Division of Engineering and Industry (Collector)
Extent:	2 Cubic feet 15 Motion picture films (black and white, sound)
Language:	English .
Summary:	A collection of 15 reels of 16mm training films used to train United States Naval personnel in the repair and use of diesel engines and related equipment.

Administrative Information

Acquisition Information

Robert B. Rice.

Provenance

Collection transferred to the Archives Center from the Division of Engineering and Industry (now Division of Work and Industry), June 23, 1988.

Processing Information

Processed by Archives Center, NMAH staff.

Preferred Citation

Robert B. Rice Film Collection, 1936-1945, Archives Center, National Museum of American History.

Restrictions

Collection is open for research.

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

Scope and Contents

Films depict U.S. Navy personnel carrying out maintenance and repair operations on diesel engines. The films were made under the supervision of the Navy Bureau of Aeronautics for Bureau of Ships. 400-500 feet in length, with a voice-over commentary on technical aspects of the work on Bessemer, General Motors, and International diesel engines.

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
- Marine engineering
- Mechanical engineering
- Repairing

Types of Materials:

- Motion pictures (visual works) -- 1930-1950

Names:

- National Museum of American History (U.S.). Division of Engineering and Industry
- Newark College of Engineering
- North Carolina State University
- United States. Navy

Container Listing

Reel 1	<p>DIESEL ENGINE GOVERNORS 1 Film reel (16 mm, black and white) Notes: c. 400 ft. The U. S. Navy Bureau of Aeronautics presents, copyright 1942 Audio Productions Inc. Under the Technical Direction of The Engineering Department, Submarine School U.S. Submarine Base, New London, Connecticut. Produced by Audio Productions Inc. Overspeed Governor On head leader: Diesel Governor U.S. Navy MN 44</p>
Reel 2	<p>THE GENERAL MOTORS 16 278A DIESEL ENGINE BEARINGS 1 Film reel (16 mm, black and white) Notes: c. 400 ft. 1945. On head leader: "U.S. Navy Training Film Restricted" General Motors Diesel Engine 16 278A MN 3707b Bearings</p>
Reel 3	<p>COOPER BESSEMER DIESEL ENGINE MAINTENANCE BENCHWOR. PART 2. INSPECTION OF PISTON 1 Film reel (16 mm, black and white) Notes: c. 350 ft. United States Navy Training Film prepared under the supervision of the Bureau of Aeronautics for the Bureau of Ships by ESCAR MOTION PICTURE SERVICE, INC. 1943 On head leader: "U.S. Navy Training Film. Cooper Bessemer Diesel Engine Maintenance Benchwork. Part 2. Inspection of Piston. Restricted"</p>
Reel 4	<p>THE GENERAL MOTORS 16 278A DIESEL ENGINE. BENCHWORK. 1 Film reel (16 mm, black and white) Notes: c. 400 ft. PART I. United States Navy Training Film Restricted. 1945. By ESCAR MOTION PICTURE SERVICE, INC. On lead header: U.S. Navy Training film. Restricted. General Motors Diesel Engine 16 278A MN 3707e. Benchwork Part I</p>
Reel 5	<p>ELECTRODYNAMICS 1 Film reel (16 mm, black and white) Notes: c. 350 ft. An Instructional Sound Film Produced by ERPI Classroom Films Inc. in collaboration with Harvey B. Lemon, PH.D., University of Chicago Physical Sciences Series. 1936</p>
Reel 6	<p>COOPER BESSEMER DIESEL ENGINE MAINTENANCE, FUEL SYSTEM. PART 2. INJECTOR BLOCK RECONDITIONING AND REASSEMBLY 1 Film reel (16 mm, black and white) Notes: c. 500 ft. Restricted: to be shown to authorized personnel only! United States Navy Training film: Bureau of Aeronautics for Bureau of Ships. 1943 On head leader: U.S. Navy Training Film. Cooper Bessemer Diesel, Engine Maintenance MN 2364n Fuel System. Part 2. Restricted. Injector Block Reconditioning and Reassembly</p>

Reel 7
SCAVENGING AND SUPERCHARGING OF DIESEL ENGINES, TWO STROKE CYCLE
1 Film reel (16 mm, black and white)
Notes: c. 450 ft. United States Navy Training film produced under supervision of Bureau of Aeronautics for Bureau of Ships by Audio Productions Inc. U.S. Navy Training Film MN 42 b. Reel 2. 1943. On head leader: Diesel Engine. U.S. Navy MN42B

Reel 8
COOPER BESSEMER DIESEL ENGINE MAINTENANCE ENGINE. DISASSEMBLY. PART 2
1 Film reel (16 mm, black and white)
Notes: c. 475 ft. Restricted: to be shown to authorized personnel only. United States Navy Training Film produced under supervision of Bureau of Aeronautics for Bureau of Ships by ESCAR MOTION PICTURE SERVICE INC. 1943. On head leader: H 3918 RI Cooper Bessemer Diesel Engine. Part 2. Maintenance Engine Disassembly MN2364b. Restricted

Reel 9
COOPER BESSEMER DIESEL ENGINE MAINTENANCE ENGINE. REASSEMBLY. PART 2
1 Film reel (16 mm, black and white)
Notes: c. 475 ft. Restricted: to be shown to authorized personnel only. United States Navy Training Film produced under supervision of Bureau of Aeronautics for Bureau of Ships by ESCAR MOTION PICTURE SERVICE INC. 1943. On head leader: U.S. Navy Training Film. Cooper Bessemer Diesel Engine Maintenance MN 2364K. Engine Reassembly. Part I. Restricted

Reel 10
INTERNATIONAL DIESEL POWER
1 Film reel (16 mm, black and white)
Notes: c. 500 ft. International Industrial Power Presents. Produced by Wilding Picture Productions Inc. On head leader: International Diesel

Reel 11
ELLIOTT BUCHI TURBOCHARGER FOR DIESEL ENGINE DISASSEMBLY
1 Film reel (16 mm, black and white)
Notes: c. 475 ft. Restricted: to be shown to authorized personnel only! United States Navy Training Film produced under supervision of Bureau of Aeronautics for Bureau of Ships by ESCAR MOTION PICTURE SERVICE INC. 1944. On head leader: A3960 Elliott Buchi Turbocharger Diesel Engine Disassembly. R. 1. U.S. Navy. Restricted.

Reel 12
DIESEL ENGINE MARQUETTE DIVISION. PART I. BASIC HYDRAULIC GOVERNOR
1 Film reel (16 mm, black and white)
Notes: c. 450 ft. Produced under supervision of Bureau of Aeronautics for Bureau of Ships by Audio Productions Inc. 1943.

Reel 13
GENERAL MOTORS DIESEL ENGINE UNIT INJECTORS DISASSEMBLY AND REASSEMBLY. MODEL 278

1 Film reel (16 mm, black and white)

Notes: c. 475 ft. Credits: Restricted: to be shown to authorized personnel only! United States Navy Training Film produced under supervision of Bureau of Aeronautics for Bureau of Ships. 1944. On head leader: General Motors Diesel Engine Unit injectors Disassembly Reassembly. Model 278.

Reel 14

THE GENERAL MOTORS 16 278A DIESEL ENGINE BENCHWORK. PART II
1 Film reel (16 mm, black and white)

Notes: c. 500 ft. Credits; U.S. Navy Training Film. Restricted. 1945. On head leader: U.S. Navy Training Film Restricted. GM Diesel Engine 16 278A MN3707f Benchwork. Part II.

Reel 15

GENERAL MOTORS DIESEL ENGINE UNIT INJECTOR MAINTENANCE
1 Film reel (16 mm, black and white)

Notes: c. 475 ft. Credits: Restricted: to be shown to authorized personnel only! United States Navy Training Film produced under supervision of Bureau of Aeronautics for Bureau of Ships 1944, The Jam Handy Organization Inc.