Smithsonian
National Museum of American History Kenneth E. Behring Center

Guide to the Harold R. D. Roess Papers

NMAH.AC.0048

NMAH Staff

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Collection Overview

Repository:	Archives Center, National Museum of American History
Title:	Harold R. D. Roess Papers
Date:	circa 1920-1964
Identifier:	NMAH.AC.0048
Source:	National Museum of American History (U.S.). Division of Electricity and Modern Physics (Collector)
Creator:	Roess, Harold R.D. (radio engineer) (Author)
Extent:	2 Cubic feet (6 boxes)
Language:	English .

Administrative Information

Acquisition Information

The Harold R.D. Roess Papers were originally donated to the Division of Electricity by Harold R.D. Roess' daughter, Ms. O'Mara, circa 1972.

Provenance

Transferred from the Division of Electricity to the Archives Center, May 12, 1983.

Processing Information

Collection processed by NMAH Staff, undated

Preferred Citation

Harold R. D. Roess Papers, ca. 1920-1964, 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

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Biographical / Historical

Radio engineer for Westinghouse Electric and Manufacturing Company; later worked for the Naval Research Laboratory.

Scope and Contents

These papers document the career and interests of Roess, especially radio rebroadcasting stations, radio navigation, radar, antennas, Naval Research Laboratory projects, and radio broadcasting. Includes blueprints, schematics, technical literature, reprints, manuals, photographs, correspondence, and notes.

Arrangement

The collection is divided into three series.

Series 1: Naval Research Laboratory (NRL) Materials

Series 2: Photographs

Series 3: Radio Materials

Names and Subject Terms

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

Subjects:

Antenna systems
Electrical engineers
Electrical equipment
Radar
Radio
Radio engineers
Technical literature -- Electric equipment

Types of Materials:

Blueprints
Photographs -- 20th century
Professional papers
Technical drawings

Names:

National Museum of American History (U.S.). Division of Electricity and Modern Physics
Naval Research Laboratory (U.S.)
Westinghouse Electric & Manufacturing Company

Container Listing

Series 1: Naval Research Laboratory (NRL) Materials

Box 1, Folder 1	Nucleonic Division # capacitors; modulator
Box 1, Folder 2	Automatic Pilot # Technical and Repair Manual
Box 1, Folder 3	Linear array theory, graph, invention record
Box 1, Folder 4	Graphic instruments instruction manual
Box 1, Folder 5	Oscilloscope instruction manual
Box 1, Folder 6	Blueprints
Box 2, Folder 1	Nuclear Science Quarterly
Box 2, Folder 2	NRL#reprints
Box 2, Folder 3	NRL#research
Box 2, Folder 4	Magazine articles and supplements
Box 2, Folder 5	Blueprint for gravity oscillator
Box 2, Folder 6	NRL#Pulse Modulator and calibrator
Box 2, Folder 7	Nuclear reactor material
Box 2, Folder 8	Radar, cable fault location, NRL pamphlet, part security
Box 2, Folder 9	NRL#lectures
Box 2, Folder 10	Letter of commendation on atomic bomb
Box 2, Folder 11	Mapping Nevada, Virginia
Box 2, Folder 12	Eniwetok Atoll atomic bomb test site map
Box 2, Folder 13	Ferroxcube data

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Series 2: Photographs

Box 3, Folder 1	Surveillance photographs
Box 3, Folder 2	Photographs # Naval Research Lab Equipment
Box 3, Folder 3	Photographs # Naval Research Lab Equipment
Box 3, Folder 4	Photographs # Naval Research Lab Equipment
Box 3, Folder 5	Photographs # Naval Research Lab # Nuclear related apparatus
Box 3, Folder 5A	NRL # Photos
Box 3, Folder 6	Photographs # radio apparatus
Box 3, Folder 7	Lantern slides
Box 3, Folder 7A	Radio apparatus
Box 3, Folder 8	Photographs, radio apparatus transmission stations
Box 3, Folder 9	Photographs, transmitted by short-wave
Box 3, Folder 10	Photographs # radio stations and apparatus
Box 3, Folder 11	Photographs # transmitter, receiver
Box 3, Folder 12	Photographs # transmitter antennas, personalities
Box 3, Folder 13	Photographs # transmitters
Box 3, Folder 14	Photographs # transmitters, receivers, antennas
Box 3, Folder 15	Photographs # broadcast studios, transmitter
Box 3, Folder 16	Photographs and blueprint transmitter
Box 3, Folder 17	Westinghouse photographs
Box 3, Folder 18	Photographs Broadcasting

Box 3, Folder 19 Photographs Talent

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Series 3: Radio Materials

Box 4, Folder 1	RCA Review
Box 4, Folder 2	Radio Station Guide, Hispano Suiza Motor
Box 4, Folder 3	1926 Bell Technical Journal, steel spars, electric wave filters
Box 4, Folder 4	RCA & NBC reprints
Box 4, Folder 5	Short wave receiving station log, 1929
Box 4, Folder 6	High frequency, long distance transmission results
Box 5, Folder 1	Roess personal notes and correspondence
Box 5, Folder 2	Amateur radio operation information
Box 5, Folder 3	Field strength, Smithsonian Guide, postcards, angle of radiation, Solar Ephemeris, aluminum welding
Box 5, Folder 4	Radio engineer's blueprints
Box 5, Folder 5	Radio station log
Box 5, Folder 6	NBC engineering notices
Box 5, Folder 7	Airplane construction instructions
Box 5, Folder 8	Westinghouse engineering materials
Box 5, Folder 9	Ultra high frequency airway
Box 5, Folder 10	Aviation communication equipment
Box 5, Folder 11	RCA high frequency reception, reprints
Box 5, Folder 12	Antenna tuning data, 1929
Box 6, Folder 1	FCC # rules and regulations on ship service, 1945
Box 6, Folder 2	Instructions # radar and gun sight
Box 6, Folder 3	Rigging tools, radio engineers, historic # E. Carolina tour book
Box 6, Folder 4	Radio # spare parts

Box 6, Folder 5	Radio # blueprints and notes
Box 6, Folder 6	Naval compass
Box 6, Folder 7	Airborne radio and radar digest
Box 6, Folder 8	KFKX tube record
Box 6, Folder 9	Military manual # radio sets

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