



Smithsonian
National Museum of American History
Kenneth E. Behring Center

Guide to the Lloyd Espenschied Papers

NMAH.AC.0013

Robert Harding

1982

Archives Center, National Museum of American History
P.O. Box 37012
Suite 1100, MRC 601
Washington, D.C. 20013-7012
archivescenter@si.edu
<http://americanhistory.si.edu/archives>

Table of Contents

Collection Overview	1
Administrative Information	1
Arrangement.....	2
Scope and Contents note.....	2
Biographical/Historical note.....	2
Names and Subjects	2
Container Listing	3
Series 1: Subject Files, 1907-1964.....	3
Series 2: Papers and Talks by Espenschied, 1923-1969.....	8
Series 3: Patents, 1928-1953.....	9
Series 4: Correspondence, 1940-1968.....	10

Collection Overview

Repository:	Archives Center, National Museum of American History
Title:	Lloyd Espenschied Papers
Identifier:	NMAH.AC.0013
Date:	1907-1969
Extent:	11.3 Cubic feet
Creator:	Espenschied, Lloyd, 1889-? ((electrical engineer)) Electricity and Modern Physics, Division of, NMAH, SI.
Language:	English .

Administrative Information

Acquisition Information

Immediate source of acquisition unknown.

Ownership and Custodial History

Transferred from the Division of Electricity, 4/13/83.

Other Finding Aids

Inventory available; contact the Archives Center for more information.

Processing Information

Collection processed by Robert Harding, 1982

Preferred Citation

Lloyd Espenschied Papers, 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 Note

Espenschied was born in St. Louis and graduated from Pratt Institute in electrical engineering, 1909; on staff of the Telefunken Wireless Telegraph Company, 1909-10; worked for American Telephone and Telegraph Company in various capacities, 1910-34; directed high-frequency transmission development for Bell Telephone Laboratories, 1934-37. Chief interests seem to have been wide-band and carrier waves and wide band systems for communications.

Scope and Contents

Miscellaneous information on the history of telephonic and wireless communication; considerable personal correspondence about men and events in the field, especially disputed claims of inventions, development, and the like.

Arrangement

The collection is divided into 4 series.

Series 1: Subject files, 1907-1964

Series 2: Papers and talks by Espenschied, 1923-1969

Series 3: Patents, 1928-1953

Series 4: Correspondence, 1947-1959

Names and Subject Terms

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

Subjects:

Communication
Electrical engineering
Radio
Telecommunication
Telegraph, Wireless

Names:

American Telephone and Telegraph Company
Bell Telephone Laboratories
Electricity and Modern Physics, Division of, NMAH, SI.
Telefunken Wireless Telegraph Company.

Container Listing

Series 1: Subject Files, 1907-1964

Box 1	First HF electronic systems, 1914-1915
Box 1	Radiotelephone experiments, 1915
Box 2	Radiotelephone experiments, 1915
Box 2	Test drafts, 1915
Box 3	Moon radar, 1959
Box 3	Satellite legislation, 1962
Box 3	Past satellite bill, 1962
Box 4	Espenschied's amateur radio days
Box 4	Origin of sound recordings and talkies
Box 5	Messner Hammond controversy
Box 5	Ashton Simon correspondence
Box 5	Heising Hammond correspondence
Box 5	Super heterodyne origins
Box 6	Audio mastery and power tube beginnings, 1913-1915
Box 6	VT feedback and oscillator
Box 6	Origin of high vacuum tube
Box 6	Tube collection
Box 7	Hammond Purington paper, 1957
Box 7	Award protest

Box 7	Proceedings IRE, July 1959
Box 7	Hammond Purington paper, 1957
Box 8	Carson biography
Box 8	Information theory
Box 8	Single sideband transmission
Box 8	Edward H. Armstrong Foundation
Box 8	Electronic units—atom
Box 8	Particles
Box 8	Ed Barles Telephone Co.
Box 8	History G. A. Campbell
Box 8	Mass communications – toll TV
Box 8	Broadcasting TV
Box 9	T. H. Winkler –, 1740's
Box 9	Franklin – electrical expts
Box 9	Electrostatic effects
Box 9	Galvanic and Volta
Box 9	Early electromagnetism
Box 9	Piezo electricty Swedish Royal Academy, 1700's
Box 10	Piezo electricty, 1800's
Box 10	Pre Crine
Box 10	Thunder lightning electricity – Franklin etc.
Box 10	1740's – flaring of electricity

Box 10	Leyden Jar discovery
Box 10	Curie – 1880's & after
Box 10	Electronic version of electrical history
Box 10	Electrical discoveries of 1700's – German and other source materials
Box 11	From microwaves to optical (masers)
Box 11	Chronicles of radio relaying
Box 11	Electrical history library of Lloyd Espenschied
Box 12	Electrical history
Box 12	Piezoelectricity – Swedish Royal Academy
Box 12	Early magnetism – references sources
Box 13	A. M. Curtis
Box 13	J. V. L. Hogan
Box 13	Lowenstein Tesla Dubilier
Box 13	Dubilier Lowenstein Goldsmith Purington
Box 13	Coaxial papers AIEE
Box 13	IEEE history committee, 1963
Box 14	History of science American Institute of Physics
Box 14	Electronic radio and carrier Bell system
Box 14	History of radio – Hawarden Pratt thru 1964 formation of IRE
Box 14	Origin of transistor – solid state electronics
Box 15	Nikola Tesla

Box 15	Montauk Wilmington radio test 1915 article on
Box 15	History of vacuum attainment
Box 15	Early AT&T Co. pamphlets
Box 15	Wireless telephone operator experiences 1907 1909
Box 16	Radio altimeter
Box 17	Publications electronic
Box 17	Origins of early electromagnetic mechanical devices
Box 17	Genesis of electronics
Box 18	Pyro piezoelectricity, 1700s
Box 18	Start of flare, 1740
Box 18	Von Guericke [et al]
Box 18	Aepinns
Box 18	Multiplex time division
Box 18	Invention reports Bell System
Box 19	Morse code origins
Box 20	Repeater pursuit, 1879- 1900
Box 20	Tone multiplex
Box 20	Carrier origin to 1918
Box 20	Triode as amplifier origin
Box 21	De Forest
Box 21	John Stone Stone
Box 21	Radio history

[Return to Table of Contents](#)

Series 2: Papers and Talks by Espenschied, 1923-1969

Box 22 Papers and Talks vols. 1-3

Box 23 Papers and Talks vol. 4

[Return to Table of Contents](#)

Series 3: Patents, 1928-1953

Box 24

Patents vols. 1 4

[Return to Table of Contents](#)

Series 4: Correspondence, 1940-1968

Personal Correspondence

- Box 25 Personal correspondence, 1940 1945
- Box 26 Personal correspondence, 1946 -1948
- Box 27 Personal correspondence, 1949 -1951
- Box 28 Personal correspondence, 1952 -1956

Subseries 4.2: Correspondence, 1947- 1959

- Box 31 A. M. Skellett
- Box 31 H. F. Moyer
- Box 31 Japanese correspondence
- Box 31 European correspondence
- Box 31 Paul Hardaway correspondence

Subseries 4.3: Correspondence, 1944 -1954

- Box 32 G. A. Campbell, 1944 -1954
- Box 32 H. J. Round, 1951-1953
- Box 32 L. S. H. Baird, 1950 -1953
- Box 32 George Clark Oliver Hearsid and John Stone Stone, 1944 -1951
- Box 32 Haraden Pratt, 1953-1954
- Box 32 Rupert MacLaurin, 1947
- Box 33 Lee De Forest correspondence, 1942 -1952
- Box 34 Lee De Forest correspondence, 1952 -1965
- Box 34 James A. Steed, July 1975

[Return to Table of Contents](#)