



Smithsonian

National Museum of American History Kenneth E. Behring Center

Guide to the Lloyd Espenschied Papers

NMAH.AC.0013

Robert Harding

1982

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Collection Overview

Repository:	Archives Center, National Museum of American History
Title:	Lloyd Espenschied Papers
Date:	1907-1969
Identifier:	NMAH.AC.0013
Creator:	Espenschied, Lloyd, 1889-? (electrical engineer)
Source:	National Museum of American History (U.S.). Division of Electricity and Modern Physics
Extent:	11.3 Cubic feet
Language:	English .
Summary:	Papers document the history on telephonic and wireless communication.

Administrative Information

Acquisition Information

Immediate source of acquisition unknown.

Ownership and Custodial History

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

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

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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
- National Museum of American History (U.S.). Division of Electricity and Modern Physics
- 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

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

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Box 23	Papers and Talks vol. 4
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Series 3: Patents, 1928-1953

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Patents vols. 1 4

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Series 4: Correspondence, 1940-1968

Personal Correspondence, 1940-1964

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Box 26	Personal correspondence, 1946-1948
Box 27	Personal correspondence, 1949-1951
Box 28	Personal correspondence, 1952-1956
Box 29	Personal Correspondence, 1957-1964
Box 30	Personal Correspondence, 1965-1968

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 Heairside 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

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