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Guide to the Albert E. Shaw Papers 1921-1940



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Descriptive Summary

Identifier	ICU.SPCL.SHAWAE
Title	Shaw, Albert E. Papers
Date	1921-1940
Size	1.25 linear feet (3 boxes)
Repository	Special Collections Research Center University of Chicago Library 1100 East 57th Street Chicago, Illinois 60637 U.S.A.
Abstract	Albert E. Shaw (1899-1981) University of Chicago graduate student and Assistant Professor of Physics. Includes correspondence and Shaw's student research and course notes.

Information on Use

Access

This collection is open for research.

Citation

When quoting material from this collection, the preferred citation is: Shaw, Albert E. Papers, [Box #, Folder #], Special Collections Research Center, University of Chicago Library

Biographical Note

Albert Edward Shaw was born in Rutherford, New Jersey on February 5, 1899. He graduated from the EE Polytechnic Institute of Brooklyn, in New York, in 1923, and entered the University of Chicago in 1936.

Shaw received his S.M. in Physics in 1928, with a Master's thesis on "Cold Cathode Rectification." He was awarded his PhD in 1934 for his dissertation "Electron Orbits in Crossed Electric and Magnetic Fields." He served for several years as an assistant and later as an instructor in the University of Chicago's Department of Physics, before being named Assistant Professor in 1942. Shaw appears to have left University's faculty in 1946, and to have been affiliated with Argonne National Laboratory in subsequent years. He died in Chicago in 1981.

Scope Note

This collection is divided into two series. Series I, Correspondence, primarily contains letters sent by Shaw to supply companies in search of materials, such as glass, gases, and light polarizing

materials, for research. Letters to and from colleagues and students are also included. Series II, Notes, contains handwritten notes on articles, laboratory experiments, classes, and the work of other researchers, dating from Shaw's undergraduate and graduate student years, and his early teaching career.

Related Resources

The following related resources are located in the Department of Special Collections:

<http://www.lib.uchicago.edu/e/spcl/select.html>

Department of Physics. Records

Subject Headings

- Shaw, Albert Edward, 1899-
- Physics

INVENTORY

Series I: Correspondence

Box 1

Folder 1

Correspondence - A

Box 1

Folder 2

Correspondence - B

Box 1

Folder 3

Correspondence - C-D

Box 1

Folder 4

Correspondence - E-F

Box 1

Folder 5

Correspondence - G

Box 1

Folder 6

Correspondence - H-I

Box 1

Folder 7

Correspondence - J-L

Box 1

Folder 8

Correspondence M-P

Box 1

Folder 9

Correspondence - R-S

Box 1

Folder 10

Correspondence - T-Z

Series II: Notes

Box 1

Folder 11

Notes, Cold Cathode Rectification

Box 1

Folder 12

Notes, Experiments, Physics 262

Box 1

Folder 13

Notes, Geometrical Optics

Box 1

Folder 14

Notes, K - Angstrom

Box 1

Folder 15

Notes, Liquids, Viscosity

Box 1

Folder 16

Notes, Platinum Resistance Thermometer

Box 1

Folder 17

Notes, Pressure

Box 1

Folder 18

Notes, Radiation Constant

Box 1

Folder 19

Notes, Thermal Conductivity

Box 1

Folder 20

Physics 349, X-Ray notes taken by A. E. Shaw, June 1929

Box 2

Folder 1

Physics 251, Mathematical Physics, notes taken by A. E. Shaw

Box 2

Folder 2

Physics 252, Heat, A. E. Shaw

Box 3

Folder 1

Experiments at Polytechnic Institute of Brooklyn Electrical Measurement Laboratory, 1 - 8, 1920s

Box 3

Folder 2

Experiments at Polytechnic Institute of Brooklyn Electrical Measurement Laboratory, 11 - 24, 1920s

Box 3

Folder 3

Loschmidt's Number, dissertation by S. E. Virgo

Box 3

Folder 4-6

Miscellaneous notes, undated

Box 3

Folder 7

Miscellaneous mathematical notes, undated

Box 3

Notebook, A. C. Laboratory Experiments, 1922-1923

Box 3

Notebook, Mathematical Theory of Electricity and Magnetism, March 21, 1927