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# Guide to the Benjamin Shackelford Papers 1913-1915



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## Descriptive Summary

**Identifier** ICU.SPCL.SHACKELFORD

**Title** Shackelford, Benjamin. Papers

**Date** 1913-1915

**Size** .5 linear (1 box)

**Repository** Special Collections Research Center  
University of Chicago Library  
1100 East 57th Street  
Chicago, Illinois 60637 U.S.A.

**Abstract** Benjamin Shackelford, student. The Benjamin Shackelford papers consist of lecture notes taken while Shackelford was a graduate student in Physics at the University of Chicago (1915-1917). The collection includes notes from classes given by Frederick Lindemann, Albert Abraham Michelson, Robert Andrews Millikan, Arthur Lunn, and Gilbert Bliss.

## Information on Use

### Access

No restrictions.

### Citation

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

### Biographical Note

Benjamin Estill Shackelford was born in Richmond, Montana. He received his A.B. from the University of Montana in 1912. Shackelford went on to study mathematics and physics at the University of Chicago, receiving his Ph.D. in 1916 under the direction of Robert Milliken. Shackelford's thesis was titled, "Temperature and Blackening Effects in Helical Tungsten Filaments."

### Scope Note

The Benjamin Shackelford papers consist of lecture notes taken while Shackelford was a graduate student in Physics at the University of Chicago (1915-1917). The collection includes notes from classes given by Frederick Lindemann, Albert Abraham Michelson, Robert Andrews Millikan, Arthur Lunn, and Gilbert Bliss.

### Related Resources

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

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

## Subject Headings

- 
- Bliss, Gilbert Ames, 1876-1951
- Cherwell, Frederick Alexander Lindermann, Viscount, 1886-1957
- Lunn, Arthur C. (Arthur Constant), b. 1877
- Michelson, Albert Abraham, 1852-1931
- Millikan, Robert Andrews, 1868-1953
- Shackelford, Benjamin Estill
- Lecture notes

## INVENTORY

### Box 1

#### Folder 1

Lindermann Notes, 1913

### Box 1

#### Folder 2

Radiation Notes, 1913

### Box 1

#### Folder 3

Vector Analysis Notes, 1914

### Box 1

#### Folder 4

Bliss, Complex Variables Notes, 1914

### Box 1

#### Folder 5

Michelson, Physical Optics Notes, 1914

### Box 1

#### Folder 6

Michelson, Electromagnetic Theory Notes, 1915

### Box 1

#### Folder 7

Michelson, Electromagnetic Theory Notes, Spring 1915

### Box 1

#### Folder 8

Bliss, Definite Integrals Notes, 1915

### Box 1

#### Folder 9

Milliken, Thermodynamics Notes, 1915

### Box 1

#### Folder 10

Milliken, Kinetic Theory Notes, 1915

**Box 1**

**Folder 11**

Lunn Notes, 1915

**Box 1**

**Folder 12**

Milliken, Electron Theory Notes, 1915

**Box 1**

**Folder 13**

Alternating Currents Notes, 1916

**Box 1**

**Folder 14**

Michelson, Wave Motion Notes, 1916