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Guide to the Edward Emerson Barnard Papers 1846-1926



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Descriptive Summary

Identifier	ICU.SPCL.BARNARDEE
Title	Barnard. Edward Emerson. Papers
Date	1846-1926
Size	32 linear feet (62 boxes)
Repository	Special Collections Research Center University of Chicago Library 1100 East 57th Street Chicago, Illinois 60637 U.S.A.

Abstract Edward Emerson Barnard (1857-1923) Astronomer and pioneering astrophotographer. The Papers contain observation notes, calculations, photographs, and published and unpublished writings, most documenting Barnard's work at the University of Chicago's Yerkes Observatory.

Acknowledgments

The Edward Emerson Barnard Papers were processed and preserved with support from the John Crerar Foundation.

Information on Use

Access

The collection is open for research.

Citation

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

Biographical Note

Edward Emerson Barnard was born in Nashville, Tennessee December 16th 1857. His father died before his birth, leaving the family in poverty. Barnard's mother directed his education, and at the age of nine, he began working in a photographic studio.

In 1876, Barnard purchased a 5-inch (130 mm) refractor telescope and a basic astronomy book and taught himself observational astronomy. In 1881 he discovered the first of many comets. That same year he married Rhoda Calvert. In 1883, he received a fellowship to Vanderbilt University, graduating in mathematics in 1887. He was also an instructor at Vanderbilt during his studies.

In 1887 Barnard moved to California to work at the University of California's new Lick Observatory. In 1892, he made the first photographic discovery of a comet. That same year Barnard discovered the fifth moon of Jupiter. He won the Gold Medal of Britain's Royal Astronomical Society in 1897 for his research on the Milky Way, featured in *A Photographic Atlas of Selected Regions of the Milky Way* (1927).

In 1895 Barnard joined the faculty of the University of Chicago as a Professor of Practical Astronomy working first at the Kenwood Observatory, then at the newly constructed Yerkes Observatory, in Lake Geneva, Wisconsin.

A pioneering astrophotographer, Barnard cataloged a series of dark nebula, giving them numerical designations beginning with Barnard 1 and ending with Barnard 370. He published his initial list with a 1919 paper in the *Astrophysical Journal*, "On the Dark Markings of the Sky with a Catalogue of 182 such Objects".

Barnard died on February 6, 1923 in Williams Bay, Wisconsin, and was buried in Nashville.

Scope Note

The Edward Emerson Barnard Papers are divided into three series. Series I: Notes, Observations and Calculations contains bound notebooks holding published and unpublished articles and observation notes, along with extensive unbound files of observations and calculations, catalogued by astronomical object.

Series II contains draft speeches, and Barnard's first astronomy book, and Series III includes oversized charts and data sheets.

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

- Barnard, Edward Emerson, d. 1923
- Calvert, Mary R. (Mary Ross), 1884-
- Yerkes Observatory
- Astronomy -- Observations
- Astronomers
- Photographs

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Series II: Notebooks

This series is divided into five subseries. Subseries 1 contains notebooks from Barnard's days at Vanderbilt University. Subseries 2 contains copies of Barnard's Lick Observatory Notebooks. The copying of the notebooks was commissioned by Barnard himself and an explanatory note can be found in the first notebook. Subseries 3, 4 and 5 contain three different series of notebooks used by Barnard at Yerkes Observatory, organized either chronologically or by astronomical topic.

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Folder 1

Book 122, November, 1918- January, 1919

Box 54

Folder 2

Book 123, January-February, 1919

Box 54

Folder 3

Book 124, February-March, 1919

Box 54

Folder 4

Book 125, March-May, 1919

Box 54

Folder 5

Book 126, May-July, 1919

Box 54

Folder 6

Book 127, July-August, 1919

Box 55

Folder 1

Book 128, August-September, 1919

Box 55

Folder 2

Book 129, September-November, 1919

Box 55

Folder 3

Book 130, November, 1919- January, 1920

Box 55

Folder 4

Book 131, January-February, 1920

Box 55

Folder 5

Book 132, February-April, 1920

Box 55

Folder 6

Book 133, April-June, 1920

Box 55

Folder 7

Book 134, June-July, 1920

Box 56

Folder 1

Book 135, July-August, 1920

Box 56

Folder 2

Book 136, August-September, 1920

Box 56

Folder 3

Book 137, September- October, 1920

Box 56

Folder 4

Book 138, October-December, 1920

Box 56

Folder 5

Book 139, December, 1920-January, 1921

Box 56

Folder 6

Book 140, January- March, 1921

Box 56

Folder 7

Book 141, March-April, 1921

Box 57

Folder 1

Book 142, April-June, 1921

Box 57

Folder 2

Book 143, June-July, 1921

Box 57

Folder 3

Book 144, July-September, 1921

Box 57

Folder 4

Book 145, September-November, 1921

Box 57

Folder 5

Book 146, November, 1921-January, 1922

Box 57

Folder 6

Book 147, January-March, 1922

Box 57

Folder 7

Book 148, March-April, 1922

Box 58

Folder 1

Book 149, April-June, 1922

Box 58

Folder 2

Book 150, June-July, 1922

Box 58

Folder 3

Book 151, July-September, 1922

Box 58

Folder 4

Book 152, September-November, 1922

Box 58

Folder 5

Book 153, November-December, 1922

Subseries 5: Other Notebooks

Box 59

Folder 1

Book 7, 1902-1903

Box 59

Folder 2

Book 9, 1903

Box 59

Folder 3

Book 10, 1903

Box 59

Folder 4

Book 11, 1903-1904

Box 59

Folder 5

Book 12, 1904

Box 59

Folder 6

Book 13, 1904

Box 60

Folder 1

Book 14, 1904-1905

Box 60

Folder 2

Book 15, 1905

Box 60

Folder 3

Book 16, 1905

Box 60

Folder 4

Book 17, n.d.

Box 60

Folder 5

Bruce Telescope, 1904-1905

Box 60

Folder 6

Bruce Telescope II, 1905-1906

Box 60

Folder 7

Bruce Telescope III, 1906-1907

Series III: General

This series includes drafts of various Barnard speeches and as well as his first astronomy book.

Box 61

Folder 1

E.E. Barnard Address at Vanderbilt University, n.d.

Box 61

Folder 2

Gummere John, Elementary Treatise on Astronomy, 1846

Box 61

Folder 3-4

Talks, Drafts, 1898-1924

Series IV: Oversize

Box 62

Folder 1

Charts, Drawings, Data, 1898 (See Oversize)

Box 62

Folder 2

Charts, Drawings, Data, 1897-1926 (See Oversize)