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# Guide to the Frank R. Lillie Papers 1899-1941



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## Descriptive Summary

**Identifier** ICU.SPCL.FRLILLIE

**Title** Lillie, Frank R. Papers

**Date** 1899-1941

**Size** 7 linear feet (14 boxes)

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

**Abstract** The papers of zoologist Frank R. Lillie cover the period 1899-1941 and include correspondence and research files. The correspondence concerns colleagues and students as well as administrative correspondence from his time as chairman of the Zoology Department. The correspondence also includes material from his responsibilities at the Marine Biological Laboratory at Woods Hole, Massachusetts, which he helped to establish. The collection also contains Lillie's extensive research in the form of loose notes, drawings and 30 laboratory notebooks. These notebooks span the period from 1901-1929 and include Lillie's detailed observations on his scientific work, most of it conducted at Woods Hole. The collection also includes drafts of Lillie's articles, lectures and demonstrations as well as a few of his published articles.

## Information on Use

### Access

Open for research. No restrictions

### Citation

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

## Biographical Note

The career of Frank Rattray Lillie (1870-1947) as teacher, researcher, and "statesman of science," began under the tutelage of Charles O. Whitman. After Lillie received his doctorate from the University of Chicago in 1894, he entered upon a lifetime of fruitful zoological research. His primary interests were in experimental embryology, fertilization, sex hormones, and sex differentiation. In addition to research, much of Lillie's time was consumed by administration. First among his many accomplishments was the development of the Marine

Biological Laboratory at Woods Hole, Massachusetts. During his chairmanship of the Zoology Department at the University of Chicago, 1910 to 1931, Lillie not only maintained an active research program but also revitalized the teaching program on both the graduate and the undergraduate levels. He held presidencies in the National Research Council and the National Academy of Science. In 1931, Lillie became Dean of the Biological Sciences Division of the University of Chicago.

### **Scope Note**

The Frank R. Lillie papers consist of 7 linear feet of material and cover the period 1899-1941. The papers have been arranged into three series. The first, General Correspondence, contains the general correspondence of Lillie during the period of his chairmanship of the Zoology Department. This correspondence, arranged alphabetically, is primarily between Lillie and his colleagues, both at the University and elsewhere, and students. These letters reflect Lillie's administrative responsibilities in the department and at Woods Hole as well as his interest and accomplishments in the area of research. Series II, University Correspondence, is the correspondence between Dr. Lillie, as department chairman from 1910 to 1931, and other administrative offices of the University such as the President's office, the Dean of Students, etc. The third series, Research and Publications, contains Lillie's research notes and a few publications. Lillie's extensive research notes include loose notes, drawings and 30 laboratory notebooks. These notebooks span the period from 1901-1929 and include Lillie's detailed observations on his scientific work, most of it conducted at the Marine Biological Laboratory in Woods Hole, Massachusetts. The series also includes drafts of Lillie's articles, lectures and demonstrations as well as a few of his published articles. Lillie's research notes highlight his interest in cattle as a focus for his work on experimental embryology, fertilization, sex hormones, and sex differentiation.

### **Related Resources**

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

Related Resources

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

Allee, Warder Clyde. Papers

Department of Zoology. Records

Whitman, Charles O. Papers

### **Subject Headings**

- Lillie, Frank R.
- University of Chicago. Department of Zoology
- Marine Biological Laboratory (Woods Hole, MA)

- Zoology
- Zoologists

## **INVENTORY**

### **Series I: General Correspondence**

#### **Box 1**

##### **Folder 1**

Adams, C. F.

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##### **Folder 2**

Adams, Otto

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Allen, Bennett M.

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##### **Folder 5**

American Association for the Advancement of Science, 1914-1921

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American Association for the Advancement of Science, 1929-1930

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American Association of University Professors

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American Eugenics Society

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American Society of Naturalists

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American Society of Zoologists

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Bachman, Frank P.

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Biological Abstracts; Biological Bulletin

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Cytology - General Correspondence regarding A Textbook of Cytology - E. V. Cowdry  
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Greenman, Milton J.

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Illinois State Academy of Science; Ingraham, Helen

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Krone, Jessie; Kudo, T.

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Laing, Gordon G., University of Chicago Press

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Societe Nationale des Science Naturelles; Societe Royale des Sciences Medicales

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Wang, Chi Che; Washburne, C. W.; Watase, S. (Obituary)

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Wells, H. G., Science of Life, review by F. R. L.; Wells, H. M. (Obituary)

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Buildings and Grounds (Flook, L. R.; Douglas, B. M.; Rouse, H. W.)

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Purchasing Department, 1917-1922, (Dinsmoor, John C.)

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**Series III: Research and Publications**

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Notes, summer 1899

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Diagrams, drawings and notes, circa 1902-1902

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Segregation of substances experiment, notes, 1904

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Notes, 1904

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Diagrams, drawings and notes, circa 1905-1915

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Preparations experiments, notes, 1909

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Records of partial sperm nuclei, research notes, 1909-1911

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Free martins, literature and notes, 1912

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Holstein-Friesian cattle, research, 1919

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Shorthorn cattle, research, 1919

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Human twins, notes, 1921

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Nereis, notes and diagrams, n.d.

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Drawings and sections, 1921

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Biliminal sex differentiation in cattle, notes and drawings, 1921

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**Folder 2**

Free martins, drawings and sections, 1922

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Cattle embryos and free martins, notes, 1922

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"Role of Cell Division in Development," draft, n.d.

**Box 10**

**Folder 5**

II and III Nereis polarity and bilarity, localization of granules and inclusions, draft, n.d.

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"The Etiology of the Free-Martin," article, 1922

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"Supplementary Notes on Twins in Cattle," article, n.d.

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Bacon lectures, n.d.

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Davies article, notes, n.d.

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Lillie publications, 1922, 1933, 1941

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American Quarterly Journal, free martin article, 1845