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Guide to the Howard Taylor Ricketts Papers 1891-1977



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Descriptive Summary

Identifier ICU.SPCL.RICKETTS

Title Ricketts, Howard Taylor. Papers

Date 1891-1977

Size 16 linear feet (26 boxes)

Repository Special Collections Research Center

University of Chicago Library

1100 East 57th Street

Chicago, Illinois 60637 U.S.A.

Abstract Howard Taylor Ricketts, pathologist. The papers include personal and

professional correspondence, research notes and manuscripts relating to his work with Rocky Mountain Spotted Fever and typhus, and assorted

memorabilia.

Information on Use

Access

The collection is open for research.

Citation

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

Biographical Note

Howard T. Ricketts was born in Findlay, Ohio and educated at the University of Nebraska (B.S., 1894) and Northwestern University Medical School (M.D., 1897). After serving his internship at Cook County Hospital, he was appointed research fellow in pathology at Rush Medical College (1898-1900). In 1900, Ricketts married a former classmate, Myra Tubbs; their nine year courtship is amply documented in Ricketts personal correspondence.

Following his marriage, Ricketts spent a year in Europe studying immunology at hospitals and laboratories in Vienna, Paris, and Berlin. (See notebooks, 6:2-3) In 1902, he became an associate in the Department of Pathology and Bacteriology at the University of Chicago and was promoted to assistant professor in 1904. Just prior to his death in 1910, Ricketts accepted an appointment as Professor of Pathology at the University of Pennsylvania.

Ricketts' research in pathology began at Rush Medical College, where he began a series of experiments on blastomycosis-a skin disease-which resulted in an important monograph: Oidiomycosis (Blastomycosis) of the Skin and its Fungi (Box 7). His most noted medical research, however, was his discovery of the cause of Rocky Mountain Spotted Fever. Starting in 1906, he ran a series of experiments-in Chicago and Montana-which proved that the disease was transmitted by wood ticks. Eventually, this led to the discovery of a suspicious bacillus in the blood of both victims and infected ticks. When the bacillus was finally isolated in 1916, it was named "Rickettsia" in honor of the man who first noted its presence.

Ricketts never completed his work on Rocky Mountain Spotted Fever, being drawn instead to the study of a related disease, typhus. In 1909, he was given a one-year leave of absence from Chicago to investigate a typhus epidemic in Mexico City. In a matter of months, using protocols developed in the spotted fever research, Ricketts was able to isolate the louse as the carrier of Mexican typhus, and on April 23, 1910 he announced discovery of a micro-organism-apparently a bacillus-in the blood of body lice and typhus patients. The confirmation of this discovery, however, was left to others, for ten days later Howard Ricketts died, a victim of the disease.

Scope Note

Series I: Correspondence. The personal correspondence is arranged chronologically and consists almost exclusively of Ricketts' letters to Myra Tubbs during their extended courtship and engagement (1891-1900). His letters are both intimate and informal, containing detailed information on medical school, his early research in pathology, and the numerous odd-jobs which financed his education. Later letters describe living and working conditions in Montana and Mexico.

The professional correspondence consists primarily of job offers from various universities as well as Ricketts' correspondence with President Judson regarding research funds, promotions, and departmental business.

Series II: Research Notes. This series contains notes and correspondence relating to Ricketts' research in blastomycosis, typhus, and Rocky Mountain spotted fever, as well as the data and protocols from this work, arranged chronologically under research subject headings. Also, included here are a series of notebooks compiled at Northwestern, Chicago, and during his European tour.

Series III: Writings. Consisting mainly of manuscripts, drafts and off-prints of articles, arranged chronologically, this series also contains an annotated copy of Ricketts' Infection, Immunity and Serum Therapy (Chicago, 1906), based on his research at Chicago from 1902 to 1906.

Series IV: Memorabilia. In 1941, on the occasion of the dedication of the Museum of Rochester Academy of Science, Mrs. Ricketts and Elisabeth Ricketts Palmer assembled a scrapbook documenting Ricketts' life and work. This volume, now disbound and housed in Boxes 15-17, includes family photographs, correspondence, and research materials, as well as awards honoring Ricketts. Owing to interest in Ricketts' work, photostatic copies of this scrapbook were distributed to several libraries, and in 1965 Mrs. Palmer prepared a "second edition" containing supplemental materials. Mrs. Palmer also compiled a clipping scrapbook; a photostatic copy is located in Box 14. In addition, this series includes commemorative medals, photographs and material relating to the Howard T. Ricketts Museum in Hamilton, Montana.

Series V: Visual Materials. This series contains a set of lantern slides with photographs and charts, probably used for a lecture on Rocky Mountain Spotted Fever. Also included are many anatomical slides. Most are unidentified and undated, but a small number bear labels from Chicago laboratories and hospitals, and dates from the late 1890s to the early 1900s. Among the labeled slides are samples of blood and tissue from humans and animals, including typhus-infected blood and lice. None of the slides are believed to be related to Ricketts' studies of Rocky Mountain Spotted Fever.

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

- Ricketts, Howard Taylor, 1871-1910
- Medicine -- History
- Pathology
- Rocky Mountain spotted fever
- Rickettsia
- Typhus fever
- Photographs

INVENTORY

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Biographies by Henry Ricketts, Myra Ricketts and H. Gideon Wells

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Comparative anatomy, ca. 1893

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Analysis of Ehrlich paper on hemolysis; protocols of experiments carried out in Vienna; two notebooks, 1902

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Oidiomycosis (Blastomycosis) of the Skin and its Fungi, annotated typescript. Introduction and Chapters I and II

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Protocols of clinical histories; misc. notes, 1906

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Protocols of experiments showing transmission of spotted fever by female tick from guinea pig to guinea pig, 1907

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Histologic study of infected and non-infected ticks; routes of infection; skin, stomach, infectivity of bile and of urine; infectivity of salivary glands and gut in male tick 15; miscellaneous immunity tests, 1907

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Diagrams and measurements of Idaho and Montana ticks; protocols of tests of ticks, 1907

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Microscopic studies of infected guinea pigs and peritoneal exudate, 1908.

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McKinney strain; guinea pig passages

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Index of Montana ticks, 1908

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Effect of glycerin on virus, 1906-08; effect of light on the virus in ticks 'eggs, 1908-09

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Dr. Maver's tick records from Wood's Hole, Mass. and Missouri, 1909

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Agglutination experiments with the bacillus using eggs of infected ticks as source

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Correspondence with Dr. Hektoen (copies), 1906-10

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Personal expense accounts; Spotted Fever and Typhus problems (two notebooks), 1909-10

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Gradebook, "Junior Skin and Venereal, Group B," undated

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Notebook, "Urine Specimens; Blood and Stomach Analyses," 1897-1898

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Notebook, "Medical Records," February, 1898

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Notebook, "Post Mortem and Medical Records for [illegible]," 1897-1898

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Notebook, "Surgery Quiz," undated

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Pamphlet, "Subjects of Research Being Pursued by Members of the Chicago Chapter of the Society of the Sigma XI," 1904

Series III: Publications

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Infection, Immunity, and Serum Therapy, annotated first edition

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Infection, Immunity, and Serum Therapy, annotated first edition, Holograph manuscript, Chap. I-XXIII

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Infection, Immunity, and Serum Therapy, annotated first edition, Notes and preliminary drafts

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Infection, Immunity, and Serum Therapy, annotated first edition. Correspondence concerning a second edition, 1907-10

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"Oidiomycosis (Blastomycosis of the Skin and its Fungi"

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Writings

- "Three Cases of Blastonycetic Infection of the Skin; One Case Limited to a Tumor of the Lower Lip," by Frank Montgomery and HTR
- "A report of two cases of Blastomycosis of the skin in man, with a survey of the literature of Human Blastomycosis," by James N. Hyde and HTR.
- "A new mold fungus as the cause of three cases of so-called Blastomycosis or Oidiomycosis of the skin."

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"Lymphatotoxic Serum; notes on its constitution; Preliminary experiments bearing on its influence on experimental infections," typescript, 1902

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"Preliminary report on the action of neurotoxic serum," by T. Rothstein and HTR (annotated draft), 1903

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"A case of diplococcemia, characterized by repeated attacks of fever, muscular pains, and erythematous eruption," by Llewellys Barker and HTR (annotated draft), 1903

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Writings

- "The nomenclature of immunity"
- "Recent studies on snake venom"
- "The etiology of syphilis"
- "Concerning soluble typhoid and dysentery toxins"
- "Gastrotoxic serum and the polytropic action of cytotoxic sera in general"
- "The nomenclature of Toxins" (typescripts), 1903

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Writings

- "An organism from Cutaneous Oidiomycosis (Blastomycosis); remarks on classification"
- Untitled draft submitted to Proceedings of the Chicago Pathological Society, 1904

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"The reduction of methylene blue by nervous tissue", 1904

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Writings

- "Receptor studies suggested by the side-chain theory of immunity"
- "Autoagglutination of the erythrocytes"

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"Our Serotherapeutic measures," 1904

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"The effect of tetanolysin on sensitized erythrocytes" 1905

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"Fundamental principles of immunity," 1905

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"Concerning the possibility of an antibody for the tetanophile receptor of orythrocytes; a receptor study," 1905

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"The adjuvant action of serum, egg-albumin, and broth on tetanus intoxication," by HTR and E.J. Kirk, 1906

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Folder 15

Writings

- "The role of the wood-tick (Dermacentor Occidentalis) in Rocky Mountain Spotted Fever," 1907
- "Further Observations on Rocky Mountain Spotted Fever and Dermacentor Occidentalis," 1906
- "The Transmission of Rocky Mountain Spotted Fever by the Bite of the Wood-tick (Dermacentor Occidentalis)," 1906

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"Further experiments with the wood-tick in relation to Rocky Mountain Spotted Fever," manuscript and offprint, 1907

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Writings

- "A summary of investigations of the nature and means of transmission of Rocky Mountain Spotted Fever," manuscript and offprints, 1907
- "A summary of investigations of the nature and means of transmission of Rocky Mountain Spotted Fever," Transactions of the Chicago Pathological Society, Vol. VII, No. 3, December 1, 1907

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"Studies on immunity in Rocky Mountain Spotted Fever" by HTR and L. Gomez, 1manuscript and offprint, 1908

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"Spotted Fever Report No. One; General report of an investigation of Rocky Mountain Spotted Fever carried on during 1906-07" 1908

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"Recent studies of Rocky Mountain Spotted Fever in Montana and Idaho," 1908

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"Spotted Fever Report no. Two," December 1908

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Offprints on Rocky Mountain Spotted Fever, 1906-10

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"Vaccination in surgical infections," n.d

Series IV: Memorabilia

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Photographs and description of the Ricketts' Museum in Hamilton, Montana

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Clippings scrapbook (photostat). Part II; Journal articles on Rocky Mountain Spotted Fever and Typhus

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Clippings scrapbook (photostat). Part III; Tributes to Ricketts' research

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Clippings scrapbook (photostat). Part IV; Articles from Mexican journals

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Clippings scrapbook (photostat). Part V; Posthumous honors and awards

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Clippings scrapbook (photostat). Part VI; Biographical articles; Ricketts Award recipients

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Clippings scrapbook (photostat). Part VII. Posthumous honors; articles from Mexican journals

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Clippings scrapbook (photostat). Part VIII. Oversize newspaper articles

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Correspondence to Elisabeth Ricketts Palmer, 1977

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Microfilm of clipping scrapbook

Box 14

Ribbon from Ricketts' casket

Box 14

Primera Reunion Interamericana del Tifo; Mexico, D.F. 1945; two silver medals

Box 14

University of Chicago, Howard T. Ricketts Award Medal;

Box 14

U.S. Typhus Commission Medal for Meritorious Service

La Sienta Asamblea Medica de Occidente in Memoria del Dr. H.T. Ricketts, November, 1963; Presented to Elisabeth Ricketts Palmer

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Howard T. Ricketts Clipping scrapbook

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Bound photostatic copy of the HTR Scrapbook, 1941

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Photostatic negatives of the scrapbook, 1965

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Folder 2

Photostatic negatives of the scrapbook, 1965

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Plaster cast of the Howard Taylor Ricketts Award Medal.

Series V: Visual Material

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Lantern slides, for lecture on Rocky Mountain Spotted Fever, undated

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Anatomical slides, circa 1890s-1900s

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Anatomical slides, circa 1890s-1900s

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Anatomical slides, circa 1890s-1900s

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Anatomical slides, circa 1890s-1900s

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Wooden slide cases, empty