



Smithsonian Institution Archives

Henry Guernsey Hubbard Papers, 1871-1899

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Collection Overview

Repository:	Smithsonian Institution Archives, Washington, D.C., osiaref@si.edu
Title:	Henry Guernsey Hubbard Papers
Identifier:	Record Unit 7107
Date:	1871-1899
Extent:	1.93 cu. ft. (2 document boxes) (2 half document boxes) (1 12x17 box)
Creator::	Hubbard, Henry Guernsey
Language:	English

Administrative Information

Preferred Citation

Smithsonian Institution Archives, Record Unit 7107, Henry Guernsey Hubbard Papers

Historical Note

Henry Guernsey Hubbard (1850-1899), horticulturist, botanist, and entomologist, graduated from Harvard University in 1873. His interest in entomology was influenced by Hermann Hagen, Baron von Osten-Sacken, and Eugene Amandus Schwarz, who became his closest professional colleague. Hubbard and Schwarz conducted several expeditions to Michigan, collecting specimens in the Lake Superior region in 1874, 1876, 1877, and 1878. In 1877 he travelled to Jamaica to study and collect termites. He accepted a position as naturalist with the Geological Survey of Kentucky in 1879, and became interested in the fauna of caves. Between 1880 and 1889, Hubbard lived in Florida where his research was primarily concentrated on horticulture. His entomological work during these years focused on insect pests of the orange tree and he developed a kerosene emulsion as a remedy for haustellate insects. This work culminated in publication of the Department of Agriculture *Report on Orange Insects* in 1885. From 1889 to 1892, Hubbard made collecting trips to Michigan, Montana, Utah, and Oregon. He returned to Florida in 1893 to conduct investigations of the insect guests of the Florida land tortoise. In 1894 he accompanied Charles V. Riley on a collecting trip to the British West Indies. Between 1896 and his death in 1899, his health interfered with his work, although he continued to collect whenever possible.

Introduction

This finding aid was digitized with funds generously provided by the Smithsonian Institution Women's Committee.

Descriptive Entry

The papers of Henry Guernsey Hubbard primarily concern his research on the taxonomy and biology of insects, especially pests of cotton and orange trees. Also included is material concerning his interest in botany and horticulture. They include field notebooks, documenting work in Arizona, California, Colorado, Florida, Kentucky, Michigan, Virginia, and Jamaica; drawings, notes and plates relating to Hubbard's publications; and correspondence with Theodore D. A. Cockerell, Hermann August Hagen, Leland Ossian Howard, John Lawrence LeConte, Friz Muller, and Eugene Amandus Schwarz.

Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

Subjects:

- Botanists
- Botany
- Entomologists
- Entomology
- Horticulturists

Types of Materials:

- Drawings
- Field notes
- Manuscripts
- Scientific illustrations

Names:

- Agassiz, Louis, 1807-1873
- Cockerell, Theodore D. A. (Theodore Dru Alison), 1866-1948
- Gray, Asa, 1810-1888
- Hagen, Hermann August, 1817-1893
- Harvard University
- Howard, L. O. (Leland Ossian), 1857-1950
- Hubbard, Henry Guernsey
- LeConte, John L. (John Lawrence), 1825-1883
- Müller, Fritz, 1822-1897
- Osten-Sacken, C. R. (Carl Robert), 1828-1906
- Schwarz, Eugene Amandus, 1844-1928

Container Listing

Series 1: NOTEBOOKS, 1873-1899.

This series consists mostly of field notebooks and diaries maintained by Hubbard on collecting trips. Also included are observations (biological information), rearing data, readings lists, and a few notes taken during his college career at Harvard.

Box 1

- | | |
|------------|---|
| Box 1 of 4 | Folder 1 Notes, probably taken at Harvard, 1873 |
| Box 1 of 4 | Folder 2 List of Coleoptera collected in the lower peninsula of Michigan, Hubbard and Schwarz, 1877 |
| Box 1 of 4 | Folder 3 Notes from Jamaica, 1877 |
| Box 1 of 4 | Folder 4 Journal of trip to New York State, 1878, also including information on a trip while a student at Harvard, circa 1871 |
| Box 1 of 4 | Folder 5 Expedition to Cumberland Mountains of Virginia and Mammoth Cave, Kentucky, 1879 |
| Box 1 of 4 | Folder 6 Observations made in Florida on cotton worms and other pests done for the United States Entomological Commission |
| Box 1 of 4 | Folder 7 Rearing records and Florida Notes (Experiments), notably Hubbard's development of kerosene emulsion, and Biological Series, work on orange insects, 1895 |
| Box 1 of 4 | Folder 8 Florida Diary, 1880 |
| Box 1 of 4 | Folder 9 Florida Diaries, 1880-1881 |
| Box 1 of 4 | Folder 10 Florida Diaries, 1881-1882
Image(s): Entry for September 27 from "Diary Hubbard, Fla., Sept 25, 1881 to Feb 22, 1882" (Image no. SIA2011-2210)
Image(s): Entries from October 21 and 22 from "Diary Hubbard, Fla., Sept 25, 1881 to Feb 22, 1882" (Image no. SIA2011-2211)
Image(s): Insert with recipe for emulsion no. 3 - Recipe for a pesticide containing kerosene, water, and condensed milk. (Image no SIA2011-2212)
Image(s): Insert with corrections for emulsion no. 3 - Recipe for a pesticide containing kerosene, water, and condensed milk. (Image no. SIA2011-2213)
Image(s): Examination of Experiment no. 11 - Hubbard is examining orange trees infested with insect pests. (Image no. SIA2011-2214) |
| Box 1 of 4 | Folder 11 Field Notebooks of trip to Lake Superior area of United States and Canada, 1889 |

- Box 1 of 4 Folder 12 Diaries of expeditions to Portland, Oregon, with Schwarz, list of photographs taken, 1892
- Box 1 of 4 Folder 13 Diary of trip to British West Indies with Riley, 1894
- Box 1 of 4 Folder 14 Biological Series, Crescent City, Florida (related to experiment book of 1881), 1895
- Box 1A
- Box 1A of 4 Folder 15 Biological, Arizona, 1896-1898, mostly observations
- Box 1A of 4 Folder 16 Field Notes and Diary of trip to Arizona, 1896-1897, and the Colorado Desert, 1897
- Box 1A of 4 Folder 17 Field Notes, Arizona, 1897
- Box 1A of 4 Folder 18 Field Notes, Arizona, 1897 (volume 2)
- Box 1A of 4 Folder 19 Field Notes, Arizona, 1898
- Box 1A of 4 Folder 20 Miscellaneous Notebooks, dating as late as 1899, including addresses of associates or correspondents, lists of equipment for outings, books to be purchased or read

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Series 2: CORRESPONDENCE, 1876-1892.

Box 2

Box 2 of 4

Folder 1 Letters from Eugene Amandus Schwarz, 1891-1892

Box 2 of 4

Folder 2 Correspondence received and draft copies of letters, 1876, 1880-1881, 1895-1896. Correspondents include Theodore D. A. Cockerell, Hermann August Hagen, Leland Ossian Howard, John Lawrence LeConte, and Friz Muller.

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Series 3: NOTES, DRAWINGS, PLATES.

Box 2

- Box 2 of 4 Folder 3 Jamaican Notes. A general paper on Jamaica, probably for a talk after Hubbard's trip to the British West Indies in 1894.
- Box 2 of 4 Folder 4 Plates and Illustrations, Orange Insects
- Box 2 of 4 Folder 5 Notes and Illustrations
- Box 2 of 4 Folder 6 Notes on enemies of the Orange Tree
- Box 2 of 4 Folder 7 Notes for Illustrations and the Illustrations for publications relating to orange insects
- Box 2 of 4 Folder 8 Drawings
- Box 2 of 4 Folder 9 Drawings, Descriptions and Plates
- Box 2 of 4 Folder 10 Illustrations for paper on Ambrosia Beetles

Box 3

- Box 3 of 4 Folder 1 Lists of Coleoptera Collected, Arizona, Utah, Florida, 1879-1891
- Box 3 of 4 Folder 2 Notes. Coleoptera found in Arizona, New Mexico, California.
- Box 3 of 4 Folder 3 Field Notes, probably California
- Box 3 of 4 Folder 4 "The Moonshiners of the Pocket Country." Anecdotes from field trips to Cumberland Mountains of Virginia.
- Box 3 of 4 Folder 5 Catalogue and Index to Michigan Coleoptera collected in 1874

Box 4

- Box 4 of 4 Folder 1 Lists of collections from Yellowstone Park, N. W. U. S., Kentucky, Virginia, Arizona and Colorado desert

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