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The Papers of Charles Valentine Riley

A Register of His Papers in the National Agricultural Library

Bibliographies
and Literature
of Agriculture
Number 92

June 1990



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The Papers of Charles Valentine Riley

A Register of His Papers in the National Agricultural Library

Compiled and edited by
Judith J. Ho
and
Willie Yuille

National Agricultural Library
Beltsville, Maryland 20705

June 1990

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F. W. Guerin

ST. LOUIS.

Late nineteenth century portraiture card photograph of Charles Valentine Riley taken by F. W. Guerin, St. Louis, Missouri. From the Papers of Charles Valentine Riley, National Agricultural Library, Special Collections, U. S. Department of Agriculture, Beltsville, Maryland.



Drawing taken from the unpublished notebook, *Natural History of Insects* (1858), done as a young boy by Charles Valentine Riley (1843-95); manuscript located in the National Agricultural Library, Special Collections, U. S. Department of Agriculture, Beltsville, Maryland.

Foreword

When Isaac Newton, the first Commissioner of Agriculture, outlined the program for a new department in 1862, he placed near the top of his list the establishment of an agricultural library. It was his belief that "the most valuable work would gradually accumulate by exchange, gift, and purchase, forming a rich mine of knowledge." Since that time, the National Agricultural Library (NAL) has assembled a collection of over 2 million volumes, inclusive of historic and/or rare imprints.

The National Agricultural Library's Special Collections area comprises original manuscripts, archival materials, rare books, early periodicals, pamphlets, photographs, posters, maps, works of art, audio-visual materials, and a variety of ephemeral material which, because of physical characteristics, age, value, content, or appearance, has been judged rare or requires special custodial or environmental care. The Library's Special Collections Program staff welcomes the opportunity to receive, preserve, and make available manuscript material of historic value including diaries, account books, letters, notebooks, memoirs, and reminiscences pertaining to agriculture and its many related fields. Early scientific materials created prior to 1870 will be especially welcome, as well as later, unique material of a definite historical and scientific significance.

International in scope, the subject range of the Special Collections, although quite diverse, has strong concentrations of rare books in botany, natural history, zoology, and entomology, as well as extensive imprint literature documenting agricultural observations, experimentations, and practices in England, continental Western Europe, and America. In addition to important travel accounts by early naturalists, there is an extensive collection of pre-Linneana imprints relating to the description of plants, as well as works by or about the eminent Carl Linnaeus (1707-78).

Particularly noteworthy donated manuscript collections include the following: the personal papers of Julian N. Friant (1888-1939), a special assistant to Secretary of Agriculture Henry Wallace; the personal papers of Charles E. North (1869-1961), physician, public health officer, and agricultural scientist; the organizational records of the Prince family nursery (1779-1914); the American Association of Agricultural College Editors (1913-present); and the Truman Fossum Floriculture Collection. From the time of the first librarian on the department roster (Aaron Burt Gosh, 1867-69) to the present, outstanding works and collections have been donated to the National Agricultural Library by individual Americans and private organizations, to be preserved and made available

to scholars and researchers. In an effort to provide awareness and access, the following historical finding aids have been published: Historic Books..., List No. 86; Linneana, List No. 89; Historic Books Concerning Horticulture and Forestry, List No. 90; Heritage of American Agriculture: A Bibliography of Pre-1860 Imprints, List No. 98; Heritage of Apicultural Literature...Pre-1870, Associates NAL Today, N.S., 1, No. 101; Guide to Manuscripts at NAL, Misc. No. 1374; The Prince Family Manuscript Collection, Library List No. 101; The Papers of Layne R. Beaty, BLA No. 33.

The register of the Charles Valentine Riley Manuscript Collection, prepared by Judith J. Ho and Willie Yuille, is a welcome contribution in the Library's efforts to provide accurate and convenient access to holdings.

We wish to thank the following people in particular for assisting us with their knowledge and expertise: Dr. Ed Smith, Professor Emeritus, Cornell University, for reviewing biographical details of Riley's life; Dr. Lloyd Knutson, USDA-ARS, Director, Biosystematics and Beneficial Insects Institute, and staff, for reviewing the manuscript for scientific accuracy; Dr. Carol Anelli Sheppard, USDA-ARS Entomology Lab for details on Riley material in other collections; and a special thanks to Dr. Gordon Gordh, Jr., Professor of Entomology, University of California at Riverside, for his in-depth editing and review of the manuscript for scientific, biographical and general accuracy. Their efforts and suggestions were essential to the final completion of this manuscript register.

ALAN FUSONIE

Head, Special Collections

National Agricultural Library

National Agricultural Library Special Collections

Charles Valentine Riley Papers

Arranged and Described by Judith J. Ho, Special Collections, and Willie Yuille, Graduate Student at the University of Maryland.

Date Completed: June 30, 1986

Linear Feet of Shelf Space Occupied: 8

Approximate Number of Items: 320

The papers of Charles Valentine Riley were given to the National Agricultural Library in 1978 by Riley's granddaughter, Emilie Wenban-Smith of Hampshire, England, on behalf of the late Catherine Vedula Riley, daughter of Charles Valentine Riley.

Biographical Note

"Professor Riley," as he was generally known, was born in Chelsea, London, England, on September 19, 1843. He attended boarding school at Dieppe, France and Bonn, Germany. Passionately fond of natural history, drawing, and painting, he collected and studied insects and sketched them in pencil and in color. At both Dieppe and Bonn, he won prizes in drawing and was encouraged to pursue art as a career.

At the age of 17, he came to the United States and settled on an Illinois farm about 50 miles from Chicago. Soon his attention was drawn to insect injuries to crops, and he sent accounts of his observations to the **Prairie Farmer**. At the age of 21, Riley moved to Chicago and worked for this leading agricultural journal as a reporter, artist, and editor of its entomological department. His writings attracted the attention of Benjamin D. Walsh, the Illinois State entomologist. It was through Walsh's influence as well as the recommendation of N.J. Coleman of **Coleman's Rural World** that Riley was appointed in the spring of 1868 to the newly created office of entomologist of the State of Missouri. From 1868 to 1877, in collaboration with T.W. Harris, B.D. Walsh, and Asa Fitch, Riley published nine annual reports as State Entomologist of Missouri, which unequivocally established his reputation as an eminent entomologist. Today, authorities agree that these nine reports constitute the foundation of modern economic entomology.

From 1873 to 1877, many Western States and territories were invaded by grasshoppers from the Northwest. In some states their destruction of crops was so serious that it caused starvation among pioneer families. Riley studied this plague and published results in his last three Missouri annual reports, and worked to bring it to the attention of Congress. In March 1877, he succeeded in securing passage of a bill creating the United States Entomological Commission, the Grasshopper Commission administered under the Director of the Geological Survey of the U.S. Department of the Interior. Riley was appointed chairman, A.S. Packard, Jr., secretary, and Cyrus Thomas, treasurer.

All this time, Riley, with the help of Otto Lugger, Theodore Pergrande, and others, was also making brilliant contributions to the knowledge of the biology of insects. Besides studying the life cycles of the 13 and 17 year cicadas, he also studied the remarkable *Yucca* moth and its pollination of the *Yucca* flower, a matter of special evolutionary interest to

Charles Darwin. In addition, he conducted intensive life history studies of blister beetles and their unusual triungulin larvae, and the caprification of the fig.

In the spring of 1878, Townend Glover retired as entomologist to the U.S. Department of Agriculture and Riley was appointed his successor. After a year in this position, Riley resigned owing to a disagreement with the Commissioner of Agriculture over Riley's practice of making independent political contacts; he then continued the work of the U.S. Entomological Commission with others, from his home. Two years later, after the inauguration of President Garfield in 1881, Riley was reappointed and remained chief of the Federal Entomological Service until June 1894, when the Service was renamed the Division of Entomology of the U.S. Department of Agriculture. In 1882, Riley gave part of his insect collection to the U.S. National Museum, now The Smithsonian Institution, at which time he was made honorary curator of insects. In 1885, he was appointed assistant curator of the Museum, thus becoming the Museum's first curator of insects, whereupon he gave the Museum his entire entomology collection consisting of 115,000 mounted insect specimens (20,000 species), an alcohol collection of 2,800 vials, and 3,000 slides of minute insects in Canada balsam.

One of Riley's greatest triumphs while Chief of the Federal Entomological Service was his initiation of efforts to collect parasites and predators of the cottony cushion scale, which was destroying the citrus industry in California. In 1888, he sent Albert Koebele to Australia to collect natural enemies of the scale. A beetle, *Vedalia cardinalis*, now *Rodolia cardinalis*, was introduced into California and significantly reduced populations of the cottony cushion scale. This effort gave great impetus to the study of biological control for the reduction of injurious pests and established Charles Valentine Riley as the "Father of Biological Control." For a review of the cottony cushion scale project, see Doutt, 1958.

A prolific writer and artist, Riley authored over 2,400 publications. During his lifetime, he also published two journals, the **American Entomologist** (1868-80) and **Insect Life** (1889-94). Riley received many honors during his lifetime. He was decorated by the French Government for his work on the grapevine *Phylloxera*. He received honorary degrees from Kansas State University and the University of Missouri. He was an honorary member of the Entomological Society of London, and founder and first president of the Entomological Society of Washington. He and Dr. L.O. Howard, Riley's assistant in

the Federal Entomological Service, were among the founders of the American Association of Economic Entomologists, which became part of the Entomological Society of America in 1953.

Tragically, on September 14, 1895 Riley's life was cut short by a fatal bicycle accident. As he was riding rapidly down a hill, the bicycle wheel struck a granite paving block dropped by a wagon. He catapulted to the pavement and fractured his skull. He was carried home on a wagon and never regained consciousness. He died at his home the same day at the age of 52, leaving his wife with 6 children.

Scope and Content Note

The Charles Valentine Riley Collection focuses on the history of economic entomology and the development of biological control of insects injurious to crops, and on Riley's energetic efforts on its behalf during the latter part of the 19 century. The collection contains 10 archival boxes and 320 folders, and consists of the following: Correspondence to C.V. Riley, unpublished lectures, notes, personal papers and photographs, news clippings, drawings, reports, reprints and books by C.V. Riley. There are two appendixes included in this register: Appendix I lists additional records of Charles Valentine Riley in other collections. Appendix II lists publications by Charles Valentine Riley in the National Agricultural Library.

Series Description

Box 1.

Series 1. Correspondence, 1871-94.

This series includes correspondence, chronologically arranged, to C.V. Riley from Charles Darwin, William Saunders (1835-1914), and A.S. Packard (1839-1905), among others. There are also letters from Riley to Henry de Varigny discussing evolution, and to Morton, Samuel H. Scudder, and others on his resignation and entomological matters.

Box 2.

Series 2. Unpublished Lectures, 1868-92.

Included are lectures given at Columbia University, and addresses to the National Agriculture Congress, Lowell Institute. These are arranged in chronological order.

Box 3.

Series 3 Notes, Personal Papers, and Photographs, 1871-89.

This series includes Riley's notes describing bees and wasps, fungi, evolution, butterflies and seeds; a wedding announcement; Swedish award; architectural designs of Riley's house; memorabilia; photographs of people and insects. All are chronologically arranged.

Box 4.

Series 4. News clippings, 1874-1901.

Included are news clippings related primarily to Riley's resignation and death, and some miscellaneous articles on other entomological matters, testimonials, and awards. These are arranged chronologically.

Series 5. Biographies, 1888-96.

This series includes articles on the life of C.V. Riley from the various newspapers and magazines of his day.

Box 5.

Series 6. Drawings, 1877-80.

Included in this series are drawings of beetles, wasps, ants, and *Yucca* moths. All are chronologically arranged.

Series 7. *Yucca* Study, 1872-94.

This series contains letters, reports, and drawings related to Riley's study of the pollination of the *Yucca* plant and the life cycle of the *Yucca* moths. The materials are arranged in chronological order within each group.

Boxes 6-10.

Series 8. Reports, Reprints, and Books, 1868-1919.

This series contains many of the Missouri reports, an atlas, bulletins of the U.S. Entomological Commission, lectures at the National Museum, reprints of articles from magazines of the day. There are some publications after 1900 by Catherine Vedula Riley, daughter of C.V. Riley.

Series 9. Appendix I.

Records of Charles Valentine Riley in other collections.

Series 10. Appendix II.

Publications by C.V. Riley in the National Agricultural Library.

Container Listing

Box No.:	Folder Nos.:	Contents:
1	1-48	Correspondence to and from C.V. Riley, 1871-94
2	49-59	Unpublished Lectures, 1868-92
3	60-76 77-93	Notes and Personal Papers, 1871-89 Photographs, 1871-89
4	94-171	Resignation, death, and misc., articles, 1874-1901
	172-186	Biographies, 1888-96
5	187-209 210-243	Drawings, 1877-80 <i>Yucca</i> Study, 1872-94
6	244-257	Reports, Reprints, and Books
7	258-263	Reports, Reprints, and Books

8	264-310	Reports, Reprints, and Books
9	311-314	Reports, Reprints, and Books
10	315-320	Reports, Reprints, and Books

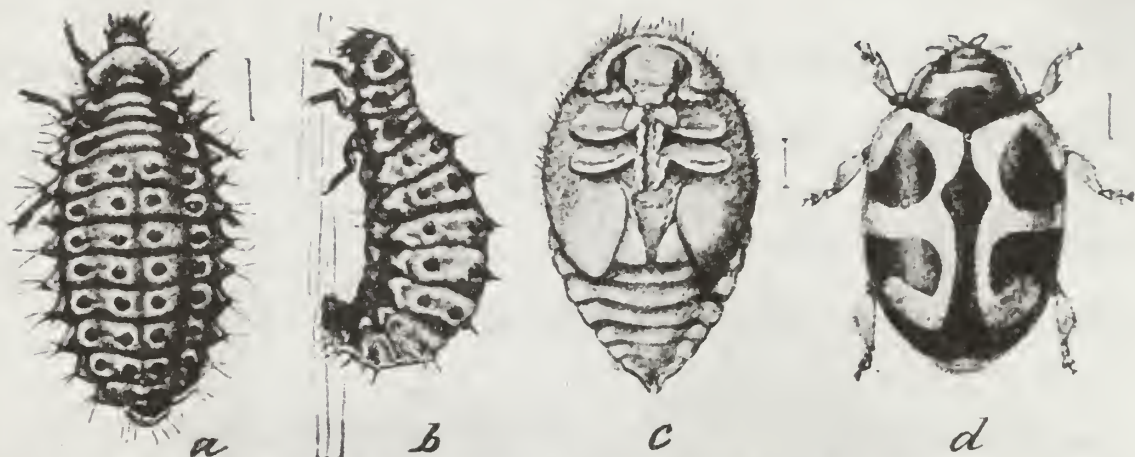


FIG. 31.—*Vedralia cardinalis*: a, larva, dorsal view; b, Larva, from side; c, pupa; d, adult—enlarged (original).

Transformations of *Vedralia cardinalis*.

Drawing of the *Vedralia* beetle, *Vedralia cardinalis*, of Lady Bird, a beneficial insect introduced into the U. S. by C. V. Riley from Australia to control the cottony cushion scale on citrus plants in California. From the Charles Valentine Riley Collection, National Agricultural Library, Special Collections, U. S. Department of Agriculture, Beltsville, Maryland. This photo was also used as the background illustration on the cover.

SERIES 1. CORRESPONDENCE, 1871-1894.

Box 1. Correspondence to C.V. Riley

Folder 1. Darwin to Riley. June 1, 1871

Letter from Charles Darwin to C.V. Riley thanking him for report and instructions on noxious insects.

Downs, Beckerham, Kent (England). 2 pp. (handwritten copy of original) (letter to C.V. Riley, State entomologist, Missouri, 1874-76)

Subject: mimetic insects; noxious insects.

Folder 2. Koble to Riley. June 30, 1874

Letter from John C. Koble giving physical description of chinch bugs and explaining how the bugs are destroying corn crops in western Kentucky.

John C. Koble of L.S. Trimble and Co., Bankers. 2 pp.

(Letter to Prof. C.V. Riley, State entomologist, Missouri, 1874-76)

Subject: Chinch bugs; corn crops.

Folder 3. Saunders to Riley. Nov. 12, 1874

William Saunders receipt to C.V. Riley for a copy of descriptions of two insects that baffle the vegetable carnivora.

William Saunders, Dept. of Agriculture, Washington, D.C. 2 pp.

(Letter to C.V. Riley, State Entomologist, Missouri, 1874-76)

Subject: Vegetable carnivora.

Folder 4. Young to Riley. Dec. 13, 1874

William Young describes the flatheaded borer and its effects on orchards during summer and winter seasons.

From Palmyra Gate Co., Neb. 3 pp.

(Letter to C.V. Riley, State Entomologist, Missouri, 1874-76)

Subject: Flatheaded borer; orchards.

Folder 5. Saunders to Riley. Dec. 22, 1874

William Saunder's receipt of notes of investigation on the insects associated with *Sarracenia*.

William Saunders, Dept. of Agriculture, Washington, D.C. 1 pp.

(Letter to C.V. Riley, State Entomologist, Missouri, 1874-76)

Subject: *Sarracenia*.

Folder 6. Bonhaw to Riley. Jan. 19, 1875

L.N. Bonhaw requesting a copy of his Missouri report, for him to establish a manual or handbook on entomology, and to find out about an insect that deposits eggs.

(Letter to C.V. Riley, State Entomologist, Missouri, 1874-76)

Subject: Tomato worm; Hawk Moth.

Folder 7. Holliday to Riley. May 16, 1875

Thomas Holliday congratulates Riley for success of (Missouri) report.

Thomas Holliday, auditors office, Missouri, city of Jefferson, 1 pp.

(Letter to C.V. Riley, State Entomologist, Missouri, 1874-76)

Folder 8. Phillips to Riley. Sept. 13, 1876

J.B. Phillips asking for copy of reports and information about the potato bug.

From the State of Missouri, Office of the Secretary, 1 pp.

(Letter to Prof. C.V. Riley, State Entomologist, Missouri, 1874-76)

Subject: Potato Bugs; Locust.

Folder 9. Saunders to Monteith. June 13, 1876

William Saunders thanks John Monteith for a copy of Riley's Eighth Annual Report.

William Saunders, Dept. of Agriculture, Washington, D.C., 2 pp.

(Letter to Prof. C.V. Riley, State Entomologist, Missouri, 1874-76)

Folder 10. Darwin to Riley. May 19, 1877

Thank you letter from Charles Darwin to C.V. Riley for copy of his ninth (Entomology) report.

(a handwritten copy of autograph letter) Downs, Beckerham, Kent (England)
Railroad Station Orpington, S. E. R.

Subject: Sawfly.

Folder 11 C.V. Riley to Varigny. Feb. 11, 1880

C.V. Riley writes Varigny discussing evolution.

U.S. Department of Agriculture stationery.

Subject: Evolution; Heredity; *Doryphora*, *Pieris rapae*.

Folder 12. D.S. Sheldon to C.V. Riley. Apr. 6, 1880

Sheldon writes about hemispherical larva at the bottom of anthill.

Answer to letter is published in May 1880, **American Entomologist**, p. 129.

Subject: Anthill; Hemispherical larva.

Folder 13. Riley to Morton. Apr. 26, 1894

C.V. Riley resignation letter to Sterling Morton, Secretary of Agriculture.

Subject: Resignation.

Folder 14. Shaffer to Riley. May 5, 1894

Dr. J.M. Shaffer requesting Riley to write him in regards to a news clipping about his resignation from the U.S. Department of Agriculture.

Copy of original news clipping about Riley's resignation, May 2, 1894, is included in the letter.

Subject: Resignation.

Folder 15. Packard to Riley. May 6, 1894

A.S. Packard letter to C.V. Riley on his resignation from the U.S. Department of Agriculture.

Subject: Resignation.

Folder 16. Pammel to Riley. May 6, 1894

L.H. Pammel writes Riley to express regrets on his resignation from the U.S. Department of Agriculture.

Letter on Iowa Agricultural College, Office of Botanist, stationery.

Subject: Resignation.

Folder 17. Shamel to Riley. May 8, 1894

C.A. Shamel writes Riley for facts concerning his resignation from the U.S. Department of Agriculture.

Subject: Resignation.

Folder 18. Riley to Love. May 9, 1894

C.V. Riley writes Mrs. L.P. Love about his resignation and thanking her for an invitation to the microscopical exhibition.

Subject: Resignation.

Folder 19. Shamel to Riley. May 9, 1894

C.A. Shamel writes C.V. Riley about a copy of his resignation appearing in the Orange Judd Farmer Co.

*News clipping dated 5/12/84 under "Prof. Riley Resigns." Written on the Orange Judd Farmer Co., publishing stationery.

Subject: Resignation.

Folder 20. Riley to Scudder. May 9, 1894

C.V. Riley writes Samuel H. Scudder in response to his resignation from the U.S. Department of Agriculture. (copy)

Subject: Resignation.

Folder 21. Riley to Pammel. May 9, 1894

C.V. Riley writes L.H. Pammel to assure him his resignation was not called for from the U.S. Department of Agriculture. (copy)

Subject: Resignation.

Folder 22. Riley to Shaffer. May 9, 1894

C.V. Riley writes J.M. Shaffer in reference to his letter of the 5th of May, regarding his resignation from the U.S. Department of Agriculture.

Subject: Resignation.

Folder 23. Riley to Packard. May 9, 1894

C.V. Riley writes A.S. Packard thanking him for his letter in regard to his resignation from the U.S. Department of Agriculture.

Subject: Resignation.

Folder 24. Riley to Hinrichs. May 11, 1894

C.V. Riley writes H. Hinrichs regarding his resignation from the U.S. Department of Agriculture.

Subject: Resignation.

Folder 25. Riley to Wiley. May 12, 1894

C.V. Riley writes H.W. Wiley for Dr. W. St. George to become member of the Cosmos Club.

Included is a note from Wiley stating his sorrow for Riley's resignation.

Letter is on U.S. Department of Agriculture stationery.

Folder 26. Bush to Riley. May 12, 1894

Isidor Bush writes C.V. Riley about his resignation, and insects and diseases affecting grape growers.

The letter is on stationery from Bushberg Grape Nurseries and Vineyards and Orchards of Bush & Son & Meissner.

Subject: Resignation; Bordeaux; Grape Growers.

Folder 27. Harkness to Riley. May 12, 1894

Harkness writes Riley expressing sorrow about his resignation from the U.S. Department of Agriculture.

Subject: Resignation.

Folder 28. Dak to Riley. May 13, 1894

Cardine H. Dak writes to Riley expressing regrets for his resignation from the U.S. Department of Agriculture.

Subject: Resignation.

Folder 29. Feudden to Riley. May 14, 1894

Sam W. Feudden writes C.V. Riley on his resignation and to thank him for *Ceuthophili*.

Subject: *Ceuthophili*; *Neuthophilus*.

Folder 30. Periam to Riley. May 14, 1894

Jonathan Periam writes C.V. Riley about his resignation from the U.S. Department of Agriculture.

Subject: Resignation.

Folder 31. Lintner to Riley. May 14, 1894

J.A. Lintner writes C.V. Riley about his resignation from the U.S. Department of Agriculture.

Subject: Resignation.

Folder 32. Edwards to Riley. May 14, 1894

W. Edwards writes Riley concerning his resignation from the U.S. Department of Agriculture.

Subject: Resignation.

Folder 33. Hubbard to Riley. May 15, 1894

G. Hubbard writes C.V. Riley about speaking to the Geographical Society about the locusts and his resignation from the Department of Agriculture.

On stationery that reads "Twin Oaks-West-Washington, D.C."

Subject: Locusts.

Folder 34. Secrow to Riley. May 16, 1894

F. Secrow writes C.V. Riley expressing his regrets for Rouse, losing his job.

Subject: Retirement.

Folder 35. Neal to Riley. May 16, 1894

J.C. Neal in response to his circular letter explaining his resignation from the U.S. Department of Agriculture.

Agricultural Experiment Station stationery, Stillwater, Okla.

Subject: Resignation.

Folder 36. Southwick to Riley. May 16, 1894

Edward B. Southwick writes Riley about his resignation from the U.S. Department of Agriculture.

Subject: Resignation.

Folder 37. Bessey to Riley. May 16, 1894

Charles E. Bessey writes Riley about expressing his sorrows about his notification to resign from the U.S. Department of Agriculture.

Letter on University of Nebraska stationery.

Subject: Resignation.

Folder 38. Osborne to Riley. May 16, 1894

Herbert Osborne writes Riley expressing his regrets for his resignation.

On Experiment Station stationery, Iowa Agricultural College.

Subject: Resignation.

Folder 39. Shaffer to Riley. May 17, 1894

J.M. Shaffer writes Riley about his resignation from the U.S. Department of Agriculture.

Subject: Resignation.

Folder 40. Hopkins to Riley. May 18, 1894

A.D. Hopkins writes C.V. Riley about his resignation from the U.S. Department of Agriculture.

Letter on West Virginia Agricultural Experiment Station stationery.

Subject: Resignation.

Folder 41. Hubbard to Riley. May 19, 1894

Gardner Hubbard writes Riley to expressing his regrets about not attending a meeting held at the Geographical Society about the locust.

Subject: Locust.

Folder 42. Monell to Riley. May 21, 1894

J.T. Monell writes Riley about expressing sorrow for his resignation from the U.S. Department of Agriculture.

Subject: Resignation.

Folder 43. Cowles to Riley. May 21, 1894

Calvin Cowles writes Riley expressing regrets about his resignation from the U.S. Department of Agriculture.

Subject: Resignation.

Folder 44. Forbes to Riley. May 21, 1894

S.A. Forbes writes Riley about the published report on his resignation from the U.S. Department of Agriculture.

On State of Illinois, Office of the State Entomologist, stationary.

Subject: Resignation.

Folder 45. Riley to Cowles. May 24, 1894

C.V. Riley writes Charles J. Cowles about his resignation.

Subject: Resignation.

Folder 46. Riley to Forbes. May 24, 1894

C.V. Riley writes S.A. Forbes about his resignation from the U.S. Department of Agriculture.

Subject: Resignation.

Folder 47. Riley to Neal. May 24, 1894

C.V. Riley writes J.C. Neal about his resignation from the U.S. Department of Agriculture.

Subject: Resignation.

Folder 48. C.V. Riley to E.E. Southwick. May 24, 1894

C.V. Riley writes E.E. Southwick in regard to his resignation from the U.S. Department of Agriculture.

Subject: Resignation.

SERIES 2. UNPUBLISHED LECTURES, 1868-1892.

Box 2. Lectures of C.V. Riley

Folder 49. Lectures given at Columbia University, 1868-69.

Lecture notes given at Columbia University, subject: "Natural History-Some of its Curiosities."

Subject: Honey bees; Banyan; Roat louse; Apple bulb moth; Cutworm; Apple worm; Flower beetles; Apple; Apple tree; Beetles; Metamorphosis; Caterpillars; Butterfly; Flat worm; Crab; Sea creatures; Sea; Sponges; Jelly fish; Periodical cicada; Cicada; Oviposition; Fruit trees.

Folder 50. Address before the National Agriculture Congress, St. Louis, summer 1872. Lecture on Entomology.

Subject: Chinchbug; Hessian fly; Wheat midge; Joint worm; Apple root; Apple worm; Caterpillar; Noxious insects; Plant lice; Pests; Parasites.

Folder 51. Lowell Institute. Lecture I, "Scope and Importance of Entomology," Dec. 28, 1891.

A series of eight lectures on entomology given at the Lowell Institute. Included are drawings.

Subject: Entomology; Insect; Arthropoda; Worms; Hymenoptera; Honey bee; Horn tails; Coleoptera; Beetles; Butterfly; Moth; Silkworm; Lepidoptera; Bug; Larvae; Neuroptera; Lice; Caterpillars; Jelly fish; Worm; Cotton worm; Potato beetle.

Folder 52. Lowell Institute. Lecture II, "Means of Dealing with our Insects: Insecticides and Insecticide Appliances," Dec. 31, 1891.

A series of eight lectures on entomology given at the Lowell Institute. Drawings.

Subject: Noxious insects; Insecticide; Hessian fly; Worm; Lice; Poison; Arsenic; Gypsum; Resin; Larvae; Fungicide; Beetle; Nozzle.

Folder 53. Lowell Institute. Lecture III, "Some Natural Checks to Injurious Insects: Some Insect Foes of Cultivated Plants," Jan. 4, 1892.

A series of eight lectures on entomology given at the Lowell Institute.

Subject: Injurious insects; Insecticide; Parasite; Bacteriology; Worm; Moth; Noxious insects; *Phylloxera*; Hessian fly; *Icerya*; Larvae; *Entomophthora*; Chinchbug; Protozoan disease.

Folder 54. Lowell Institute. Lecture IV, "Little-Known Facts about Well-Known Household Pests, Jan. 7, 1892.

A series of eight lectures on entomology given at the Lowell Institute.

Illustrations. Includes: Two admission tickets for the Lowell Institute lectures; news clippings on the treatment of spiders (California Orchard & Farm, October 1891).

Subject: Bed bugs; *Acanthia lectularia*; Red ant; *Monomorium pharaonish*; Black ant; *Camponotus herculeanus*; Carpet beetle; Buffalo moth; Moth; Cockroach; *Periplaneta orientalis*; Croton bug; Dazflea; *Pulex canis*; Cat flea; Fishmoth; House fly; *Musca harpyia*; Mosquito; Fly.

Folder 55. Lowell Institute. Lecture V, "Organized Insect Societies; Ants, Bees and Wasps," Jan. 11, 1892.

A series of eight lectures on entomology given at the Lowell Institute.

Includes: Report "Social Insects from Psychological and Evolutional Points of View," April 1894. By C.V. Riley (Proceedings of the Biological Society of Washington).

Subject: Bees; Nectar; Honey; Pollen; *Apis*; *Anthophora*; Scraper; Italian bees; Ligurian bees; Ants; Termites; Wasps; Larvae; Arthropods; Caterpillars; Butterfly; Lice.

Folder 56. Lowell Institute. Lecture VI, "Gall Insects, Sawflies, Caprification, Parasitism," Jan. 14, 1892.

A series of eight lectures on entomology given at the Lowell Institute.

Subject: Gall flies; Cynipidae; Galls; *Cynips*; Sawflies; *Terebra*; Borer; Tenthredinidae; Lice; Bed bug; Beetle; Larvae; Ovipositor; Cynipidae; Fly; Horntail; Caterpillars; Bee; Worm; *Perga*; *Cephus*; *Lida*; Lice; Slug; Leech; Parasitism;

Folder 58. Lowell Institute. Lecture VII, "Some Interesting Insects on Various Orders: Our Shade Tree Defoliators, The Gypsy Moth," Jan. 18, 1892.

A series of eight lectures on entomology given at Lowell Institute.

Subject: Gypsy moth; Beetle; Moth; Bug worm; *Thyridopteryx ephemeraeformis*; Elmleaf beetle; White-marked Tussock moth; Web-worm; Canker worm;

Folder 59. Lowell Institute. Lecture VIII, "Insects & Flowers, Entomophilous and Entomophagous Plants. Insects and Their Relations to Plants," Jan. 21, 1892.

A series of eight lectures on entomology given at Lowell Institute.

Subject: Entomophilous; Entomophagous; Hymenoptera; Lepidoptera; *Yucca*; Larvae; *Pronuba*; Insectivorous plants; *Dorosera*; Sundews; Moth; Butterfly; *Aldrovanda vesiculosa*; *Sarracenia*; *Darlingtonia*; *Nepenthes*; Bladderworts; Ulricularia; *Pinguicula vulgaris*; Cryptozans; Phaenogams; *Desmodium*.

SERIES 3. NOTES, PERSONAL PAPERS, AND PHOTOGRAPHS, 1871-1889

Box 3. Notes, Personal Papers, and Photographs

Folder 60. Nova Scotia, 1880.

A diary on a trip to Nova Scotia. 6 pages.

Subject: Landscape; *Doryphora decemlinenta*.

Folder 61. "Notes of C.V. Riley," 1880.

1. Instinct-Reason
2. Man's Future

1. Notes describing the particularities of bees and wasps in collecting pollen.

2. Notes on the nature of man. Darwin, Murphy, and Romanes are quoted. 16 sheets of notes

Subject: Bees; Wasps; Earthworm; Evolution.

Folder 62. "Life and Growth of Fungi," 1880.

2 pages.

Notes on the chemical composition of the fungi.

Subject: Fungi; Schizomycetes.

Folder 63. "The Different Colors of Bee-Flowers and Honey-bees," 1881.

Different colors of beeflowers attract more honey bees than others.

2 pages (a note is included).

Subject: Honeybees; Bees; Beeflowers.

Folder 64. "Some Anecdotes of Huxley," 1886.

Eulogy to the late Prof. (?) Huxley. 2 pages.

Folder 65. "Evolution," undated.

Notes on man and evolution.

Subject: Evolution; Religion; Heredity.

Folder 66. "Notes on Missing Papers for 1863," from various journals.

Notes taken from the **American Entomologist** 1880-2nd copy. Box 6.

Folder 67. "Butterfly and Seeds," undated.

(Loose, torn paper.)

Subject: "Butterfly."

Folder 68. "Wedding Announcement," Thursday, June 20, 1876.

Emilie J. Conzelman to C.V. Riley (3 pieces)

Folder 69. "Award to C.V. Riley from Stockholm, Sweden,"
Dec. 16, 1879.

Folder 70. "Architectural Designs of C.V. Riley's house,"
Mar. 30, 1889.

(5 sheets)

1 drawing of house

1 interior design of house

1 landscape design

2 street maps

Folder 71. "Household Expenses," 8/31/1889.

Includes a receipt from C.E. Roach.

***Folder 72.** “Memorabilia,” undated.

Bookmarks of C.V. Riley (2)

Folder 73. “W.M. Bates (photographs),” July 9, 1871.

Folder 74. “Alphens Spring Packard Jr. (1893-1905) (photograph),” 1880.

Folder 75. “*Vedalia cardinalis*,” 1880.

Two photographs of transformations

Subject: Beetle; Pupa; Larvae;

Folder 76. “Hickory Gall Making *Phylloxerae*,” 1880.

Subject: *Phylloxerae*.

Folder 77. “The Riley or Cyclone System of Nozzles,” 1880.

Photograph showing various nozzles.

Subject: Nozzles; Riley Nozzle; Cyclone Nozzle; Vermorel Nozzle; Norl Nozzle; Albard Nozzle; Japy Nozzle; Marseilles Nozzle.

Folder 78. “Bee,” 1880.

Three photographs of the bee.

Subject: Beehive; Larva; Pupa; Honeycomb; Worker bee; Bumble bee; Bee.

Folder 79. “John Obadiah Westwood (photographs),” 1805-1893.

Two photos—one taken in 1886.

Folder 80. “Henry De Varigny - 1855 (photograph),” Aug. 24, 1889.

Folder 81. “American Fig Insects - *Blastophaga schwarzii*.”

Copy of original print, undated.

Subject: *Blastophaga schwarzii*.

Folder 82. “*Yucca* Plant,” undated.

Three photographs of the *Yucca* plant and a scheme describing the plant.

Subject: *Yucca*.

Folder 83. “Jules Emilu Planehon (photograph),” (1823-1888).

Folder 84. “Henry Guernsey Hubbard (photograph),” (1850-1899).

Folder 85. “Daniel William Coquillett (1856-1911),” (photograph) undated.

Folder 86. “William Say (photocopy),” undated.

Folder 87. “Eleanor A. Ormerod (photograph),” undated.

Folder 88. “Photograph of a man,” undated.

Folder 89. “A Photograph of a family (2).”

Subject: Family.

Folder 90. “Charles V. Riley (2 photo slides),” undated.

Folder 91. “Charles V. Riley (2 originals),” undated.

Photos are in original frames.

Folder 92. "Charles V. Riley (photographs)," undated.

15 prints of original duplications.

2 negatives of original duplications.

Folder 93. "Charles V. Riley & Family (6 photographs)."

SERIES 4. NEWS CLIPPINGS, 1874-1901.

BOX 4. News clippings (resignation, death, and misc. articles), 1874-1901; Biographies, 1888-96.

Folder 94. "Riley Does Not Want the Appointment;" Aug. 15, 1893.

Prof. C.V. Riley declines to be Assistant Secretary of Agriculture.

Chicago - Journal Herald

Folder 95. "Prof. Riley," 1894.
News clipping on C.V. Riley.

Folder 96. "Prof. C.V. Riley Resigns," 1894.

Rural California, 1894

Subject: Resignation.

Folder 97. Oversized. "The Entomologist of the Department of Agriculture," May 1894.

An editorial on C.V. Riley's resignation.

Subject: Ladybug; Ladybird; Australia's ladybirds; Hessian fly.

Folder 98. "Chief Entomologist Resigns," May 3, 1894.

Riley notice of resignation to Secretary of Agriculture to be effective June 1, 1894.

New York Times

Subject: Resignation.

Folder 99. "Prof. Riley's Resignation," May 4, 1894.

Star, May 4, 1894. 2 copies.

Subject: Resignation.

Folder 100. "Prof. Riley's Resignation," May 5, 1894.

A copy of Riley's letter to Secretary J. Sterling Morton, Secretary of Agriculture.

Washington Post.

Subject: Resignation.

Folder 101. "Prof. Riley Resigns," May 12, 1894.

Discusses Riley's resignation from his Government position at the U.S. Department of Agriculture.

Subject: Resignation.

Folder 102. "Prof. Riley Resigns," May 17, 1894.

A copy of news announcement of his retirement from the **American Florist**.

Subject: Resignation; Retirement.

Folder 103. "Dr. C.V. Riley's Resignation," May 19, 1894.

Discusses Riley's retirement as entomologist from the U.S. Department of Agriculture.

Subject: Resignation.

Folder 104. "Prof. C.V. Riley Withdrew from his Work," May 19, 1894.

N.E. Farmer, May 19, 1894.

Subject: Resignation.

Folder 105. "Resignation of Prof. C.V. Riley," May 26, 1894.

Discusses Riley's retirement from the U.S. Department of Agriculture.

Subject: Farmer; May 26, 1894.

Folder 106. "Prof. C.V. Riley Resigned as U.S. Department of Agriculture Entomologist," May 26, 1894.

Subject: Resignation.

Folder 107. "Riley Voluntarily Tendered his Resignation," May 29, 1894.

New York Times, May 25, 1894.

Subject: Resignation.

Folder 108. "Prof. Riley's Retirement," June 1, 1894.

Article compliments Riley's career as an entomologist.

Two clippings

Subject: Resignation; Retirement.

Folder 109. "Prof. C.V. Riley," June 1, 1894.

E.J. Wickson from the University of California sends copy of the **Pacific Rural Press** announcement of Riley's retirement.

Pacific Rural Press, May 26, 1894.

Subject: Retirement.

Folder 110. "Prof. Riley's Retirement," June 4, 1894.

A dinner and presentation to C.V. Riley to commemorate his retirement.

Star, June 4, 1894.

Subject: Retirement.

Folder 111a. "The Abolishment of the State Entomologist Office (Missouri)," 1894.

A comment about the abolishment of the State Entomologist Office.

Folder 111b. "Report of Isidor Bush, as Treasurer of Missouri State Horticultural Society on Paris Green," 1875.

Discusses Riley's report on his investigation of the cotton worm and how crops were saved by Paris Green.

Subject: Paris Green; Cotton worm.

Folder 112. "Resolution Passed by the Missouri State Horticultural Society at its Annual Meeting in 1874 about the Abolishment of the Office of the State Entomologist," 1874.

Subject: Horticulture; Farmers; Fruit growers.

Folder 113. "The State Entomologist," by T.R. Allen.

Allenton, Mo., Jan. 24, 1874.

The abolishment of the Office of the State Entomologist.

(Allen's article is taken from the **Coleman's Rural World**.)

Folder 114. “Mr. Riley Receives a Handsome Testimonial,” Feb. 23, 1874.

Prof. Charles V. Riley receives gold medal from France in appreciation of discoveries in economic entomology and services rendered to France’s grape culture.

Subject: Grape culture; Award; Medal.

Folder 115. “Riley, State Entomologist,” December 1874.

Action of the State Board of Agriculture (Missouri) at its annual session, Dec. 1874, about the abolishment of the State Entomology Office.

Subject: Grape culture; Farmers; Fruit growers.

Folder 116 “Rocky Mountain Locust,” 1875.

Riley comments on rules governing the insect, Rocky Mountain Locust.

Subject: Locust.

Folder 117. “Honors to Riley,” July 13, 1875.

Discusses the American (grape) vine’s and the French (grape) vine’s resistance to *Phylloxera*.

Subject: *Phylloxera*; French vines; American vines.

Folder 118 “Insects of the State of Missouri. Eighth Annual Report of Prof. C.V. Riley, State Entomologist.” (**Gardeners Monthly**, Aug. 1876).

Comments on the benefits of C.V. Riley’s 8th Annual Entomology Report.

Folder 119. “The Entomologist’s Report. How to Obtain It. What is Thought of It,” by John Monteith, 1876.

An editorial on C.V. Riley’s Eighth Annual Entomology Report.

Subject: Cultivators.

Folder 120. "Professor C.V. Riley lectures at the Lowell Institute," Dec. 1891-Jan. 1892.

News clippings from lectures at the Lowell Institute. Original lectures are filed in Box 2, under title of lectures.

Articles from **Evening Transcript**, Dec. 1891-Jan. 1892.

Subject: Noxious insects; Hessian Fly; Hop fly; *Phylloxera*; Bed bugs; Moths; Flea; Red ant; Bee; Digger wasp; Hornet; cicada; harvest Fly; Gall; Buz-Worm; Basket worm; Elmleaf beetle; Gypsy moth; Worm; Web worm; Insectivorous plant; Lecture;

Folder 121 "Insect Help in the Reproduction of Many Flowers," 1892.

Lecture by Professor C.V. Riley before the Brooklyn Insitute on the interrelations of flowers and insects. Article from **Daily Eagle**. Brooklyn, N.Y., Feb. 3, 1892. Also article from **Florida Dick Mag.**, March 3, 1892 - The Purple Scale, dieback attached.

Subject: Hymenoptera; Lepidoptera; *Yucca*; Yucca Moth; *Pronuba yuccasella*; Insectivorous plants; Monocotyledons; *Chionaspis*; *Chionaspis citri*; *Mytilaspis citricola*; Orange scale; Purple scale.

Folder 122 "Riley's Nozzle," July and Aug. 1891.

Two articles discussing Riley's use of his Government position to advertise and sell his nozzle. Articles from the Sun dated July 20, 1891 and **Coleman's Rural World**, Aug. 20, 1871.

Attached to news clipping is an article on "Entomology Items" from the **N.J. Farmers**, Oct. 1891.

Subject: Cyclone; Nozzle; Invention Hup louse; *Vedalia cardinalis*; *Vedalia*; *Icerya*; *Phylloxera*; *Riparia*.

Folder 123. "Investigating the Locust Pest."

News article about Prof. Riley's paper on the grasshopper given before the American Association for the Advancement of Science.

Article from **The Herald**. Chicago, Illinois, Aug. 24, 1892.

Subject: Grasshopper.

Folder 124. "Fighting Flame with Fire," Sept. 15, 1891.

Discusses the diseases the cabbage worm carries and Riley's experiments to get rid of the worm.

Article from the **Baum Daily News**, Sept. 15, 1891.

Subject: Green cabbage worm; Bacteria.

Folder 125. "Dr. C.V. Riley," Aug. 22, 1891.

Article discussing Riley's use of his Government position to patent his nozzle.

Article from **Scientific American**, Aug. 22, 1891.

Subject: Cyclone nozzle; Riley's nozzle.

Folder 126. "Some of our Insect Friends and the Ways in Which They Befriend Us," June 19, 1890.

An essay read at a State horticulture meeting.

Article from California Rural World by Mary E. Murtfeldt. June 19, 1890. Also included is article about the Boston Scientific Society, from the **Boston Commonwealth**, June 16, 1892.

Subject: Lacewing fly; Praying mantis; *Mantis carolina*; ladybirds; Coccinellidae; *Siphonophora aphid arenae*; Plant lice; *Vedalia*; *Vedalia cardinalis*; *Icerya purchasi*; Haskell; Backlice; Scale insects; *Ophion*; Cabbage butterfly; Crickets; *Ecanthus latipennis*; Gypsy moth.

Folder 127. "The Late Frazier S. Crawford," Nov. 1890 and Jan. 1891.

Two biographies on F.S. Crawford.

Articles from **Garden and Field**, Nov. 1890 and Jan. 1891.

Folder 128. "*Vedalia cardinalis*," June 1891.

Article discussed the stages of *Vedalia* and *Icerya* insects.

Article from **Garden and Field**, June 1891.

Subject: Lady bird; *Icerya*; *Vedalia*; Beetle.

Folder 129. "Insect Pest."

The article discusses the hop louse and how to get rid of it.

Article from the **Gardner's Chronicle**, London, Aug. 1, 1891.

Subject: Louse; Hop louse; Plum tree.

Folder 130. "Honors to Prof. Riley."

The French Government awarded C.V. Riley for his contribution in fighting mildew with the grape growers of France.

Article from (Galignam's) Messenger. July 20, 1889.

Subject: Medal; Grape growers; Mildew.

Folder 131 "The Life and Death of Asa Gray," Feb. and Mar. 1888.

Six news clippings on the life of Asa Gray and his death (from several newspapers dated Feb. and Mar. 1888). Included is a portrait.

Subject: Gramineae; Cyperaceae; Botany.

SERIES 5. Biographies.

Folder 132. "Hon. Norman J. Colman, Secretary of Agriculture. A biography," Feb. 28, 1889.

Included is a portrait. Article from **American Orange Bulletin**, Feb. 28, 1889.

Subject: Biography.

Folder 133. "Dr. Riley's Donation."

Twenty-five thousand dollars worth of insects given to the National Museum.

Article from the **Star**, Dec. 14, 1885.

Subject: Insect collection.

Folder 134. "Address of Prof. C.V. Riley."

Annual state convention of fruit growers report given by C.V. Riley on insects injuriously affecting fruit culture.

Article from the **Press & Horticulturalist World**, Riverside, CA. Apr. 16, 1887.

Subject: *Icerya purchasi*; Orange; Nozzle; Spraying apparatus; Fumigation; Paris Green.

Folder 135. "Charles Darwin. Bibliographical collection by Charles V. Riley."

One news clipping-"Charles Darwin"

One magazine article-"Charles Darwin" 1887.

One magazine article-published in **The Nation**, Nov. 24, 1887.

Subject: Biography.

Folder 136. "Eleanor A. Ormerod," Sept. 6, 1886.

A biography of the entomologist. A portrait is included (oversized box).

Articles from **Mark Lane Express**, supplement #6, Sept. 6, 1886.

Subject: Natural History; Entomologist; Agriculturist.

Folder 137. "Prof. Riley's Gold Medal."

Award to Prof. Riley for collection of insects injurious to forest trees. Two clippings.

Articles from **Washington Republican**, Dec. 8, 1884, and **Kansas City Review**, Feb. 1885.

Subject: Medal.

Folder 138. Oversized. "The New Corn Insect. Worm that infects the roots of corn."

Article from **Prairie Farmer**, Sept. 4, 1880.

Subject: Cucumber beetle; *Diabrotica vittata*; *Diabrotica longicornis*; Ragweed; Aphides; *Ambrosia trifida*; *Aphis maidis*; Corn.

Folder 139. "Yeast as an Insecticide."

Yeast cannot be regarded as a reliable remedy against certain insects.

Article from the **Gardener's Chronical**, Dec. 4, 1880.

Subject: Insecticide; Yeast.

Folder 140. "The Colorado Beetle," Dec. 4, 1880.

Discusses potato bugs on the Connecticut River Railroad, between South Ferry and Holyoke, from the **American Entomologist**.

From the **Gardener's Chronical**, Dec. 4, 1880.

Subject: Potato bugs.

Folder 141 "Growth Conducive to Increase of Insects. In a certain degree of temperature the insect growth progresses more rapidly than it does in any other degree."

Article from **Poe Run Press**, Dec. 11, 1880.

Subject: *Phylloxera*; Temperature.

Folder 142. "*Phylloxera* in California," Jan. 1880.

Article from the **Pacific Rural Press**, Jan. 31, 1880.

Subject: Borer; Wheat; *Phylloxera*.

Folder 143. "Worm in Rose Pots," Mar. 1880.

Larvae of *Bibio albipennis*.

Article from **Country's Gentleman**, Mar. 11, 1880.

Subject: *Bibio albipennis*; Rose pots.

Folder 144. "Prof. C.V. Riley & Lord Walsingham."

Lord Walsingham of Thetford, England, writes of a forage plant which grows wild in the United States.

Article from **Rural New Yorker**, Feb. 9, 84.

Subject: Corn spurrey; *Spergula arvensis*.

Folder 145. "Scientists Attend his Funeral," Sept. 1895.

Friends accompany the remains of Prof. Riley to Glenwood Cemetery.

Article from **Post**, Sept. 1895.

Subject: Death; Funeral.

Folder 146. "Thrown From his Bicycle," Sept. 14, 1895.

Prof. C.V. Riley Receives Injuries When his Wheel Struck an Obstruction and his Skull was Fractured from the Fall.

Article from **The Evening Times**, Sept. 14, 1895.

Subject: Injury; Accident.

Folder 147. "Prof. Riley Fatally Injured."

Skull of the scientist fractured by a fall from his bike.

Globe, Sept. 14, 1895.

Subject: Injury; Bicycle.

Folder 148. "Entomologist Riley Hurt," Sept. 14, 1895.

The famous scientist thrown from his bicycle, sustaining injuries which may prove fatal; his distinguished services to agriculture.

Article from Mrs. Stevens, a Philadelphia paper.

Subject: Injury; Biography.

Folder 149. "His Recovery Doubtful," Sept. 14, 1895.

A serious accident of Prof. C.V. Riley, the scientist. Thrown from his bicycle head foremost, a fracture of the skull indicated.

Article from the **Washington Star**, Sept. 14, 1895.

Subject: Injury; Scientist; Accident.

Folder 150. "Prof. Riley's Funeral." Sept. 16, 1895

The eminent entomologist will be buried.

Article from **Washington Post**, Sept. 16, 1895.

Subject: Funeral; Death.

Folder 151. "Prof. Charles V. Riley," Sept. 16, 1895.

Springfield News.

Subject: Death; Bicycle; Injury.

Folder 152. "Prof. Riley's Funeral," Sept. 17, 1895.

Article from **Washington Star**, Sept. 17, 1895. (2 articles)

Many distinguished friends of the dead scientist in attendance.

Subject: Death; Funeral.

Folder 153. "Death of Prof. C.V. Riley."

Description of his accident and death from **Coleman's Rural World**, Sept. 19, 1895.

Subject: Death; Injury.

Folder 154. "Prof. Charles V. Riley," Sept. 21, 1895.

Article from **American Cultivator**. Boston, Sept. 21, 1895.

Subject: Obituary; Death.

Folder 155. "Prof. Charles Valentine Riley," Sept 21, 1895.

The sudden death of Riley, **Boston Commonwealth**.

Subject: Death; Injury.

Folder 156. Prof. C.V. Riley, Sept. 21, 1895.

Article from **H. Maine Journal**, Sept. 21, 1895.

Subject: Obituary; Death.

Folder 157. "Death of Prof. C.V. Riley," Sept. 21, 1895.

Clipping from **Indiana Farmer**. Sept. 21, 1895.

Subject: Death; Bicycle; Injury.

Folder 158. "Prof. C.V. Riley," Sept. 26, 1895.

Article from **Coleman's Rural World**, Sept. 26, 1895.

Subject: Death; Obituary.

Folder 159. "Charles V. Riley," Sept. 28, 1895.

Article from **American Agriculturist**, Sept. 28, 1895.
(2 articles)

Subject: Death; Obituary.

Folder 160. Prof. C.V. Riley dead. Oct. 2, 1895.

Clipping from **Farmers Review**, Oct. 2, 1895.

Subject: Death; Bicycle; Injury.

Folder 161. "Dr. C.V. Riley," Oct. 1895.

Article from **Rural California**, Oct. 1895.

Subject: Obituary.

Folder 162. "Prof. C.V. Riley."

The entomologist died as a result of injuries received in a fall from bicycle.

Article from the **Rural Northwest**, Portland, Oregon, Oct. 1, 1895.

Subject: Injury; Death; Obituary.

Folder 163. "Charles V. Riley," Oct. 1895.

The death of Prof. Riley, from **Vick's Magazine**.

Subject: Death; Obituary.

Folder 164. "Prof. Charles V. Riley," Nov. 1895.

Article from **Popular Science Monthly**, Nov. 1895.

Subject: Death; Injury; Obituary.

Folder 165. "Death of Professor C.V. Riley," Dec. 1895.

Article from the **New Zealand Farmer**, Dec. 1895.

Subject: Death; Obituary.

Folder 166. Oversized. The Academy of Science Presidents: C.V. Riley. "What Saint Louis has done for Science Pictures and names of the American Academy of Sciences".

Article from the **St. Louis Daily Globe - Democrat**, May 19, 1901.

Folder 167. Oversized. "American Officials and the late F.S. Crawford," Feb. 1891.

Article discusses the works done on the "ladybug" by Frazer S. Crawford.

Article published in the **Garden and Field**, Feb. 1891.

Subject: Ladybug; *Vedalia cardinalis*; Ladybirds; *Icerya*; Cardinal ladybird.

Folder 168. Oversized. "Prof. C.V. Riley Dead," Sept. 14, 1895.

The noted entomologist's fatal fall from a bicycle, a sketch of his life.

Subject: Death; Obituary; Biography

Folder 169. Oversized. "Prof. Riley's Death," Sept. 16, 1895.

He never recovered consciousness after his terrible fall. Eminent as an entomologist whose practical investigations benefited agriculturists everywhere.

Article from **Washington Star** (2 articles), Sept. 16, 1895.

Subject: Death; Injury.

Folder 170. Oversized. "The Linnean Society," Sept. 30, 1895.

The members meet and pay tribute to the memory of Prof. C.V. Riley.

Article from **Morning News**. Lancaster, PA, Sept. 30, 1895. With note, S.M. Sener, No. 124. N. Prince St., Lancaster, PA.

Subject: Tribute; Death.

Folder 171. Oversized. "Death of Prof. Riley," Oct. 2, 1895.

An account of his death and activities.

Article from **Farmer's Review**, Oct. 2, 1895.

Subject: Death; Obituary; Bicycle; Injury.

Folder 172. "Dr. C.V. Riley," Dec. 1888.

Published in **Vick's Illust. Magazine**, Dec. 1888.

Subject: Biography.

Folder 173. "C.V. Riley," Jan.-Feb. 1890.

Subject: Biography.

Folder 174. "Prof. C.V. Riley, MA. Ph.D.," Oct. 1895.

Published in **Entomological News**, Oct. 1895. Pages 241-243. Includes original reprint and photograph.

Subject: Biography.

Folder 175. "C.V. Riley," Nov. 14, 1895.

Published in **Journal d'Agriculture Pratique**, pages 705-708.

Article is in French.

Subject: Biography.

Folder 176. "Charles V. Riley," by A.S. Packard.

Published in **Science**, Friday, Dec. 6, 1895. Pages 745-751.

Subject: Biography.

Folder 177. "A Distinguished Entomologist. A sketch of Professor Riley," By L.O. Howard.

Article in **Farmer's Magazine**, Jan. & Feb. 1890. Pages 221-222 and pages 237-241. Portrait, pages 228-229.

Subject: Biography.

Folder 178. "C.V. Riley," 1890.

Article in **Farmer's Magazine**, pages 221-222.

Subject: Biography.

Folder 179. "Professor Charles V. Riley," obituary, Nov. 1895.

Published in **American Journal of Science**, Nov. 1895.
Missing part of the article.

Subject: Biography, Obituary.

Folder 180. "C.V. Riley," Dec. 7, 1895.

Published in **Revue de Viticulture**, Dec. 7, 1895. Pages 542-546. (article in French)

Subject: Biography.

Folder 181. "Charles V. Riley," by L.O. Howard, 1896.

Published in **Proceedings of the Seventeenth Annual Meeting of the Society for the Promotion of Agricultural Science**, held at Buffalo, New York, 1896, pages 108-112.

Subject: Biography.

Folder 182. "Prof, C.V. Riley. United States Entomologist." 1892.

From **Coleman's Rural World**, May 12, 1892, pages 1-8. Photography reprint.

Subject: Biography.

Folder 183. "Charles V. Riley, 1843-95."

Subject: Biography.

Folder 184. "A Distinguished Entomologist: A sketch of Professor Riley," by L.O. Howard.

From **The Farmer's Magazine**, pages 237-242.

Subject: Biography.

Folder 185. "Biographical Sketch of Charles V. Riley," (1843-95)

Undated.

Subject: Biography.

Folder 186. "Biographical Sketch of Charles V. Riley, (1843-95)," 3 pages.

The principal writings of Dr. C.V. Riley. 8 pages.

SERIES 6. Drawings 1877-80 (some undated) Yucca plant (letters, reports, and drawings) 1872-94.

BOX 5.

Folder 187 "Drawings of an unidentified beetle," undated.

Subject: Beetle.

Folder 188. "Drawing *Pronuba yuccasella*," undated.

Extra lecture. *Pronuba* and Imitative Butterflies.

Folder 189. "Injurious Insects," Feb. 12, 1877. 12 drawings of insects.

Subject: *Systoschus* pupa; Larva; *Trioditis*.

Folder 190. "*Clydonopteron tecomae*," 1880.

Original copy of drawing in the **American Entomologist**, included are two drawings and notes on the larva.

Subject: *Clydonopteron tecomae*.

Folder 191. "Diplax larva," undated.

Includes drawing of eggs and characteristics of *Hyponomeuta*, copies.

Subject: *Hyponomeuta*; *Odynerus hirenimaculatus*.

Folder 192. "Drawings of Unidentified Insect," Jan. 19, 1880.

Folder 193. “Seven Drawings of Unidentified Insect w/Dissection,” undated.

Subject: Reticulatus; *Pronuba paradoxa*; Coloradeusis; Moersus.

Folder 194. “Three Drawings of Unidentified Insects,” undated.

Folder 195. “Drawings of Insects and Hive,” undated.

10 drawings.

Folder 196. “Insects Unidentified,” undated.

Drawn by D. Wiest.

Folder 197. “*Prodoxus*, Pupae,” drawings, undated.

Subject: *Yucca alorfolia*.

Folder 198. “*Apanteles aletiae*,” drawings, undated.

Folder 199. “Unidentified Plant,” undated.

2 drawings

Folder 200. “Original drawings by C.V. Riley, Insects.”

8 drawings.

Subject: *Hernia*; *Helia americalis*; *Floridensis*; *Oberea schauinii*; *Odynerus brenimaculatus*; Cranbury.

Folder 201. “Drawings of Unidentified Insect Parts,” undated.

Folder 202. “Drawing of Unidentified Plant Parts,” undated.

2 drawings.

Folder 203. “Seven Drawings of Unidentified Insects,” undated.

Folder 204. “Injurious Insects,” undated.

Original drawings of unidentified insects (12).

Folder 205. “Unidentified Insects,” undated.

6 drawings.

Folder 206. “Drawings of an Ant,” undated.

Originals and copies.

Folder 207. “Insect Unidentified Original Drawing by C.V. Riley,” undated.
Published in **American Entomologist** V., III, undated.

3 drawings.

Folder 208. “Drawings of *Yucca* plant,” 1880

3 drawings of the *Yucca* plant.

Folder 209. “*Prodoxus* and *Pronuba yuccasella*,” 1880.

27 drawings of the two insects.

Subject: *Pronuba yuccasella*.

Folder 210. “Drawings of Cynipid,” 1880.

3 drawings of cynipid.

SERIES 7. YUCCA STUDY, 1872-1894.

BOX 5.

Folder 211. "Parnery to Riley," June 2, 1876.

C.C. Parnery sending C.V. Riley fresh flowers of *Yucca* with the insect.

Subject: *Yucca*.

Folder 212. "Engelmann to Riley," Jan. 10, 1881.

Dr. George Engelmann to C.V. Riley about the fertilization of the flowers of *Yucca*.

Subject: Nocturnal insects; White moth; *Yucca*.

Folder 213. "Darwin to Riley," Sept. 28, 1881.

The letter from Darwin refers to *Pronuba* and its effects on fertilization of flowers.

Subject: Moth; *Pronuba*; Fertilization.

Folder 214. "Riley to Trelease," June 2, 1887.

C.V. Riley responses to William Trelease' paper on the Nectary of *Yucca*.

Letter on U.S. Department of Agriculture, Division of Entomology, Washington, D.C., stationery.

Subject: *Pronuba*; *Yucca*.

Folder 215. "Riley to Layard," June 2, 1887.

C.V. Riley is asking E.L. Layard for mature seed pods of the *Yucca* in Noumea, New Caledonia.

He referenced an article by E.L. Layard the Fruiting of the *Yucca* in Noumea published in the English journal *Nature*, vol. 22:206, page 606, 1880.

Subject: *Yucca*; *Pronuba*; Bees.

Folder 216. "Layard to Riley," Aug. 20, 1887.

E.L. Layard to C.V. Riley letter of June 2 about how to obtain the *Yucca* seed.

Subject: *Yucca*; *Pronuba*.

Folder 217. "Hulst to Walsingham," Dec. 16, 1887.

Geo. D. Hulst to Lord Walsingham for the exchange of information between the London Entomology Society and the Brooklyn Entomology Society. He discusses his disagreement with Professor Riley over bees in *Yucca* flowers (copy).

Subject: *Yucca*; Bees; Geometridae; Pyralidae.

Folder 218. "Walsingham to Hulst," Jan. 4, 1888.

Response to G.D. Hulst to Lord Walsingham for the exchange of entomology information and his correspondence with Riley.

Merton Hall - Thetford Stationery.

Subject: Tineids.

Folder 219. "Walsingham to Riley," Jan. 7, 1888.

Lord Walsingham is informing Riley about his correspondence with G.D. Hulst and he will be sending him specimens of his revisions for the Chambers index for his suggestions.

Stationery has "Merton Hall/Thetford."

Subject: *Pronuba yuccasella*.

Folder 220. "Riley to Walsingham," Jan. 28, 1888.

Riley complains to Lord Walsingham about G. Hulst's work on the fertilization of the flower *Yucca*.

Copy of original on U.S. Dept. of Agriculture, Division of Entomology, stationery.

Subject: Geometridae; Pyralidae; Tineidae; *Yucca*; *Gelechia*; Cocoons; *Pronuba yuccasella*.

Folder 221. "Walsingham to Riley," Feb. 1, 1888.

Lord Walsingham is informing Riley about his specimen for the Chambers index.

Subject: *Psecadia*; *Hydonomunta atomosella*.

Folder 222. "Durrant to Riley," Feb. 3, 1888.

Hartley Durrant responds to Lord Walsingham letter to Riley about *Berostoma*.

Stationery, Merton Hall-Thetford.

Subject: Parasites; Hessian fly; *Berostoma*.

Folder 223. "Durrant to Riley," July 6, 1888.

Hartley Durrant received the *Incurvaria* paper from Riley but will not carry out arrangement of it until he receives the other parts from Lord Walsingham.

Subject: *Incurvaria*; *Corestoma radiatella*.

Folder 224. "Cofe to Riley," July 25, 1888.

Letter from E.W. Cofe referring to the laws of acceleration and retardation.

Subject: Acceleration; Retardation.

Folder 225. "McLairs to Riley," Mar. 26, 1889.

V.W. McLairs discusses how to cure patients with diphtheria.

On stationery from the Office of Special Agent, Department of Agriculture, 2 pages.

Subject: Diphtheria; Baccilli.

Folder 226. "Trelease to Riley," Jan. 28, 1892.

Willim Trelease sending Riley illustrations of *Pronuba yuccasella* and the flower *Yucca*.

On stationery from the Missouri Botanical Garden.

Subject: *Pronuba*; *Yucca*.

Folder 227. "Trelease to Riley," Feb. 4, 1892.

William Trelease notifying Riley that he has received his illustrations (*Yucca*) for the printer and will wait until he gets a copy of proofs that will go in the text.

Subject: *Yucca*.

Folder 228. "Trelease to Riley," Feb. 10, 1892.

William Trelease describes his observation of the *Yucca whipplei*.

On the stationery of the Missouri Botanical Garden.

Subject: *Yucca whipplei*.

Folder 229. "Coquillett to Riley," June 13, 1892.

D.W. Coquillett describes to Riley how the female *Pronuba* pollination of the *Yucca whipplei*.

Letter from Los Angeles.

Subject: *Pronuba maculata*; *Yucca whipplei*; *Pronuba*; *Yucca* insects.

Folder 230. "Trelease to Riley," July 7, 1892.

William Trelease discusses the pollination of the *Yucca* plants.

On stationery from the Missouri Botanical Garden.

Folder 231. "Meehan to Riley," Aug. 17, 1892.

Thomas Meehan discusses the *Yucca* flower and the *Yucca* moth, 3 pages.

On **Meehan's Monthly** stationery. Thomas Meehan & Sons. Germantown, Philadelphia, PA.

Subject: *Vedalia*; *Yucca filamentosa*; *Yucca*; *Yucca* moth.

Folder 232. "Trelease to Riley," Oct. 17, 1892.

William Trelease discusses the *Yucca* flowers and the *Pronuba*.

On the Missouri Botanical Garden stationery.

Subject: *Yucca whipplei*; *Pronuba*.

Folder 233. "Riley to Meehan," Oct. 17, 1892.

Riley acknowledges Meehan's Aug. 17 letter on the *Yucca* flower and the *Yucca* moth. Copy of letter.

Subject: *Yucca*; *Pronuba*; *Prodoxus*; *Yucca* moth.

Folder 234. "Riley to McCook," Apr. 28, 1894.

Letter from C.V. Riley to H.C. McCook asking for specimens of *Termes* (*T. flavipes*) and the results from an experiment on the killing of the insect.

Subject: *Termes*; *T. flavipes*; Wood ants; *Formica exsectoides*; Arsenic; Calonel.

Folder 235. "Notes on Engelmann's *Yucca* Paper," July 18, 1872.

Dr. Englemann's observation on several insects of the flower *Yucca*.

Subject: *Yucca*; Stigmatic liquor; White moth.

Folder 236. "Notes on Structure of *Yucca* Fruit and Flower," 1887.

A discussion on why the *Yucca* plant is incapable of self fertilization, 11 sheets of notes.

Subject: *Yucca*; *Prodoxus*; *Imago*.

Folder 237. "Notes on a Collection of North American Microlepidoptera Brought & Explained by Professor Riley in 1888."

Supplement to No. 1, dated Sept. 1888.

Folder 238. "Bulletin of the Torrey Botanical Club." Vol. III, No. 7, (New York), July 1872, 4 pages.

A bibliography on plants from the **Torrey Botanical Club Bulletin**, pages 33-36.

Subject: Flower of *Yucca*; *Botrychium matricariaefolium*; *Dicentra cucullaria*; *Dicentra spectabilis*; *Dicentra eximia*; *Asclepias ambrosia artemiscaefolia*; *Silene viscosa*; *Robinia viscosa*; *Salices*; century plant; *Pinus elliottii*; *Hottonia inflata*; *Bromus sterilis*; *Broussonetia*.

Folder 239. "On *Pronuba yuccasella* (Riley), and the habits of some Tineina," Oct. 1878.

Discusses C.V. Riley's discovery of *Pronuba yuccasella* and pollination of *Yucca*, 14 pages.

From the Journal of the **Cincinnati Society of Natural History**.

Subject: *Pronuba yuccasella*; Tineina; Pollination; *Heterocera*; *Hyponomeuta*; *Coleophora*; *Lithospermum*; Colorado specimens.

Folder 240. "Fertilization of *Yucca*," by Henry N. Ellacombe, Jan. 3, 1880.

Yuccas can be fertilized by other means than the *Yucca* moth, 1 page.

Subject: *Yucca* moth; *Pronuba yuccasella*; *Yucca*.

Folder 241. "The Nectary of *Yucca*," by William Trelease, Aug. 1886.

Discusses Englemann and Rileys discovery of the pollination of the *Yucca*, 8 pages.

Reprinted from **Bulletin of the Torrey Botanical Club**, pages 135-141.

Subject: *Yucca* moth; *Prodoxus*; *Yucca*.

Folder 242. "Mr. Hulst's Observation on *Pronuba yuccasella*," by C.V. Riley, Jan. 1887.

The pollination of the *Yucca* flower, pages 233-238.

Includes remarks upon Prof. Riley's structures by Geo. D. Hulst.

Subject: *Pronuba yuccasella*; *Prodoxus*; *Pronuba*; Hymenoptera; Honey bees.

Folder 243. "The *Yucca* Moth and the *Yucca* Pollination," by C.V. Riley, June 1892.

Illustrated, 12 pages, published in **Popular Science Monthly**, June 1892, vol. 41, pages 171-182.

Includes an article by Henry Dewight Chapinen, titled "The Survival of the Unfit."

Subject: Hymenoptera; *Yucca* moth; *Yucca*; Pollination; *Pronuba yuccasella*; *Pronuba*; Prodoxidae; Anemophilae; Lepidoptera.

SERIES 8. REPORTS, REPRINTS, AND BOOKS, 1868-1919.

BOX 6.

Folder 244. "First Annual Report on the Noxious, Beneficial and Other Insects," by Charles V. Riley, State Entomologist, Missouri, 1869, illustrated. 181 pages, Index 7 pages.

Subject: Noxious insects; Plum curculio; Potato beetle; Noxious insects; Bank lice; Apple tree borers; Periodical cicada; Cicada; Black borer; Lepidoptera; Aegeridae; Coleoptera; Buprestidae; *Chrysobothris femorata*; Plum Curculio; *Conotrachelus nenuphar*; Apple worm; *Carpocapsa pomonella*; Moth; Beetle; Cutworm; Apple root plant louse; *Eriosoma pyri*; Grape wood borer; *Orthosoma cylindricum*; Grape cane gall curculio; *Madarus vitis*; Grapevine fidia; *Fidia viticida*; Grape cooling; *Penthina vitinorana*; Eight spotted forester; *Alypia octomaculata*; Grapevine plume; *Prerophorus periscelidoctylus*; Tree cricket; *Ecanthus nivens*; Raspberry geometer; *Aptodes rubivora*; Gooseberry fruit worm; *Pempelia grassulariae*; Strawberry leaf roller; *Anchylopera fragariae*; White marked tussock moth; *Orgyia leucostigma*; Basket worm; Drop worm; *Aitanthus worm*; Walnut tortrix; *Rileyana*; Seed corn maggot; White garp; American meromyza; *Meromyza americana*; Sheep botfly; Head maggot; *Estrus ovis*; Rear horse; Camel cricket; Devil's riding horse; *Mantis carolina*; *Solidago* gall moth; *Gelechia galloesolidaginis*; Chickweed geometer; *Haematopis grataria*; Thistle plume; *Pterophorus carduidactylus*.

Folder 245. "Second Annual Report on the Noxious, Beneficial and Other Insects of the State of Missouri," by Charles V. Riley, 1870, illustrated. 135 pages, Index 6 pages.

Subject: Noxious insects; Armyworm; worm; Picki worm; *Phacellura nitidalis*; Tent callerpillar; *Leucania unipuncta*; *Aphis avenae*; Grain plantlouse; Thrips; *Aphis mali*; Apple tree plantlouse; Pristiphera; Onion fly; Barklouse; Mealworm beetle; Beetle; *Asp. harrisii*; Pea bug; *Bruchus pisi*; Asparagus beetle; *Crioceris asparagi*; Chinch bug; *Micropus leucopterus*; Sweet potato; Tortoise beetle; *Chaerocampa pampinatrix*; Satellite sphinx; *Philampelus satellitia*; Abbotsphinx *Thyreus abbotti*; Blue caterpillar; Sphinx caterpillar; Caterpillar; Wood nymph; Eudrya; American procris; *Procris*; Grape root borer; Grape seed maggot; canker-worm; *Anisopteryx vernota*; *Isosoma vitis*; Cabbage worm; Tarnished

plant bug; *Capsus oblineatus*; *Philenor* swallowtail; *Papilio philenor*; Lepidoptera; Cottonwood dagger; *Acronucta populi*; Missouri bee killer; *Asilus missouriensis*; Goatweed butterfly; *Paphia glycerium*; Black breeze fly; *Tabanus atratus*.

Folder 246. "Third Annual Report on the Noxious, Beneficial and Other Insects of the State of Missouri," by Charles V. Riley, 1871, illustrated. 175 pages, Index 7 pages.

Subject: Snout beetles; noxious insects; Coleoptera; Curculionidae; Plum curculio; *Conotrachelus nenuphar*; Hull curculio catcher; Apple curculio; *Anthonomus quadrigibbus*; Quince curculio; *Conotrachelus cradaegi*; Plum govzer; *Anthonomus prunicida*; Strawberry crown-borer; *Analcis fragariae*; Pea weevil; *Bruchus pisi*; Grain bruchus; *Bruchus granarius*; American bean weevil; New York weevil; *Ithycerus noveboracensis*; Corn *Sphenophorus pulchellus*; Grapevine; Grape leaffolder; *Desmia maculalis*; Lepidoptera; Grapevine plume; *Pterophorus periscelidactylus*; Common yellow bear; *Spilosoma virginica*; Smearred dagger; *Acronucta obliterata*; *Pyramida* grapevine worm; *Amphipyra pyramidoides*; Grape root borer; *Aegeria polistiformis*; Spotted pelidnota; *Pelidnota punctata*; Grape vine flea beetle; *Llaltica chalybea*; Grapevine coleaspis; *Colaspis flonida*; Grape leaf galllouse; *Phylloxera vitifoliae*; Colorado potato Beetle; Paris green; Codling moth; *Carpocapsa pomonella*; Cornworm; *Heliothis armigera*; Army worm; *Prodenia autumnalis*; Appletree tent-caterpillar; American lockey moth; *Clisiocampa americana*; *Clisiocampa sylvatica*; Webworm; *Hyphantria texlor*; Blue-spangled peach worm; *Callimorpha fulvicosta*; Ash-gray pinion; *Xylina cinerea*; glossy winged soldier bug; Innoxious insects; Whitelined morning sphinx; Butterfly; Archippus butterfly; Disippus butterfly; *Limenitis dissippus*.

Folder 247. "Fourth Annual Report on the Noxious, Beneficial and Other Insects of the State of Missouri By Charles V. Riley, 1872, illustrated. 145 pages, Index 6 pages.

Subject: Noxious insects; Colorado potato beetle; Paris green; Ladybird; Ring-banded soldier bug; Codling moth; Dotted legged plant bug; *Euschistus punctipes*; *Hippodamia glacialis*; Army worm; Curculio trap; Soldier beetle; *Telephorus bilineatus*; Cicada; Harlequin cabbage bug; *Strachia (Murganita) histrionica*; Rascal leafcrumpler; *Phycita (Acrobasis) nebulo*; Walnut case bearer; *Acrobasis juglandis*; Apple leaf skeletonizer; *Pempeklia hammondi*; Green apple leaftier; *Tortrix cinderella*; Lesser apple leaffolder; *Tortrix malivorana*; Apple leaf bucculatrix; *Bucculatrix pomifoliella*; Apple twig borer; *Bostrichus (Aphicerus) bicaudatus*;

Grapevine; Injurious insects; Red shouldered sinoxylon; *Sinoxylon basillare*; Grape disease; Grapeleaf gallouse; *Phylloxera vitifoliae*; Silkworm; Mulberry silkworm; *Lepidoptera bombycidae*; *Bombyx (Sericaria) mori*; Cecropia moth; Cecropia silkworm; *Attacus (Plalysamia) cecropia*; Ailanthus silkworm; Promethea silkworm; Luna silkworm; *Attacus (Actias) luna*; Polyphemus silkworm; *Attacus (telea) polyphemus*; Yama-mai silkworm; *Attacus (Antheraea) yama-mai*; Innoxious insects; Horned passalus; *Passalus cornutus*; Leopard moth; *Ecpantheria scribonia*; Isabella tiger moth; *Arctia isabella*.

Folder 248. "Fifth Annual Report on the Noxious, Beneficial and Other Insects of the State of Missouri," 1873, illustrated. 160 pages, Index 8 pages.

Subject: Entomology; Hymenoptera; Coleoptera; Lepidoptera; Hemiptera; Orthoptera; Diptera; Neuroptera; Noxious insects; Entomology; Codling moth; Colorado potato beetle; Apple twig borer; *Amphicerus bicaudatus*; Horned Passalus; *Passalus cornutus*; May beetle; *Lacknosterna guercina*; Broad necked prionus; *Prionus laticollis*; American tentcaterpillar; *Clisiocampa americana*; Tobacco worm; Grape *Phylloxera*; Oyster-shell bark-louse; *Mytilaspis pomicorticis*; Pine leaf scale insect; *Mytilaspis pinifoliae*; Hickory bark borer; *Scolytus caryae*; Rose chafer; *Macrodadylus subspinosus*; False chinch bug; *Mysius destructor*; Grapevine; Grapevine apple gall; *Vitis pomum*; *Vitis coryloides*; Grapevine fibert gall; Grapevine tomato gall; *Vitis tomatoes*; Grape leaf trumpet gall; *Vitis viticola*; Black moth; Maia moth; *Saturnia (hemileuca) maia*; *Saturnia (Hyperchiria) to*; Green striped maple moth; *Dryocampa (Anisota) rubicunda*; Innoxious insects; Helligrammite fly; *Corydalus cornutus*; Goatweed butterfly; *Paphia glycerium*; *Yucca*; *Pronuba yucasella*; *Pronuba*.

Folder 249. "Seventh Annual Report on the Noxious, Beneficial and Other Insects of the State of Missouri," 1875, illustrated. 196 pages, Index 3 pages, map.

Subject: Noxious insects; Colorado potato beetle; Chinch bug; *Doryphora lineata*; Coleoptera; *Micropus leucopterus*; Heteroptera; Flat-headed apple tree borer; *Chrysobothris femorata*; Cankerworm; *Phalaena vernata*; Grape *Phylloxera*; Rocky Mountain locust; Locust; *Caloptenus spretus*; Orthoptera; *Phylloxera*.

Folder 250. "Einige Unserer Schadlicheren Insekten," by C.V. Riley, St. Louis, Missouri, 1872.

Report written in German, illustrated.

Subject: *Phylloxera vitifoliae*; *Conotrachelus nenuphar*; *Doryphora*.

Folder 251. "On the Insect More Particularly Associated with *Sarracenia variolaris* (spotted trumpet-leaf), by Charles V. Riley, Dec. 1874, illustrated. 8 pages.

Reprint from the **Proceedings of the American Association for the Advancement of Science**, Hartford meeting, Aug. 1874.

Subject: Spotted trumpet-leaf; *Sarracenia variolaris*; *Xanthoptera semicrocea*; *Sarcophaga sarraceniae*.

Folder 252. "On the Summer Dormancy of the Larva of *Phyciodes Nycteis* (*Doubleday*) and Remarks of the Natural History of the Species" by Charles V. Riley, Mar. 1875, 6 pages.

Reprint from the **Proceedings of the American Association for the Advancement of Science**, Hartford meeting, Aug. 1874.

Subject: Butterfly; *Phyciodes nycteis*; Dimorphism; Polymorphism; *Brenthis*; Chrysalis.

Folder 253. "On a New Genus in the Lepidopterous Family Tineidae, With Remarks on the Fertilization of *Yucca*," by C.V. Riley, June 21, 1873.

From **Trans. St. Louis Academy of Science**.

Subject: *Yucca*; Lepidoptera; Tineidae; *Pronuba*.

Folder 254. "Hereditary Genius," by Francis Galton, 1870.

A report on women (mothers) and their influence on the intellectual development of their children, 5 pages.

Subject: Gifted men; Race; Mother.

Folder 255. "The Larger Digger Wasp," undated, 8 pages.

Subject: *Sphecius speciosus*; Hornet; *Cicada prinosa*; Wasp; Digger wasp; Cicada.

Folder 256. "Myrmecophilous Insects," 1880.

Different species of ants protect other insects that live within their environment, 16 pages.

Subject: Plantlice; Insect; Coleoptera; Rosechafer; Cosinoptera; Diptera; Homoptera; *Tachys incurtus*; *Clythra*; Carobid; Microdon; Ant; Clavigerid; Staphylinid; Lomechusas; beetle larvae.

Folder 257. "Bacteriology," 1880.

Experiment in the use of contagious germs as insecticides for the benefit of agriculture, 26 pages.

Subject: Micro-organisms; *Similia similibus curantur*; *Vedalia cardinalis*; Chinch bug; Yeast; *Empusa muscae*; Fly fungus; Cotton worm; *Aletia xyliana*; Entomophthoreae; Empusa; Isaria; *Bolrytis conidia*; *Anisophia austriaca*; *Cleonus punctiventris*; Caterpillar; Schizomyosis; Silkworm; Protozoan; Sparazoa; Pebrini.

**SERIES 8. REPORTS, REPRINTS, AND
BOOKS, 1868-1919.
(CONTINUED)**

BOX 7.

Folder 258. "The Atlas of Modern Geography," by Dr. Samuel Butler, London; published by Longman, Rees, Orme, Brown and Green.

An atlas consisting of 22 colored maps with an index of all the names.

Note inside front page; C.V. Riley, Washington, D.C.

Subject: Atlas; Geography.

Folder 259. "Summary of the Principal Chinese Treaties Upon the Culture of the Mulberry and the Rearing of Silk Worms," 1838.

Translated from Chinese; published by Peter Force, Wash. (on spine of book: Treaties of the Mulberry). 198 pages; plate 1-10.

Subject: Silkworm; Mulberry.

Folder 260. "Bibliotheque de la Jeunesse Chrestienne," by J. J. Bourasse, 1852. Esquisses Entomologiques ou Histoire Naturelle des Insectes les Plus Remarquables.

Publication in French, illustrated, 236 pages.

Subject: Coleopteres; Lepidopteres; Dermapteres; Orchopteres; Hemipteres; Nevropteres; Hymenopteres; Dipteres; Rhipipteres; Thysanoures; Parasites; Suceurs.

Folder 261. "Sixth Annual Report on the Noxious, Beneficial and other Insects of the State of Missouri," by Charles V. Riley. 1874.

Subject: Codling moth; Colorado potato beetle; Cotton worm; Canker worm; Grape *Phylloxera*; Blue caterpillars; redlegged ham beetle; Clover hayworm; Legged maple borer; raspberry root borer; Northern brethian; Jumping sumach beetle; *Tiphia grub*; White grub; *Yucca* moth; Dominican cane borer; Huckberry butterfly; Katydid; Paris green; *Anomys xylena*; *Phylloxera vastatrix*; *Eridryas grata*; *Aylisia octomaculata*; *Corynete rufipes*; *Asopia costalis*; *Aegeria acerni*; Lepidoptera; *Blepharida rhois*; *Tiphia inornata*; *Coscinoptera dominicana*; *Pronuba yuccasella*; *Apatura*; Orthoptera; *Microcentrus retinernis*; *Phaneroptera curvicauda*.

Folder 262. "The American Entomologist. An illustrated magazine of popular and practical entomology." Edited by Charles V. Riley, (Vol. III, 2d series, vol. I, 1880.

i-xi, 298 p.; ill. (bound vol., of **American Entomology**-1880), the name Thora Miranda Riley is on the front page.

Copy of map - on the distribution of the 17 year Cicada of the Broad of 1878, or Riley's Broad XIII, in Iowa, (2 copies).

Subject: Cicada; Beetles; Worm; Butterfly; *Phylloxera*; Weevil; *Aletia argillacea*; Borer; *Aegeria exitiosa*; Rose-feeding *Tortricidae insecticides*; Chinch bug; Caterpillar; Carpet beetle; *Anthrenus scrophulariae*; Ailanthis silkworm; Cotton worm; Jassidae; Leafhopper; *Diedrocephala flaniceps*; Pyrethrum; fungus; Strawberry; Potato beetle; Hessian fly; Isabella tiger moth; White grub fungus; *Yucca* moth; *Yucca*; *Pronuba yuccasella*; Cottonwood; Nymphalidae; Cotton potato beetle; Flea beetle; *Garptodera chalybia*; Army worm black fly; *Simulium*; Bees; Atomizer; Bluebird; Bombyliidae; Locust; *Sialia sialis*; Plume moth; Leafbeetle.

Folder 263. "The American Entomologist," vol. 1, Jan.- Dec. 1880. Edited by Charles V. Riley.

SERIES 8. REPORTS, REPRINTS, AND BOOKS, 1868-1919. (CONTINUED)

BOX 8.

Folder 264. "Destruction of the Young or Unfledged Locusts," June 1877.
Bulletin of the United States Entomological Commission.
Department of Interior, No. 1, 2d ed., 15 pages.

Subject: Locust.

Folder 265. "Ninth Annual Report on the Noxious, Beneficial, and other
Insects of the State of Missouri," by C.V. Riley, 1877.

Subject: Currant worm; Gooseberry worm; Gooseberry span-worm; *Eufitchia
ribearia*; *Nematus ventricosus*; *Pristiphora grossulariae*; Strawberry worm;
Emphytus maculatus; Abbots' white pine worm; *Lophyrus abbotii*; Le Conte's
pine worm; *Lophyrus* Le Conte; Colorado potato beetle; Army worm;
Leucania unipuncta; wheathead army worm; *Leucania albilinea*; Rocky
mountain locust; *Caloptenus spretus*; *Anthomyia* egg parasite; *Anthonyia
radicum*; Innoxious insects; Hellgrammite; *Corydalus cornutus*; *Yucca* borer.

Folder 266. "The Rocky Mountain Locust. Remedies and Devices for its
Destruction," by Charles V. Riley, 1878.

Illustrated, pages 351-420, extracted from the **First Report of the United
States Entomological Commission.**

Subject: Locust; Drum locust crusher; Simpson locust crusher; Haas locust
crusher; Hansberry crusher; Peteler machine; King suction machine; Flory
locust machine; Canfield locust pan; Adams locust pan; Coal tar; Anderson
coal oil contrivance; Robbins coal tar pan; Riley locust catcher; Wilson-Rhode
locust catcher; Godard locust catcher; Benson locust catcher; Hutchins locust
catcher; Sylvester locust catcher; Paris green.

Folder 267. "The Silkworm - Manual of Instructions for the Production of
Silk," 1884.

Dept. of Agriculture Special Report No. 11, 5th ed., illustrations.
Included are samples of unprocessed silk.

Subject: Silkworm; Silk culture; cocoons; Moth *Serica mori*; Mulberry silkworm; Lepidoptera; Bombycidae; Chrysalis; Muscardine; *Botrytis bassiana*; Fungus; Pebrine; Psoryspermae; Osage orange; Lombardy; Mon; Lepidoptera; Spinneret; silk.

Folder 268. "Notes on the Aphididae of the United States. With descriptions of species occurring west of the Mississippi," by Charles V. Riley and J. Monell, Jan. 22, 1879.

Extracted from the **Bulletin of the Survey**, vol. 5, No. 4, illustrated, 32 pages, plate I-II.

Subject: Aphididae; *Schizoneura americana*; *Colopha ulmicola*; *Pemphigus populimonilis*; *Hormaphis spinosus*; *Pemphigus populitransversus*; *Pemphigus populiramulorum*; *Pemphigus acerifolia*; *Pemphigus fraxinifolii*.

Folder 269. "The Rocky Mountain Locust. Further Facts About the Natural Enemies of Locusts," by Charles V. Riley, 1880.

Extracted from the **Second Report of the United States Entomological Commission**, illustrated, pages 259-271.

Subject: Locust; Blister beetle; Soldier beetle; Asilid flies; Bee fly; Bombyliidae; *Systaechus oreas*; *Triodites mus*.

Folder 270. "Retarded Development in Insects: On the Oviposition of *Prodoxus decipiens*; New Insects Injurious to Agriculture," by Charles V. Riley, Feb. 1882.

From the **Proceedings of the American Association for the Advancement of Science**, Vol. XXX, Cincinnati Meeting, Aug. 1881, 4 pages.

Subject: Rocky mountain locust; Western grasshopper; *Catopenies spretus*; *Pronuba*.

Folder 271. "Address of Hon. Geo. B. Loring, Commissioner of Agriculture and Other Proceedings of the Cotton Convention Held in Atlanta, Ga, November 2, 1881," 36 pages.

Subject: Cotton; Cotton worm; Bollworm.

Folder 272. "Little-known facts about well-known animals." A lecture delivered in the National Museum, Washington, D.C., Apr. 8, 1882. Saturday lecture series No. 5.

Subject: Oyster; Star fish; Crab; Frog; House fly; Earthworm; Mosquito; Parasitism; *Ostrea virginiana*; *Asterias vulgaris*; *Cancer irroratus*; *Rana temporaria*; *Musca domestica*; *Culex pipiens*; *Lumbricus terrestris*.

Folder 273. "Entomology. Repelling Insects by Malodorants, by Charles V. Riley," July 1882.

Reprint from the **American Naturalist**. July 1882.

Subject: Malodorants.

Folder 274. "Darwin's Work in Entomology," by Charles V. Riley, 1882.

An address read on occasion of Darwin memorial meeting, May 12, 1882. (**Proc. Biological Soc. Washington**, vol. I, 1882).

Subject: Coleoptera; *Odontoscelis darwinii*.

Folder 275. "Jumping Seeds and Galls," by Charles V. Riley, Nov. 24, 1882.

Article discusses plant that produces "Mexican jumping seeds" or "Devil Beans" and Galls. **Proceedings of the United States National Museum**, Pages 632-636 (article read before the Biological Society of Washington, Nov. 24, 1882).

Subject: Arrow weed; Yerba de flecha; Gall.

Folder 276. "Hackberry Psyllid Galls," by Charles V. Riley, Sept. 1, 1883. Reprinted from the **Canadian Entomologist**, pages 160-197.

Subject: *Pachypsylla vastatrix*; Gall.

Folder 277. "Recent Advances in Economic Entomology," Feb. 2, 1884.

The 246th meeting of the Philosophical Society of Washington.

Subject: *Phylloxera*.

Folder 278. "General Truths in Applied Entomology," by Charles V. Riley, 1884.

A paper read before the Georgia State Agricultural Society at Savannah, Georgia, Feb. 12, 1884. Extracted from the **Transactions of Georgia State Agricultural Society**, 1884.

Subject: Cotton worm; *Aletia xyliana*; Grape *Phylloxera*; Currant worm; *Nematus ventricosus*; Insecticide; *Pyrethrum roseum*; *Pyrethrum cinerariaefolium*; *Phylloxera vastatrix*.

Folder 279. "Entomology. A Carnivorous Butterfly Larva-Plant lice Feeding Habit of *Fenesica tarquinius*," June 1886.

Abstract of a paper by Charles V. Riley, read Feb. 20, 1886 before the Biographical Society of Washington. From the **American Naturalist Extra**, June 1886, pages 556-557.

Subject: Butterfly; *Fenesica tarquinius*; Lycaenid.

Folder 280. "Notes on *Fenesica tarquinius*," by Charles V. Riley.

The history and the preparatory stages of *Fenesica tarquinius*. Reprint from the **Canadian Entomologist**, Oct. 1886, pages 191-194.

Subject: *Fenesica tarquinius*; Butterfly; *Pemphigus*; *Schizoneura*.

Folder 281. "Annual Address of the Entomological Society of Washington, 1886."

Reprint extracted from **Proceedings of the Entomological Society of Washington**, vol. 1, No. 1, pages 17-27, meeting of Mar. 12, 1885.

Subject: *Agrotis fennica*; Cutworm; Clover leaf beetle; *Phytonomus punctatus*; *Pulvinaria innumerabilis*; Butterfly; *Pyrameis cardui*; Acrididae; *Phylloxera vastatrix*; Carabidae; Coleoptera.

Folder 282. "The *Icerya* or Fluted Scale Otherwise Known as the Cottony Cushion-Scale," 1887.

Reprint of some recent articles by the entomologist and of a report from the Agricultural Experiment Station, University of California. Bulletin No. 15, U.S. Dept. Of Agriculture, Entomology, 40 pages.

Subject: *Icerya*; Fluted scale; White scale; Cottony cushion-scale; Fumigation.

Folder 283. "Poisonous Insects," by Charles V. Riley, 1887.

Extracted from the **Reference Handbook of the Medical Sciences**, vol. V, 1887, pages 741-769.

Subject: Arachnoidea; Lingualulida; Tomhidiidae; Dermalophili; Tetrapneumones; Bird spider; Dipneumones; Myriapoda; Icolopendridae; Herapoda; Neuroptera; Orthoptera; Rhynchota; Hemiptera; Aptera; Parasitica; Homoptera; Nepidae; Heteroptera; Belostomatidae; Reduviidae; Cimicidae; Diptera; Pupipara; Muscidae; Brachycera; Oestridae; Tabanidae; Black breeze-fly; Simulidae; Buffalo gants; Buck moth; Mutillidae; Digger wasp; Baldfaced hornet; Apidae; Wasps.

Folder 284. "Personal Reminiscences of Dr. Asa Gray," by Charles V. Riley, July 1888.

Remarks made at the Gray Memorial meeting held by the Biological Society of Washington, Apr. 5, 1888. From the **Botanical Gazette**, vol. XII, No. 7, pages 178-186.

Subject: Biography.

Folder 285. "Two Brilliant and Interesting Micro-lepidoptera. New to our Fauna," by Charles V. Riley.

From **Proceedings of the Washington Entomological Society**, vol. 1, No. 3, 1889, reprint, pages 1-4.

Subject: *Setiostoma fermaldeila*; *Walsinghamia*; *Walshinghamia diva*.

Folder 286. "Report of the Entomologist, 1885," From **Annual Report to the Secretary of Agriculture**, 1885, pages 53-54, missing pages of introduction.

Subject: Silk culture; Hop plantlouse.

Folder 287. "Notes on *Pronuba-Yucca* Pollination," by Charles V. Riley, 1889.

From **Proceedings of the Washington Entomological Society**, vol. 1, No. 3, 1889, pages 1-5.

Subject: *Pronuba*; *Yucca*.

Folder 288. "Report of the Entomologist, 1889." From **Annual Report to the Secretary of Agriculture**, pages 335-361.

Subject: Ladybirds; *Iceryas*; *Lestophonus iceryae*; *Vedalia*; Acarina; Tetranychidae; Plated scale.

Folder 289. "The Kerosene Emulsion: Its origin, nature, and increasing usefulness," by Charles V. Riley, Aug. 17, 1891.

Printed from the **Proceedings of the Washington Meeting of the Society for the Promotion of Agricultural Science**, held at Washington, Aug. 17, 1891, pages 83-98, 2 copies.

Subject: Kerosene; Soap.

Folder 290. "On the Difficulty of Dealing with *Lachnosterna*," by Charles V. Riley, 1891.

From **Proceedings of the Entomological Society of Washington**, vol. II, No. 1, 1891.

Subject: Whale oil; Tobacco soap; London purple; *Lachnosterna*.

Folder 291. "The First Larval or Post-Embryonic Stage of the Pea and Bean Weevils," by Charles V. Riley.

Reprint from the **Canadian Entomologist**, Aug. 1892, vol. XXIV, No. 7. Included are notes on the Margined Soldier Beetle.

Subject: Bean weevil; Pea weevil; *Bruchus fabae*; *Bruchus pisi*; Soldier beetle; *Chauliognathus marginatus*.

Folder 292. "On insects affecting the *Agave*," by Charles V. Riley, June 15, 1892.

Reprinted from **Proceedings of the Entomological Society**, June 15, 1892.

Included are two articles by Charles V. Riley. (1) A probable *Microgaster* parasite of *Eleodes* in the imago stage and (2) Our American ox warbler.

Subject: *Hypoderma liniata*; Ox warbler; *Agave*; Century plant *Eleodes*; *Microgaster*.

Folder 293. "On Certain Peculiar Structures of Lepidoptera," by Charles V. Riley, Dec. 24, 1892.

From **Proceedings of the Entomological Society**, Washington, vol. II, No. 3.

Subject: *Pronuba*; *Prodoxus*; Lepidoptera; Pseudo cenchri; Tegulae; Patazia.

Folder 294. "New Species of Prodoxidae," by Charles V. Riley, Dec. 15, 1892.

From **Proceedings of the Entomological Society**, Washington, vol. II, No. 3, pages 312-319.

Subject: Prodoxidae; *Yuccasella*; *Pronuba synthetica*; Chrysalis; *Prodoxus*; *Yucca*.

Folder 295. "Coleopterous Larvae With So-Called Dorsal Prolegs," by Charles V. Riley, Dec. 31, 1892.

From **Proceedings of the Entomological Society**, Washington, vol. II, No. 3, pages 319-324.

Subject: Coleoptera; *Modellistena*; *Mordella*; *Oberea schaumii*; Cerambycid.

Folder 296. "Report of the Entomologist for 1891," by Charles V. Riley, 1892.

From the **Report of the Secretary of Agriculture**, 1892.

Subject: Ladybirds; Hessian fly; Cabbage worm; Gypsy moth; Sugar-cane; Borer; Cornstalk; Horn fly; Rose chafer; *Lachnosterna*; Bullworm; Locusts; White arsenic; Paris green; London purple; White Hellebore; Alkaline; Kerosene; Pyrethrum.

Folder 297. "Report of the Entomologist," 1892, by Charles V. Riley.

From the **Report of the Secretary of Agriculture**, pages 152-180, illustrated; plates.

Subject: Potato tuber worm; Olive pollinia; Hessian fly; Horn fly; Ox bot 3159; Rose sawfly; American rose slug; Rose worm; Strawberry weevil; White grub fungus; Elm leaf beetle; Pea weevil; Bean weevil; Sugarbeet webworm; Shoot borer; pine borer; Sugar cane; Ox warbler.

Folder 298. "The Ox Bot in the United States: Habits and Natural History of *Hypoderma lineata*," 1892.

Reprinted from **Insect life**, vol. IV, No. 9 and 10, June 1892, 16 pages.

Subject: *Hypoderma lineata*; Ox Bot.

Folder 299. "Yucca Insects and Yucca Pollination-Notes," by Charles V. Riley, June 20, 1893.

Published in the **Proceedings of the Biological Society of Washington**, June 20, 1893, vol. VIII, pages 41-54, Plate IX, illustrated.

Subject: *Pronuba maculata*; *Prodoxus*; *Yucca moth*; *Pronuba*.

Folder 300. "General Gardening," Dec. 1893.

An article from **Meehan's Monthly**; included is a poem "A Winter Scene" by Howard Worchester Gilbert.

Subject: *Vedalia cardinalis*; Cottony cushion scale; White scale; *Icerya purchasi*; Calla lily; Bear grass; *Yucca filamentosa*; *Cycas revoluta*.

Folder 301. "Parasitic and Predaceous Insects in Applied Entomology," by Charles V. Riley, 1893.

Read at the Fifth Annual Meeting of the Association of Economic Entomologists, Madison, Wisconsin, Aug. 15, 1893, and reprinted from **Insect Life**, vol. VI, No. 2, pages 130-141.

Subject: Army worm; *Leucania unipuncta*; Rascal leafcrumpler; *Mineola indizinella* Z; Bagworm; *Thyridopteryx ephemeraeformis*; Cabbage worm; *Pieris rapae*; Chalcid; *Pteromalus puparum*; Wheat midge (*Diplosis tritici*); Horn fly; Hessian fly; Noctuid; *Erastria scitula*; Black scale; *Lecanium oleae*; *Vedalia cardinalis*; *Icerya purchasi*; *Icerya*; Cottony cushion scale; Scale insect; Gypsy moth; Capri fig insect; *Blastophaga psenes*.

Folder 302. “Report of the Entomologist for 1893,” by Charles V. Riley, From the **Report of the Secretary of Agriculture** for 1893.

Subject: Locust; Cricket; *Anabrus simplex*; Orange mealy wing; *Aleodes citri*; Cicada; *Phorodon humuli*; Redlegged flea beetle; *Crepidodera rufipes*; Bollworm; Japanese insect; Scale insect; Hessian fly; Pernicious scale; *Aspidiotus perniciosus*; Peach diaspis; *Diaspis lanatus*; Ladybirds.

Folder 303. “Observations on the Air Microorganisms in Baltimore, by Cathryn V. Riley, 1915.

An essay submitted to the Board of University Studies of the Johns Hopkins University in confirmation of the requirements for the degree of Masters of Art, illustrated, 40 pages, 25 plates.

Subject: Bacteriology; Microorganisms.

Folder 304. “Insects Affecting the Hackberry, (various species of *Celtis*)” by Charles V. Riley, (USDA, author’s edition).

Extracted from the **Fifth Report of the United States Entomological Commission.**

Folder 305. “The Division of Insects in the United States National Museum,” by J.M. Aldrich.

Discusses the insect collection of the National Museum, Charles V. Riley, illustrated (some color).

From **Smithsonian Report for 1919**, pages 367-379, with 15 plates, publication No. 2606.

Subject: Insects; Beetles; Coleoptera; Neuroptera; Dragonflies; Odonata; Orthoptera; Diptera; Moth; Lepidoptera.

Folder 306. “Cranberry Fruit Worm,” By Prof. Charles V. Riley.

Article from the **Canadian Entomologist**, pages 237-238.

Subject: Cranberry fruitworm; *Acrobasis vaccinii*; Moth.

Folder 307. "The Hessian Fly an Imported Insect," by Charles V. Riley, 1888.

Reprint from the **Canadian Entomologist**, vol, IXX, page 121, 7 plates.

Subject: Hessian fly.

Folder 308. "Mexican Jumping Bean," by Charles V. Riley.

Reprint from the **Proceedings of the Entomological Society**, vol. II, No. 2, pages 178-181.

Subject: Arrow weed; Yerba de flecha; *Carpocapsa saltitans*; Mexican jumping seed; Calliguaja; Sebastiania.

Folder 309. "The Habits of *Thelessa* and *Tremex*," by Charles V. Riley, illustrated, 1 plate, (**Insect Life**, vol. 1).

Subject: *Thelessa atrata*; *Thelessa lunator*.

Foider 310. "Speech of Professor Charles V. Riley At the Second Trustees Banquet," May 1891.

Reprinted from the **Third Report of the Missouri Botanical Garden**, pages 50-52.

Included is an original letter from the Office of the Board of Trustees, Missouri Botanical Garden, dated May 14, 1891.

SERIES 8. REPORTS, REPRINTS, AND BOOKS, 1868-1919. (CONTINUED)

BOX 9.

Folder 311. "General Index and Supplement to the Reports on the Insects of Missouri," by C.V. Riley, Mar. 24, 1881.

Bulletin No. 6, U.S. Entomological Commission. Included is a copy of Lowell Lecture Series No. 5, "Little-Known Facts About Well-Known Animals", April 8, 1882, (illustrated, 32 pages).

Subject: Insects of Missouri; Noxious insects; Beneficial insects; Innoxious insects.

Folder 312. "Entomology - American Naturalist," by C.V. Riley, 1881.

A series of reprints from the **American Naturalist** on entomology, by C.V. Riley, illustrated; included are sheets - Applied Entomology - Howard. Smithsonian Miscellaneous Collections, vol. 84, pages 212-216 and 237-238.

Subject: Bee flies; Bombyliidae; Grape *Phylloxera*; Army worm; *Phylloxera*; Ephemeropterid; *Tarentula pikei*; *Tarentula nidifixa*; Cynipidae; Dimorphism; *Hydrophilus triangularis*; Pyrethrum; grasshopper; *Caloptenus spretus*.

Folder 313. "The Cotton Worm," by Charles V. Riley, Jan. 28, 1880.

"Summary of its natural history with an account of its enemies, and the best means of controlling it; being a report of progress of the work of the Commission".

Bulletin No. 3, from the U.S. Entomological Commission.

Subject: Cotton worm; Moth; worm; Cotton-plant; Hymenoptera; Parasites; Arsenical compounds; London purple; Pyrethrum powder; kerosene oil; Cottonseed oil; Carbolic acid; Sulphur; Sprinkler; Duster; Atomizer.

Folder 314. "Entomology - American Naturalist, 1881-1883."

A series of reprints from the **American Naturalist** on entomology, by C.V. Riley, 2 copies.

Subject: Bee flies; Bombyliidae; Grape *Phylloxera*; Army worm; *Phylloxera*; Ephemerid; *Tarentula pikei*; *Tarentula nidifex*; Cynipidae; Dimorphism; *Budrophilus triangularis*; Butterfly; Pryrethrum; Grasshopper *Calopterus spretus*; Chalcid pupation; Chalcididae; Gall; *Isosoma tritici*; Cotton worm; *Microcentrus retinermis*; Cricket; Malodorant; Potato beetle; Drought; Buffalo tree-hopper; *Ceresa bubalus*; Borer; Lepidoptera; Cicada; Carabidae; Coccinellidae; Coleoptera; *Alaurina prolifera*; *Physophores*; *Pennatulida*.

**SERIES 8. REPORTS, REPRINTS, AND
BOOKS, 1868-1919.
(CONTINUED)**

BOX 10.

Folder 315. "Directions for Collecting and Preserving Insects," by C.V. Riley, 1892.

Part F of Bulletin of the United States National Museum No. 39,
2 copies (one bound).

Subject: Hexapods; Hymenoptera; Coleoptera; Lepidoptera;
Thysanoptera; Diptera; Orthoptera; Neuroptera.

Folder 316. "Potato Pest," by C.V. Riley, 1876.

An illustrated account of the Colorado Potato-beetle and the other insect foes of the potato in North America with suggestions for their repression and methods for their destruction. Illustrated; 108 pages.

Subject: Potato beetle; *Doryphora 10-lineata*; Coleoptera;
Doryphora decemineata.

Folder 317. "The Saturday Lectures," Apr. 1882.

A series of lectures delivered in the lecture room of the U.S. National Museum by the members of the Biological Society and Anthropological Society, Washington.

Included is a program of lectures under the auspices of the Biological Society and Anthropological Society, Washington, 1883.

Subject: Anthropology; Entomology; Sociology; Biology.

Folder 318. “Applied Entomology,” by L.O. Howard.

Early history and early American writers of entomology - North America. This is a portion of the book, includes biography of C.V. Riley, and others. From **Smithsonian miscellaneous collections, vol. 84, Applied Entomology - Howard, part I**

Subject: Entomology.

Folder 319. “Insects in Relation to Agriculture,” undated. Discusses the importance of economic entomology.

From the American edition, **Encyclopedia Britannica.**

Subject: Arsenical compounds; Codling moth; Plum curculio; Apple curculio.

Folder 320. “The Standard Natural History - Orthoptera,” by C.V. Riley, pages 167-204, undated.

From the **Natural History of Arthropods, illustrated.**

Subject: Phasmidae; Blattidae; Cockroaches; Mantidae; Rear-horses; Walking sticks; Gryllidae; Crickets; Locustidae; Grasshoppers; Katydid; Acrididae; Locusts; Arthropods; Hemiptera.

SERIES 9.

APPENDIX I

RECORDS OF CHARLES VALENTINE RILEY IN OTHER COLLECTIONS

CHARLES VALENTINE RILEY

RECORDS AT THE U.S. NATIONAL ARCHIVES

The following information is from notes taken during an independent research workshop and course taken at the Archives during the week of May 28-31, 1985.

Record Group 48, Office of the Secretary of the Interior.

Series 127, Box 71 (5:13:1):

Letters Received Relating to the U.S. Entomological Commission, 1877-80.

This series contains a letter from Riley requesting that he be consulted as to whom to appoint to the "Grasshopper Commission" and a letter appointing C.V. Riley to the "Grasshopper Commission," as well as other correspondence to and from Riley. (2 Boxes)

Finding Aid: Preliminary Inventory. (unpublished) 3 volumes.
Available at the Archives.

Record Group 7, Records of the Bureau of Entomology and Plant Quarantine.

Series Entry No. 1. Letters Received 1878-83. 11 vols., 3 ft. (10 Boxes)

This series consists of letters to Riley and others dealing with requests for information concerning the identification of injurious crop insects and methods of eradicating or controlling these insects. Replies to these letters are among those described in Series Entry No. 5. The letters are bound in volumes and indexed by name of correspondent, and are arranged chronologically.

Series Entry No. 2. Letters Received 1883-1908. 51 ft.

The letters in this series pertain to subjects mentioned in Series Entry No. 1. The letters show an increasing tendency of farmers and State and foreign entomologists to seek Federal assistance in efforts to combat the ravages of old and new insects. They provide extensive documentation of the injurious effects of such insects as the cotton boll weevil, gypsy and browntail moths, San Jose scale, Hessian fly, and Rocky Mountain locust. Copies of replies to these letters are among those described in Series Entry Nos. 5 and 6. The letters are arranged alphabetically by name of correspondent.

Series Entry No. 3. Correspondence 1894-97. 13 ft.

The correspondence in this series relates to various activities of the Division of Entomology. This group of correspondence seems to have been withdrawn from the series of Letters Received (Series Entry No. 2) and Letters Sent (Series Entry No. 5) for unknown reasons. It includes a considerable amount of correspondence with State and foreign entomologists. The correspondence is arranged alphabetically by name of correspondent.

Series Entry No. 5. Letters Sent 1878-93. 80 vols., 9 ft.

These letters are press copies and relate to all phases of the work of the Division of Entomology. The letters show the great amount of attention given to dissemination of information concerning destructive insects. Also revealed are the early efforts by the Division to encourage apiculture and sericulture. The volumes are indexed by the name of the correspondent and arranged chronologically.

Series Entry No. 6. Letters Sent 1893-1908. 32 ft.

These letters are press copies that relate to several of the subjects mentioned in Series Entry No. 5, especially the inauguration and growth of investigations of the cotton boll weevil and the gypsy and brown-tail moths. The letters are arranged alphabetically by first letter of the correspondent's surname.

Series Entry No. 7. Letters Referred by the Assistant Secretary of Agriculture, 1892-94. 1 ft.

This series consists of letters received by the Secretary of Agriculture and the Assistant Secretary of Agriculture and referred by the latter to the Chief of the Division of Entomology for reply, together with copies of replies sent over the signature of the Assistant Secretary. The letters are arranged alphabetically by the name of the correspondent.

Series Entry No. 11. Letters Received Relating to the National Museum, 1890-1903. 6 in.

These letters pertain to the activities mentioned in Series Entry No. 19. They are arranged alphabetically by the name of the correspondent.

Series Entry No. 19. Letters Sent Relating to the National Museum, 1885-1908. 3 vols., 3 in.

These letters are press copies relating to the cooperation of the Division of Entomology and the Bureau of Entomology with the United States National Museum, (now The Smithsonian), especially its Department of Insects, in the preparation of entomological publications, acquisition of insect collections, insect investigations, and similar activities. The Chief of the Division and of the Bureau served as the Honorary Curator of Insects of the National Museum. The volumes are indexed alphabetically by the name of the correspondent and arranged chronologically. Related letters received are described in Series Entry No. 11.

Series Entry No. 24. Notes of the Division of Entomology, 1863-1903. 22 vols., 3 ft.

The handwritten notes in this series pertain to the history and description of specimens of larvae, pupae, and insects collected by Charles V. Riley and other officials of the Division of Entomology and by private individuals. Included are notes concerning entomological specimens, written by Mr. Riley before he entered Federal service, when he was a farmer in Illinois and later the State Entomologist of Missouri. The notes are recorded in two groups of volumes, one for the period 1863-79 and the other for the period of 1879-1903, and are arranged numerically by specimen number.

Series Entry No. 27. Correspondence Relating to a Bibliography of American Economic Entomology, 1886-96. 1/2 in.

This correspondence deals with a controversy concerning the credit due B. Pickman Mann, a former employee of the Division of Entomology, for the authorship of certain parts of the **Bibliography of the More Important Contributions to American Economic Entomology**. (Washington, 1889-1905, 8 vols.) The letters are arranged chronologically.

Series Entry No. 43. Photographic Records Relating to Eminent Entomologists, 1894-1938. 28 ft. (RG-7-H Box no. 34)

This series consists of photographic prints and photographic copies of drawings and portraits, as well as an incomplete series of corresponding negatives, of eminent entomologists and natural scientists

from 1700 to 1938 accumulated by Leland O. Howard, who was Chief of the Division and Bureau of Entomology from 1894-1927. The copies of portraits are arranged alphabetically by name of subject; negatives are arranged numerically. A collection of prints relating to groups of entomologists is unarranged.

Record Group 7

Finding Aid: Preliminary Inventory No. 94; Records of the Bureau of Entomology and Plant Quarantine. Compiled by Harold T. Pinkett. Published by the National Archives, Washington, D.C., 1956.

Chronology of C.V. Riley's USDA Service from: Preliminary Inventory No. 94, p.3

HEAD	AGENCY	PERIOD OF SERVICE
C.V. Riley (Then J. Henry Comstock)	Division of Entomology	June 1878-Apr. 79
C.V. Riley	Division of Entomology	Mar. 1881-June 94

SMITHSONIAN INSTITUTION ARCHIVES:

THE CHARLES VALENTINE RILEY COLLECTION; RECORD UNIT NO. 7076.

CHARLES VALENTINE RILEY PAPERS, 1866-95 (9.5 cubic feet, bound and loose).

These papers concerning entomology, mostly economic, include scrapbooks compiled by Riley and occasionally by others, 1872-94, tracing the history of entomology in clippings from a wide variety of sources arranged topically and are especially useful for tracing Riley's work as State Entomologist of Missouri; **Memorandum Entomologicum**, 1866-79, consisting of descriptions, drawings, observations and some rearing data on a wide variety of injurious insects; outgoing correspondence, 1866-95, including letters from Riley to other entomologists; incoming correspondence, 1882-83, relating to silk culture; and notes and papers, mostly on psyllidae. See record units 138 and 139 for records of the Division of Insects of the National Museum.

Subjects: American Association for the Advancement of Science; **American Entomologist**; Economic Entomology; Entomology; Entomology, history of; Missouri, entomology in; Paris, France, Exposition, 1889; Taxonomy; United States Department of Agriculture, Bureau of Entomology.

Names: Cleveland ABBE, William Harris ASHMEAD, George Francis ATKINSON, Lawrence BRUNER, Daniel William COQUILLET, Ezra Townsend CRESSON, Charles Henry FERNALD, Stephen Alfred FORBES, Hermann August HAGEN, Leland Ossian HOWARD, George Duryea HULST, Karl LINDEMAN, Franz LOEW, Eleanor Anne ORMEROD, Charles Robert OSTEN-SACKEN, Alpheus Spring PACKARD, William Hampton PATTON, Charles Valentine RILEY, Eugene Amandus SCHWARZ, Samuel H. SCUDDER, John Bernhard SMITH, Philip Reese UHLER, John Obadiah WESTWOOD.

Dates:	1866-70	1881-85
	1871-75	1886-90
	1876-80	1891-95

Collection Divisions: (1) Scrapbooks, 1872-95; (2) Memorandum Entomologicum, 1866-79; (3) Outgoing Correspondence, 1886-95; (4) Incoming Correspondence, 1882-83; (5) Notes and Papers.

1. **SCRAPBOOKS, 1872-95**(88 volumes, 8 cubic feet).

Scrapbooks, mostly prepared by Riley, providing an historical overview of the development of entomology, 1872-95; contain mostly news clippings from a considerable number of publications, and some correspondence; organized in rough chronological sequence, with many irregularities, and topically from volume to volume, although some volumes are not labeled by topic. Articles by Charles V. Riley and texts or reports of his speeches may be found in volumes 10, 14 (1873-78), 15 (on his Reports as Entomologist of Missouri), 19 (1873-78), 23, 61 (1883-89), 71 (1888-91), 91 (1892-95).

Some of the volumes apparently were compiled by the USDA and given to Riley, or the Bureau of Entomology. A few others may have been compiled by others. Most volumes have notations that they were cataloged, but by whom is not known. **There are gaps in the volume numbers.**

(Smithsonian Scrapbooks—Continued)

Box 1 Volume 5 1872

Miscellaneous
Entomology
Items suggesting or needing criticism
Poetry
Personal
Education

Volume 6 1872

Miscellaneous
Literary, poetry
Entomology
Items suggesting or needing criticism
Personal
Botany
Agriculture
Education

Volume 7 Birds vs. Insects

LeBaron
Animal creation
Walsh's death
Conotrachelus nenuphar
Carpocapsa pomonella
Walsh-Klipp controversy
Army worm - locusts
Walsh's political writings
Miscellaneous

Volume 8 Entomology

Education

Box 2 Volume 9 1873-74

Abolition of Missouri State Entomologist
Personal

Volume 10 Articles by C.V. Riley, Works Read 1876

Volume 11 1876

Agricultural Excursion 1873
AAAS
Grape Culture

(Smithsonian Scrapbooks—Continued)

Box 3 Volume 12 1876

Botany
Miscellaneous
Poetry
Agriculture
Arboriculture and Meteorology
Humor
Evolution, Darwinism
Grape culture
Philosophy
Theology
Ornithology
Entomology
General remedies for insects
Codling moth scraps
Botany

Volume 14 C.V. Riley Articles and news clippings
1873-78

Box 4 Volume 15 Potato pests
Mo. State Entomologists Reports 6-9
Cabbage worms
Personal
Doryphora 1878

Volume 16 *Saperda livittata*
Blight

Volume 17 Arboriculture and meteorology

Volume 18 General remedies and experiments to be made
Mycology
Botany
Wheat-chess letters
Miscellaneous
Silk culture
Potato insects
AAAS

(Smithsonian Scrapbooks—Continued)

Box 5 Volume 19 Articles by C.V. Riley, 1873-78

Volume 20 Apple tree borers

Cicada

Bagworm

Cutworms

Phylloxera

Tobacco moth

White grub

Potato pests

Coloptenus spretus 1874

Items used in making up the 7th Report (Mo. Ent.)

Volume 21 1878

Agriculture

Apiculture

Arboriculture and Meteorology

Evolution

Floriculture

General remedies

General entomology

Galls

Grape culture

Horticulture

Literary

Mycology

Miscellaneous

Volume 22 1880-81

Ornithology

Biology

Education

Embryology

Cabbage worm

Hessian fly

General entomology

Economic entomology

Cotton worm

Hymenoptera (Economic)

Neuroptera (Economic)

Orthoptera (Economic)

(Smithsonian Scrapbooks—Continued)

Box 6 Volume 23 C.V. Riley articles and news clippings

Volume 24 Philosophy ca. 1881
Cotton worms
AAAS 1882

Volume 25 AAAS 1882
Agricultural Congress, 1882
AAAS 1881

Volume 26 Phylloxera 1879
Lepidoptera (Economic)
Hemiptera (Economic)

Box 7 Volume 27 General entomology ca. 1881
Meetings and officers
General zoology
Miscellaneous

Volume 28 Mycology ca. 1880
Botany
Horticulture
Grape culture
Arboriculture and Meteorology

Volume 29 General zoology
Agriculture
AAAS, 1879
AAAS, 1880

Volume 30 U.S. Entomological Commission, 1880, 1881
Mycology
AAAS, 1880
Department of Agriculture

Box 8 Volume 31 ca. 1881
Galls
Forestry
American Entomologist
Spretics, 1881
Agriculture
Department of Agriculture
Crustacea

(Smithsonian Scrapbooks—Continued)

Annelids, Arachnids
Ornithology
Instinct and Reason
Evolution
Anthropology

Volume 32 ca. 1880

Aphididae
Agriculture
Bees vs. fruit
Cabbage worms
Cicada
Coccidae
Codling moth
Doryphora, 1879

Volume 33 ca. 1882

AAAS, 1881
Forestry Congress
Silk

Volume 34 Dr. Loring

Ornithology
Chinch Bug
Remedies
Orthoptera

Box 9 Volume 35 1882

Silk
General entomology
Forestry
AAAS

Volume 36 1882

Diptera
Coleoptera
General zoology
Phylloxera
Hymenoptera
Botany

(Smithsonian Scrapbooks—Continued)

Volume 37 1882

Biography
Grape culture
Miscellaneous
Lepidoptera
Leucania

Volume 38 1882

Cotton
Agriculture
Hemiptera (Economic Entomology)
Horticulture
Literary
Silk
Forestry

Box 10 Volume 39 1882

National Academy
Cicada septendecum
Coccidae
Bees vs. fruit
Comstock, J.H.
Aphididae
LeDuc, W.G.
Darwiniana
Earthworms
Dodge, C.R.
Riley, C.V., personal

Volume 40 Thomas, Cyrus
Poetry by C.V. Riley to others
Miscellaneous

Volume 41 1882-83
Department of Agriculture
Sorghum
Dr. Collier

Volume 42 1880-83
Economic entomology
Remedies
Cankerworms
Cabbage insects

(Smithsonian Scrapbooks—Continued)

Pyrethrum
Insects and plants
Birds vs. Insects
Silk
Botany
Department of Agriculture
Miscellaneous
Personal

Box 11 Volume 44 1879-81

Insects vs. flowers
General entomology
General remedies
Silk Culture

Volume 45 1879-81

Economic entomology
Coleoptera
Diptera
Hemiptera

Volume 46 1882-83

Silk
Irrigation
Agricultural legislation
General entomology
Agriculture
Acaridae

Volume 47 1881-83

Mycology
Myriopoda
Physical
Flowers and Insects
Phylloxera
Personal
Bees vs. Fruit
Crandell
Literary
Coccidae
Codling moth
General zoology

(Smithsonian Scrapbooks—Continued)

Ornithology
Leucania
Entomological Commission
Spretus
Neuroptera
Aphididae
Embryology
Evolution

Box 12 Volume 48 Mulberry
 Russian mulberry
 Multicaulis and *Morus alba*
 Electricity
 Silkworm CVR
 Yammamai and Tusser moth of the Deccan
 Guide to silk culture

Volume 49 1882-83
 Scientists at Minneapolis
 Crustacea, Entozoa, etc.
 Othoptera
 Diptera
 Education
 Philosophy
 Hymenoptera
 Biography
 Hemiptera

Volume 50 AAAS, 1883

Volume 51 1883
 Fungi and Disease
 Agriculture
 Bees and Flowers
 Birds and Insects
 Coccidae
 English sparrow
 Fertilization
 Flowers and Insects
 Loring

(Smithsonian Scrapbooks—Continued)

Natural History
Obituary
Parasites on livestock
Phylloxera
Remedies

Box 13 Volume 52 1882-83

Miscellaneous
Agriculture
Arboriculture and Meteorology
Botany
Coleoptera (Economic)
Diptera (Economic)
Lepidoptera (Economic)

Volume 53 1882

Lepidoptera
Hemiptera
Hymenoptera
Neuroptera
Floriculture
Forestry
Horticulture

Volume 54 1883

Horticulture
Lepidoptera
Parasites on livestock
Remedies
Diptera
Epizootics
Floriculture
Forestry
Hemiptera
Horticulture
Hymenoptera
Lepidoptera
Mammalia

Volume 55 1883-84

Arachnida
Apiculture
Arboriculture and Meteorology
Botany

(Smithsonian Scrapbooks—Continued)

Coleoptera
Mollusca
Neuroptera
Orthoptera
Parasites on livestock
Pomology

Box 14 Volume 56 Remedies

Sorghum
Tea culture
Trichina
Vermes
English sparrow
Cabbage worms
Birds and Insects
Canker worms
Chinch bugs
Coleoptera
Colorado potato beetle
Congress
Cotton worms

Volume 57 1884

Volume 58 Forestry

Fungi and Disease
Heteroptera
Homoptera
Horticulture
Hymenoptera
Lepidoptera

Volume 59 1884

Myriopoda
Neuroptera
Orthoptera
Parasites on livestock
Sorghum
Vermes
Worms
Acarina
Agriculture

(Smithsonian Scrapbooks—Continued)

Arboriculture and Meteorology
Bees and Flowers
Birds and Insects
Birds and Fruit
Coccidae
Coleoptera

Volume 60 1884-85

Box 15 Volume 61 Articles by C.V. Riley, 1883-89

Volume 62 Loring

Crustacea
Diptera
English sparrow
Epizootics
Fertilization
Flowers and Insects

Forestry
Fungi and Disease
Hemiptera
Horticulture
Hymenoptera
Lepidoptera
Neuroptera
Orthoptera
Parasites on livestock
Pomology

Volume 63 Missing - misnumbered 61 (?) 1884

Remedies
Sericulture
Sorghum
Vermes
Worms

Volume 64 1882-85

Loring
Agriculture Department
Colinau

(Smithsonian Scrapbooks—Continued)

Volume 65 Cicada, ca. 1885

Volume 66 1884-87

Box 16 Volume 67 1885

Miscellaneous, not Entomology

Miscellaneous entomology

Mollusca

Neuroptera

Obituary

Ornithology

Orthoptera

Parasites

Phylloxera

Pyrethrum

Remedies

Volume 68 1885

Acarina

Arachnida

Meteor

Bees and Flowers

Birds and Insects

Coccidae

Coleoptera

Loring

Diptera

English sparrow

Fertilization

Flowers and Insects

Forestry

Fungi and Disease

German clippings

Hemiptera

Hymenoptera

Lepidoptera

Volume 69 1884-86

Volume 70 1887

(Smithsonian Scrapbooks—Continued)

Box 17	Volume 71	Articles copied from C.V. Riley 1888-91
	Volume 72	1887-88
	Volume 73	1887-89
	Volume 74	Paris Exposition, 1889
Box 18	Volume 75	Special, 1889
	Volume 76	Insect Life , 1888-90
	Volume 78	1889-92
	Volume 79	1885-90
Box 19	Volume 80	1890
	Volume 81	1890
	Volume 82	Department of Agriculture, 1890-91
	Volume 83	Special, 1890-91
Box 20	Volume 84	1890-91
	Volume 85	1891
	Volume 86	1891-92
	Volume 87	1890-92
Box 21	Volume 88	"Science" 1883-93
	Volume a	Apiculture, 1891-93
	Volume 89	Special, 1888-92
	Volume 90	1890-93

(Smithsonian Scrapbooks—Continued)

- Box 22 Volume 91 Articles by C.V. Riley, 1892-95
- Volume 92 **“Science,”** 1893
- Volume 94 1891-95
- Box 23 Volume 95 1894-95
- Volume a Evolution
Psychology
Aeronautics
Ethnology
1894-95
- Volume b Paris Exposition from Galignani’s Messenger
- Volume c Special, 1894
- Volume d USDA # 1, Locusts, 1885
- Box 24 Volume e USDA # 2, 1885-90
- Volume f USDA # 3, 1890
- Volume g USDA, Rusk, 1890-92
- Volume h USDA, Morton, 1893-94
- Box 25 Volume i USDA, **Insect Life**, 1890-91
- Volume j 1889-91
- Volume 43 1876-78 Locust Injury Report

2. MEMORANDUM ENTOMOLOGICUM, 1866-79 (4 volumes).

Notebooks used by Riley, mostly during his tenure as State Entomologist of Missouri, to accumulate information about injurious insects; include notes from literature, brief descriptions, drawings, clippings, notes on observations, and rearing data in many cases. The insect under study was given a number and a few pages in the notebook (numbers 42-414 are included here), and then data was added by Riley as he made

observations. The notebooks were indexed individually, and a catalog, which is not included here, was made for all volumes.

Box 26 Volume 1	Missing
Volume 2	Numbers 42-135, with index and glossary of terms. Includes many drawings, notes, clippings.
Volume 3	Numbers 136-229. Index, drawings, notes, clippings.
Volume 4	Numbers 230-326. Index, a few drawings, notes, clippings.
Volume 5	Numbers 327-414. Index, a few drawings, notes, occasional correspondence.

3. OUTGOING CORRESPONDENCE, 1886-95 (4 volumes)

Box 27 Outgoing Correspondence, 1886-95. Partially personal and partially official Department of Agriculture correspondence. Addressees include: Cleveland ABBE, William Harris ASHMEAD, Lawrence BRUNER, Daniel William COQUILLET, Ezra Townsend CRESSON, Charles Henry FERNALD, Stephen Alfred FORBES, Hermann August HAGEN, Karl LINDEMAN, Franz LOEW, Eleanor Anne ORMEROD, Charles Robert OSTEN-SACKEN, Alpheus Spring PACKARD, William Hampton PATTON, Samuel H. SCUDDER, John Bernhard SMITH, Philip Reese UHLER, John Obadiah WESTWOOD.

Outgoing Correspondence, 1887. Written by Riley in summer of 1887 while vacationing in Massachusetts and journeying to the convention of the American Association for the Advancement of Science; mostly relating to departmental business, but also to professional concerns. Addressees include: George Francis ATKINSON, Daniel William COQUILLET, Leland Ossian HOWARD, George Duryea HULST, Eugene Amandus SCHWARZ, and John Bernhard SMITH. Notable topics include politics of the American Association for the Advancement of Science and extensive correspondence about Hulst's opinions on *Yucca* moth fertilization.

Outgoing Correspondence, 1889, (2 volumes). Written by Riley, and occasionally by others, from Paris during his work with the French Exposition. Riley was acting for the Secretary of Agriculture as Assistant Commissioner of the United States at the exposition, and most of the correspondence pertains to details of this work; includes detailed

information on the U.S. exhibit at Paris. Volume 2 contains mostly letters from Riley or his assistant in Paris to Howard regarding Bureau of Entomology business; letters to the Secretary of Agriculture describe Riley's problems at the exposition.

4. INCOMING CORRESPONDENCE RELATING TO SILK CULTURE, 1882-1883.

Box 28 Incoming Correspondence of the Department of Agriculture

5. NOTES AND PAPERS

Folder 1 Miscellaneous Papers on Psyllidae

Folder 2 Notes on Psyllidae

Folder 3 Notes and Correspondence on Psyllidae

Folder 4 "Descriptions of North American Psyllidae in Collections of the United States National Museum.

Box 29

Folder 1 The Psyllidae of the United States

Folder 2 Drawings of Psyllidae, authorship in question

Folder 3 Plates. Riley and/or Schwarz

Folder 4 Notes on *Pachypsella* and *Blastophaga*

Folder 5 The Psyllidae in Fitch's Collection

Folder 6 Drawings: Psyllidae

ACADEMY OF NATURAL SCIENCES OF PHILADELPHIA;

MANUSCRIPT COLLECTIONS:

CHARLES VALENTINE RILEY PAPERS.

Collection No. Collection Name and Series:

1	Leidy, Joseph 1823-91. Signers.	Correspondence, 1839-91. Riley, C.V. (15) 1869-79
1-B	Leidy, Joseph 1823-91. Signers.	Correspondence, 1850-90. Riley, C.V. (7) 1869-84
26	Rex, George A.D. 1895.	Correspondence 1881-94. Riley, C.V. (2) 1891.
150	American Entomological Society 1867-51.	Correspondence 1881-94. Riley, C. V. (43) 1871-94
207	Ruschenberger, William Samuel Waithman 1807-95.	Correspondence 1868-94 Riley, C.V. 1880
211	American Entomological Society	History, 1868-1958. Riley, C.V. (2) 1871
450	Stone, Witmer 1856-1939.	Correspondence, pertaining to the History of Ornithology, 1884-1936. Riley, C.V. 1888
565	Jones, Frank Morton 1869-1962.	Biological Correspondence, 1893- 1959. Riley, C.V. (2) 1890-92
567	ANSP. (Analyzed "Official") 1812-1920.	Correspondence Riley, C.V. (5) 1870-85
923	Bassett, Homer Franklin 1826-1902.	Papers, 1864-1901. Riley, C.V. (9) 1873-95

FINDING AID: Guide to the Manuscript Collections in the Academy of Natural Science of Philadelphia. Compiled by Venia T. Phillips and Maurice E. Phillips. Special Publication No. 5, 1963, 553 pages. C.V. Riley — PUBLICATIONS

Note: There are two other institutions known to have Riley materials in their collections, but which were unable to report on them for this register. They are as follows:

The Field Museum of Chicago,
Chicago, Illinois.

The Entomological Society of America,
Lanham, Maryland.

The Society has over a hundred engraving blocks drawn and used by Riley to illustrate his two periodicals, *American Entomologist* and *Insect Life*. In addition, there is a statue and other memorabilia. Projects to enumerate and make listings are in progress.

SERIES 10.

APPENDIX II

C. V. RILEY — PUBLICATIONS

- 422 Riley, Charles Valentine, 1843-95.
R Additional notes on *Veguthymus yuccae*... (St. Louis, 1878) 23-25 pp. pl. 23 1/2 cm.

From the **Transactions of the Academy of Science of St. Louis**, vol. III, no. 4, pp. 566-568. With his "On the larval characters and habits of the blister beetles..."

- 430 Riley, Charles Valentine, 1843-95.
R45F Additional notes on the army worm (*Leucania unipuncta*)... (Abstract.) Salem, 1881. 24-26 pp. 25 cm.

From the **Proceedings of the American Association for the Advancement of Science**, vol. XXIX, Boston meeting, Aug. 1880.

423 Riley, Charles Valentine, 1843-95.
R45N Address on the cotton worm; before the cotton convention at Atlanta, Nov. 2, 1881, with discussion. Washington, 1881. (U.S. Dept. of Agriculture, (Report No. 17) pp. 18-35.

The greater part of the address is also published in **Report of the Commissioner of Agriculture for 1881 and 1882**, pp. 153-157.

30.4 Riley, Charles Valentine, 1843-95, Agricultural
R45 advancement in the United States, pp. 8, n. p. 1878.

From the **Journal of the American Agricultural Association**.

422 Riley, Charles Valentine, 1843-95.
R Annual address... as president of the Entomological Society of Washington for the year 1884. Washington, Gibson Bros., printers and bookbinders, 1886. 10p. 24 cm.

420 From: **Wash. Ent. Soc. Proc.** vol. 1 pp. 17-27, 1885.
W27
V.1

423 Riley, Charles Valentine, 1843-95.
P45A Missouri State Entomologist. **Annual report on the noxious, beneficial and other insects** of the State of Missouri, 1st-9th. 1868-76. Jefferson City. 9 v. illus. 23 cm.

1 General index and supplement to the nine reports on the
En8B insects of Missouri, by Charles V. Riley. Washington, Govt. Print. Off., 1881. 177 p. 23 cm. (U.S. Entomological Commission. **Bulletin No. 6.**)

430 Riley, Charles Valentine, 1843-1895.
R45B Bemerkungen uber *Pronuba yuccasella* und uber die Befruchtung der *Yucca*-arten... n. p., 1876. 377-382 p. 22 cm.

Translation of an article published in **Transactions of the Academy of Science of St. Louis, 1876.**

422 Riley, Charles Valentine, 1843-95.
R45B Biological notes on the army worm (*Leucania unipuncta* Haw.).
(Salem, 1877). pp. 279-283 illus. 24 cm.

From **Proceedings of the American Association for the
Advancement of Science, 25th meeting, 1876.**

422 Riley, Charles Valentine, 1843-45.
R Book review. Alternating generations. A biological study of
oak galls and gall flies. By H. Adlar, M.D. Schleswig.
Translated and edited by C.R. Straton. 1895. 7 p. 26 cm.

Reprinted from **Science**, No 17, Apr. 1895.

1 Riley, Charles Valentine, 1843-95.
Ag84 Cabbage insects.
1884

(In **U.S. Dept. of Agriculture. Report,
1884**, pp. 285-334, 23 cm. Washington, 1884)

430 Riley, Charles Valentine, 1843-1895.
R45P1 The cabbage Plutella. (*Plutella cruciferarum* Zell. Order
Lepidoptera; Family Tineidae.) New York, 1884. pp. 6837
-6838 illus. 41 cm.

From the **Scientific American supplement,
No. 428, Mar. 15, 1884.**

1 Riley, Charles Valentine, 1843-95.
Ag84 Cabbage worms. (In **U.S. Dept of Agriculture. Report,
1883**, pp. 107-138. plates (part col) 23 cm.
1883 Washington, 1883)

430 Riley, Charles Valentine, 1843-95.
R45Ca Canker worms: being an account of the two species
injurious to fruit and shade trees, with practical
suggestions...(Washington) 1883. 2 p. 1., pp. 157-197 illus.,
pl. 23 cm.

Author's edition, extracted from the **Third report
of the United States Entomological Commission.**

- 411 Riley, Charles Valentine, 1843-95.
R Capitalizing specific names. 1883. 3 p. 23 cm.
- From **Papilio**, vol.
3, p. 164, Sept.-Dec. 1883.
- 431 Riley, Charles Valentine, 1843-95.
R45c The chinch bug. New York, 1881. 1. p. illus. 31 1/2
6 x 4 cm.
Am3
v.40 From **American Agriculturist**, Nov. 1881, p. 476.
- 427 Riley, Charles Valentine, 1843-95.
R45C The Colorado beetle. With suggestions for its repression and
methods of destruction. By Charles V. Riley... London, G.
Routledge and sons, 1877. Vol. 1, pp. 7-123 incl. front. 17 cm.
- 422 Riley, Charles Valentine, 1843-95.
R45C Controlling sex in butterflies... (Salem, 1873) 9 p. 24 cm.
- From **The American Naturalist**, vol. VII, Sept. 1873.
- 430 Riley, Charles Valentine, 1843-95.
R45ch The cotton worm. The question of hibernation settled. p. 40.
23 cm.
- From **The Western Farmer's Almanac**. 1883, p. 40.
- 1 Riley, Charles Valentine, 1843-95.
En8B The cotton worm. Summary of its natural history, with
no.3 an account of its enemies, and the best means of controlling
it; being a report of progress of the work of the commission.
By Chas. V. Riley... Washington, Govt. Print. Off., 1880. vi p.,
11. 144 p. illus., col., pl. 22 1/2 cm. (**Dept. of the Interior.**
United States Entomological Commission Bulletin no. 3)
- 430 Riley, Charles Valentine, 1843-95.
R45C The cotton worm in the United States. (Abstract.)...
also Philadelphia, 1880, 3 p. 25 cm.
42.2
R45 From the **Proceedings of the American Association for the
Advancement of Science**, vol. XXVIII, Saratoga meeting, Aug.
1879.

- 430 Riley, Charles Valentine, 1843-95.
R45D Descriptions of some new Tortricidae (leaf-rollers)... St. Louis, 1881. 9 p. 23 cm.
- From the **Transactions of the St. Louis Academy of Science**, vol. IV, No. 2, Apr. 28, 1881.
- 1 Riley, Charles Valentine, 1843-95.
En82B Destructive locusts. A popular consideration of a
no.25 few of the more injurious locusts (or "grasshoppers") of the United States together with the best means of destroying them. By C.V. Riley... Washington, Govt. Print. Off., 1891. 62 p. front. (fold. map) illus., XII pl. 23 cm. (**U.S. Dept. of Agriculture. Division of Entomology. Bulletin No. 25**)
- 500 Riley, Charles Valentine, 1843-95.
5m65B Directions for collecting and preserving insects. 4 + 147
no.39 p. 139 illus. plate.
also
422 From **U.S. National museum. Bulletin, No. 39, Pt. F. Wash. 1892**, "Entomological works", pp. 131-145.
R45D
- 423 Riley, Charles Valentine, 1843-95.
R45E Einige unserer schadlicheren Insekten. pp. 35, 8. St. Louis, 1872.
- 422 Riley, Charles Valentine, 1843-95.
R45E Entomological papers... (Salem, 1879) (3) - 23 p. fold. map. 24 cm.
- From the **Proceedings of the American Association for the Advancement of Science**, St. Louis meeting, Aug. 1878.
- Contents: The philosophy of the movements of the Rocky Mountain locust - A new source of wealth in the United States. Notes on the life-history of the blister beetle.
- 422 Beetles and on the structure and development of *Hornia*.—On
R45E the larval characteristics of *Corydalis cornutus*.—Biological notes on the gall-making Pemphiginae.
- 422 Riley, Charles Valentine, 1843-95.
R45Ec Entomological papers; a collection. n.p., 189-? 1 vol. (various pagings).

- 422 Riley, Charles Valentine, 1843-95.
R45En Entomology... n. p. 1876. pp. 281-289 23 cm.
- From **Ware's Valley Monthly**, Aug. 1876.
- 422 Riley, Charles Valentine, 1843-95.
R45Et Entomology in Missouri... (Salem, 1874) 24 cm.
- From **The American Naturalist**, vol. VIII, Mar. and Apr. 1874.
- 1 Riley, Charles Valentine, 1843-95.
En82B Experiments with insecticides. 3 pp. Wash., 1885. (U.S.
no.11 **Department of Agriculture, Division of Entomology. Bulletin 11.**, pp. 5-7).
- 1 Riley, Charles Valentine, 1843-95.
En8 U.S. Entomological Commission. First annual report...for
v.1 the year 1877 relating to the Rocky Mountain locust and
also the best methods of preventing its injuries and of
423 guarding against its invasions... Washington, Govt.
Un3 Print. Off., 1878. vol. 1, 295 p. front. illus. v. pl. fold. maps.
v.1 24 cm. At head of title: Department of the Interior. U.S.
Geological Survey. Commissioners: C.V. Riley, A. S. Packard,
Jr., Cyrus Thomas. "Notes on the nature of the food of the
birds of Nebraska. "By Prof. Samuel Aughey," App. II, pp.
13-62. Bibliography: App. XXVII, pp. 273-279.
- 1 Riley, Charles Valentine, 1843-95.
En8 U.S. Entomological Commission. Fourth report...being a
v.4 revised edition of Bulletin No. 3, and a final report on the
cotton worm, together with a chapter on the boll worm. By
Charles V. Riley... Washington, Govt. Print. Off. 1885.
XXXVIII, 399. 147 p. illus. IXIV pl. (part col.) fold., maps. 23
cm. At head of title: U.S. Department of Agriculture. Also
issued as House Misc. Doc. 39, 48th Cong. 2d Sess. Serial No.
2325, "History of the literature and bibliography" pp. 322-
344. Bibliography of the boll worm; pp. 382-384.
Appendix I - VI, papers by H.G. Hubbard, R.W. Jones, J.P.
Steele, E.H. Anderson, J.C. Branner, W.J. Jones.
- 430 Riley, Charles Valentine, 1843-95.
R45F Further notes on the pollination of *Yucca* and on *Pronuba*
and *Prodoxus*. (Salem, Salem Press, 1881) 23 p. illus. 24
1/2 cm. Caption title.

From the **Proceedings of the American Association for the Advancement of Science**, vol. XXIX, Boston meeting, Aug. 1880.

- 430 Riley, Charles Valentine, 1843-95.
R45Fu Further notes on *Yucca* insects and *Yucca* pollination...
Washington, 1893. pp. 41-53, 1 pl. 24 1/2 cm.

From the **Proceedings of the Biological Society of Washington**,
vol. VIII.

- 427 Riley, Charles Valentine, 1843-95.
R45II Habits of Fuller's rose beetle. Philadelphia, 1879. pp. 310-
311, illus.

From the **Gardener's Monthly and Horticulturist**,
Oct. 1870. vol. 21.

- 430 Riley, Charles Valentine, 1843-95.
R45H Hackberry butterflies. Descriptions of the early stages of
Apatura lycaon, Fabr., and *Apatura herse*, Fabr.; with
remarks on their synonymy... St. Louis, 1873. pp. 193-208,
illus. 24 1/2 cm.

From the **Transactions of the St. Louis Academy of Science**,
vol. III.

- 425 Riley, Charles Valentine, 1843-95.
H83H Howard, L.O. The hymenopterous parasites of the North
American butterflies... Including a section upon the
microgasters, by C.V. Riley, 1889.

Extracted from **Scudder's Butterflies of the Eastern United
States and Canada**.

- 1 Riley, Charles Valentine, 1843-95.
En82B ... The *Icerya* or fluted scale, otherwise known as the cottony
cushion scale... Washington, Govt. Print. Off., 1887. 40 p. 23
cm. (U.S. Dept. of Agriculture, Division of Entomology.
Bulletin No. 15). CONTENTS-The scale-insects of the orange
in California, and particularly the *Icerya* or fluted scale... by
C.V. Riley—Notes on *Icerya*—its probable origin the islands of
Bourbon and Mauritius. By C.V. Riley-The use of gases
against scale insects. By F.W. Morse.

- 1
En82B Riley, Charles Valentine, 1843-95.
The imported elm leaf-beetle. Its habits and natural history, and means of counteracting its injuries. Washington, Govt. Print. Off., 1885. 20 p. illus., pl. 23cm. (**U.S. Dept. of Agriculture. Division of Entomology, Bulletin No. 6**).
- Reprinted from Report of the Entomologist In **Report of the Commissioner of Agriculture** for 1883.
- 1
En82B Riley, Charles Valentine, 1843-95.
The imported elm leaf-beetle. Its habits and natural history, and means of counteracting its injuries. Washington, Govt. Print. Off., 1891. 21 p. illus., pl. 23 cm. (**U.S. Dept. of Agriculture. Division of Entomology Bulletin No. 6 (2d ed)**)
- 423
R45I Riley, Charles Valentine, and others, 1843-95.
Injurious insects. Bound vol. of pamphlets, contents:
1. Riley, C.V. Insects affecting the hackberry.
2. Scudder, S.H. Pine moth of Nantucket.
3. Hopkins, A.D. Insects destructive of black spruce.
4. Riley, C.V. Our shade trees and their insect defoliators.
5. Packard, A.S. Insects injurious to forest and shades trees.
- 1
En821 Riley, Charles Valentine, 1843-95, ed.
U.S. Department of Agriculture, Division of Entomology....**Insect Life**... Devoted to the economy and life habits of insects especially in their relations to Agriculture... vols. I-VII: July 1883-July 1895. Washington, Govt. Print. Off., 1888-95. 7 vol. illus. 23 cm. At head of title: U.S. Department of Agriculture. Division of Entomology. No more published. Vols. I-IV, monthly; vols. V-VII, irregular, 5 Nos. a year. Editors: vol. I, the Entomologist (C.V. Riley) and his assistants: vol. II-VI, C.V. Riley and L.O. Howard: vol. VII, L.O. Howard. General index to the seven volumes of **Insect Life**. 1888-95. Washington. Govt. Print. Off., 1897. 145 p. 23 cm.
- 431.5
R45I Riley, Charles Valentine, 1843-95.
Insectes nuisibles a la vigne (le puceron de la vigne-*Phylloxera vitifoliae* Fitch.)... (Traduction de M. J. Lichtenstein.) Montpellier, 1871, pp. 341-351, 22 1/2 cm.
From Bulletin de la Societe centrale d'agriculture et

des comices agricoles du department de l'Herault.

57. annee.- Octobre, Novembre et Decembre 1870.

- 423 Riley, Charles Valentine, 1843-95.
R45 Insecticides and means of applying them to shade and forest trees...
Washington, Government Printing Office., 1880. p. 1., pp. 31-47,
illus. 23 cm. Author's edition

Extracted from the **Fifth Report of the U.S. Entomological Commission.**

- 423 Riley, Charles Valentine, 1843-95.
R45Is The insectivorous habits of the English sparrow.
Washington, Government Printing Office, 1890. p. 1.,
pp. 111-133, 23 cm. Author's edition.

Extracted from **Bulletin No. 1, Division of Economic Ornithology and Mammalogy, United States Department of Agriculture**, entitled "The English Sparrow in America".

- 407 Riley, Charles Valentine, 1843-95.
In8 International polar expedition. Report... 1885.
CONTENTS- pt. I. Orders and instructions-pt. II. Narrative,
by Lieut P.H. Ray-pt. III. Ethnographic sketch of the natives
of Point Barrow, by Lieut. P.H. Ray: 1. Sketch.
2. Approximate census of Eskimos at the Cape Smythe
Village. 3. Vocabulary collected among the Eskimos of Point
Barrow and Cape Smythe. 4. Catalogue of ethnological
specimens collected by the Point Barrow Expedition,
prepared by John Murdoch—pt. IV. Natural history, by John
Murdoch: 1. Mammals. 2. Birds. 3. Fishes. 4. Insects by
C.V. Riley. 5. Marine invertebrates. (Exclusive of mollusks).
6. Report on the mollusks, by W.H. Dall. 7. Collecting
localities and dredging stations. 8. Plants, by Prof. Asa Gray.
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Terrestrial magnetism by C.A. Schott, U.S. Coast and
Geodetic Survey-pt. VII. Tides—pt. VIII. Miscellaneous
observations.

- 431.5 Riley, Charles Valentine, 1843-95.
R45 Insects injurious to the grapevine. The grape *Phylloxera* -
Phylloxera vastatrix Planchon. Jefferson City, 1874. pp. 30-
87, illus. 23 cm.

From the **Sixth annual report on the noxious, beneficial and other insects, of the State of Missouri.**

1 Riley, Charles Valentine, 1843-95.
En8 Insects injurious to the blackberry. 22 p. 8 figs.
no.5 (U.S. Entomological Commission. Report 5, pp. 601-622).

500 Riley, Charles Valentine, 1843-95.
Sm65P Jumping seeds and galls. By Charles V. Riley.
v.5

(In U.S. National Museum. Proceedings. Washington. 1883.
23 cm. vol. 5. 1882. pp. 632-635. illus.) Issued May 22, 1883.

423 Riley, Charles Valentine, 1843-95.
P15K The kerosene emulsion: its origin, nature, and increasing
usefulness... Syracuse, 1892.) (83)-98 p. 23 cm.

Printed from the **Proceedings of the Washington Meeting of
the Society for the Promotion of Agricultural Science**, held at
Washington, August 17, 1891.

428 Riley, Charles Valentine, 1843-95.
R45 Larval stages and habits of the beefly *Hirmoneura*.
Cambridge, Mass., 1883, 2 p. illus. 20 cm.

From **Science**, vol. 1, pp. 332-334.

430 Riley, Charles Valentine, 1843-95.
Sm6L List of the Lepidoptera of Boreal America, by John B.
Smith... assisted by Henry Skinner, M.D. Geo. D. Hulst, Ph.D.,
C.H. Fernald, Ph.D. C.V. Riley, Ph.D. Philadelphia: American
Entomological Society, 1891.

430 Riley, Charles Valentine, 1843-95.
R45 List of the Tineina of boreal America. Philadelphia 1891.
pp. 94-114. 2 p. 22 1/2 cm.

Extracted from the **List of the Lepidoptera of Boreal America**,
by John B. Smith.

411 Riley, Charles Valentine, 1843-95.
R Little-known facts about well-known animals. 1882. 32 p.
illus. 24 cm. At head of title: Saturday lecture No. 5.

429 Riley, Charles Valentine, 1843-95.
R45 Locust flights east of the Mississippi. Topeka, 1877,
pp. 62-64, 22 1/2 cm.

From the **Transactions of the Kansas Academy of Science**,
vol. 5.

- 429 Riley, Charles Valentine, 1843-95.
R45Lo The locust plague; How to avert it... Salem, 1876. , pp. 215-
222, 24 cm.

From the **Proceedings of the American Association for the
Advancement of Science**, Detroit meeting, Aug. 1875.

- 429 Riley, Charles Valentine, 1843-95.
R45Loc The locust plague in the United States: being more
particularly a treatise on the Rocky Mountain locust or so-
called grasshopper, as it occurs east of the Rocky
Mountains, with practical recommendations for its
destruction. By Charles V. Riley... With 45 illustrations.
Chicago, Rand, McNally & Co., 1877. 236 p. illus., maps,
20 1/2 cm. Each map preceded by leaf with descriptive
letterpress.

- 429 Riley, Charles Valentine, 1843-95.
R45L Locusts as food for man...Salem, 1876, pp. 200-214, 24 cm.

From the **Proceedings of the American Association for the
Advancement of Science**, Detroit meeting, Aug. 1875.

- 422 Riley, Charles Valentine, 1843-95.
R45 Longevity in insects. Washington, D.C. , 1895.

From **Proc. Ent. Soc. Washington vol. 3, No. 2**, pp. 108-125,
1895. Annual address of the president.

- 1 Riley, Charles Valentine, 1843-95.
En82B The mulberry silkworm; being a manual of instructions in
silk-culture. By C.V. Riley. 6th, rev. ed. Washington, Govt.
Print. Off., 1886. VII, 65 p. illus., no. 9, II col. pl. 23 cm.

(**U.S. Dept. of Agriculture. Division of Entomology. Bulletin
No. 9, 6th ed.**) First five editions were published as **Special
report No. 11 of the U.S. Dept. of Agriculture**, under the title:
The silkworm.

1 Riley, Charles Valentine, 1843-95.
En82B The mulberry silkworm; being a manual of instructions in
silk culture. By C.V. Riley... 7th, rev. ed. Washington, Govt.
Print. Off., 1888. VII, 65 p. illus., II col. pl. 23 cm.

**(U.S. Dept. of Agriculture. Division of Entomology. Bulletin
No. 9) First five editions were published as Special report no. 11
of the U.S. Dept. of Agriculture, under the title: The
silkworm.**

430 Riley, Charles Valentine, 1843-95.
R45 Natural History of the cotton worm, Columbia, 1885. 4 p. ,
22 1/2 cm. (**Special bulletin. Department of Agriculture,**
Columbia, S.C., July 30, 1885).

430 Riley, Charles Valentine, 1843-95.
R45N A new herbarium pest... Chicago, 1891. PP. 334-337, illus.,
24 cm.

From **The Botanical Gazette**, Dec. 1891.

2 Riley, Charles Valentine, 1843-95.
R45Re New insects injurious to agriculture. (Abstract)
pp. 3-4.

From the **Proceedings of the American Association for the
Advancement of Science**, vol. 30, Cincinnati meeting, Aug. 1881.
With his: Retarded development in insects. Abstract.

426 Riley, Charles Valentine, 1843-95.
R45N A new oak-gall on acorn cups...St. Louis. 1877. pp. 577-578,
24 cm.

500
Sa2T From the **Transactions of the St. Louis Academy of Science**,
v.3 vol. III, Dec. 20, 1877.

1 Riley, Charles Valentine, 1843-95.
En82B Notes on *Icerya*-its probable origin the islands of
no.15 Bourbon and Mauritius.

**(In U.S. Dept. of Agriculture. Division of Entomology.
Bulletin No. 15, pp. 27-33. 23 cm. Washington, 1887)**

- 426 Riley, Charles Valentine, 1843-95.
R45No Notes on joint worms...(Rochester) 1845. 1 p. illus. 39 cm.
- R.88 From the **Rural New Yorker** of June 20, 1885, 6 vol. 44, p. 418
v.44
- 426 Riley, Charles Valentine, 1843-95.
R45No Notes on North American microgasters, with descriptions
of new species. St. Louis. 1881. 20 p. illus. 22 cm.
- 500 From: **Acad. Sci. St. Louis, Trans.**, vol. 4. No. 2.
Sa2T
v.4
- 431 Riley, Charles Valentine, 1843-95.
R45N Notes on the Aphididae of the United States, with
descriptions of species occurring west of the Mississippi,
by Chas. V. Riley and J. Monell... Washington, 1879. 32 p.
21. II pl. 23 cm. Author's edition. At head of title:
Department of the Interior. United States Geological and
Geographical Survey... Extracted from the Bulletin of the
Survey, vol. V, No. 1. Contents: Pt. I, Biological notes on
the Pemphigidae, with descriptions of new species-C.V.
Riley.- Pt. II, Notes on Aphididae, with descriptions of new
species-J. Monell.
- 431.5 Riley, Charles Valentine, 1843-95.
R45N Notes on the natural history of the grape phylloxera
(*Phylloxera vastatrix*, Planchon)... St. Louis, 1878, pp. 281-
287, illus. 23 cm.
- From the **Transactions of the Academy of Science of St.
Louis**, vol. III, 1868-77.
- 430 Riley, Charles Valentine, 1843-95.
R45No Notes on the Yucca borer (*Megathymus yuccae*)... St. Louis,
1876. 23 p. illus. 22 1/2 cm.
- From the **Transactions of the Academy of Science of St.
Louis**, vol. III, Jan. 1876.

430 Riley, Charles Valentine, 1843-95.
R450 On a new genus in the lepidopterous family Tineidae, with
remarks on the fertilization of *Yucca*... St. Louis, 1873,
pp. 55-64 p. illus. 25 cm.

From the **Transactions of the St. Louis Academy of Science**,
vol. III.

422 Riley, Charles Valentine, 1843-95.
R45B On an extensile penetrating organ in a gamasid mite...
(Salem, 1877) pp. 273-275, illus. 24 cm.

From **Proceedings of the American Association for the
Advancement of Science** 25th meeting, 1876.

427 Riley, Charles Valentine, 1843-95.
R On *Icerya purchasi*, an insect injurious to fruit trees.
London. 1887, 1 p. 21 1/2 cm.

From: **The British Association for the Advancement of
Science. Report.** 1887. p. 767:

472 also: **Nature**, vol. 36, p. 592, 1887.
N21

442 Riley, Charles Valentine, 1843-95.
R45 On the causes of variation in organic forms. Address
also by C.V. Riley...before the section of biology, American
500 Association for the Advancement of Science, at the
Am34 Cleveland meeting, Aug. 1888... Salem, Mass., The
v.37 Salem Press, 1888. 51 p. 24 1/2 cm.

From the **Proceedings of the American Association for the
Advancement of Science**, vol. XXXVII.

422 Riley, Charles Valentine, 1843-95.
R45B On the curious egg mass of *Corydalia cornutus* (Linn.) and
on the eggs that have hitherto been referred to that
species... (Salem, 1877), pp. 275-279, illus. 24 cm.

From the **Proceedings of the American Association for the
Advancement of Science**, 25th meeting, 1876.

422 Riley, Charles Valentine, 1843-95.
R450 On the insects more particularly associated with *Sarracenia
vaniclaris* (spotted trumpet leaf)... (Salem, 1874) pp. 18-
25, illus. 23 1/2 cm.

From the **Proceedings of the American Association for the
Advancement of Science**, Hartford meeting, Aug. 1874.

427 Riley, Charles Valentine, 1843-95.
R On the larval characters and habits of the blister-beetles
belonging to the genera *Macrobasis Lec.* and *Epicauta*
500 Fabr. with remarks on other species of the family
Sa2T Meloidae. 19 p. illus. 23 1/2 cm.
v. 3

From: **St. Louis Academy of Science Transactions**. vol. 3.
pp. 544-562, 1878. With this is On a remarkable new genus in
Meloidae... and other articles.

427 Riley, Charles Valentine, 1843-95.
R450 On the luminous larvi-form females in the
Phengodini...(London) 1887, 2 p. , 21 1/2 cm.

Reprinted from the **Report of the British Association for the
Advancement of Science**, 1887.

431.6 Riley, Charles Valentine, 1843-95.
R45 On the original habitat of *Icerya purchasi*. San Francisco,
1888. 1 p. , 40 1/2 cm.

From **The Pacific Rural Press**, May 12, 1888.

422 Riley, Charles Valentine, 1843-95.
R45Re On the oviposition of *Prodoxus decipiens* (abstract). p. 3.

From the **Proceedings of the American Association for the
Advancement of Science**, vol. 30, Cincinnati meeting, Aug. 1881.
With his: Retarded development in insects (abstracts).

422 Riley, Charles Valentine, 1843-95.
R45Ot On the oviposition of the *Yucca* moth ...(Salem, 1873) 4 p. ,
24 cm.

From the **American Naturalist**, vol. VII, Oct. 1873.

- 500 Riley, Charles Valentine, 1843-95.
Sm65P On the parasites of the Hessian fly. By C.V. Riley,
v.8 Ph.D. (In **U.S. National Museum. Proceedings.** Washington,
1886. 23 1/2 cm, vol. 8. 1885, pp. 413-422.
also pl. XXIII). Issued Oct. 3, 1885.
R
426
- 431 Abstract in: **Proceedings of the American Association for the
R Advancement of Science**, vol. 34, pp. 332-334, 1885.
With his: The song-notes of the periodical cicada (abstract).
- 430 Riley, Charles Valentine, 1843-95.
R45On On the summer dormancy of the larva of *Phyciodes nycteis*
(Doubleday) with remarks on the natural history of the
species... Salem, 1875, pp. 108-112, 24 cm.
- From the **Proceedings of the American Association for the
Advancement of Science**, Hartford meeting, Aug. 1874.
- 1 Riley, Charles Valentine, 1843-95.
En82B Our shade trees and their insect defoliators. Being a
consideration of the four most injurious species which
affect the trees of the capital; with means of destroying
them. By C.V. Riley... Washington, Govt. Print. Off., 1887.
69 p. illus. 23 cm. (**U.S. Dept of Agriculture Division of
Entomology. Bulletin No. 10**)— Washington, Govt. Print.
Off., 1888, 75 p. , 23 cm. (U.S. Dept. of Agriculture. Division
of Entomology. Bulletin No. 10, 2d. rev. ed.)
- 428 Riley, Charles Valentine, 1843-95.
R450 The Ox bot in the United States ... Washington, 1892. 16 p.
illus. 23 cm. Reprinted from **Insect Life**, vol. IV, Nos. 9
and 10, June 1892, by authority of the Secretary of
Agriculture. At head of title: U.S. Department of
Agriculture, Division of Entomology.
- 423 Riley, Charles Valentine, 1843-95.
R45Pa Parasitic and predacious insects ... (New York, 1891)
pp. 678-685, 23 1/2 cm.
- From the **Popular Science Monthly**, vol. XLX, No. 5.

- 423 Riley, Charles Valentine, 1843-95.
R45Pa Parasitic and predaceous insects in applied entomology.
1893.
- Reprinted from **Insect Life**, vol. 6, No. 2, pp. 130-141, 1893. Read at 5th Ann. Meeting of the Assoc. Economic Entomologists, Madison, Wisc., Aug.15, 1893.
- 422 Riley, Charles Valentine, 1843-95.
R Parasitism in insects. Annual Address of the President (Washington Entomological Society). 35 p. , 25 cm.
- From the **Proceedings of the Entomological Society** Washington, D.C. vol. 2, No. 4, 1893.
- 1 Riley, Charles Valentine, 1843-95.
En82B The periodical cicada. An account of *Cicada*
no.8 *septendecim* and its tredicim race, with a chronology of all broods known. By Charles V. Riley, Ph.D. Washington, Govt. Print. Off., 1885. 46 p. illus. , 23 cm. (U.S. Dept. of Agriculture. Division of Entomology. Bulletin No. 8) Published June 17, 1885.
- 1 Riley, Charles Valentine, 1843-95.
En82B The periodical cicada. An account of *Cicada septendecim*
no. 8 and its tredicin race, with a chronology of all broods known. By Charles V. Riley, Ph.D. Washington, 2d ed. Govt. Print. Off., 1885. 46 p. illus. , 23 cm. (U.S. Dept. of Agriculture. Division of Entomology. Bulletin No. 8, 2d ed.) Published July 13, 1885.
- 430 Riley, Charles Valentine, 1843-95.
R45Pp Philosophy of the pupation of butterflies and particularly of the Nymphalida. By Charles V. Riley... Salem, Mass., Salem Press, 1880, 9 p. illus. , 24 cm. Caption title.
- From the **Proceedings of the American Association for the Advancement of Science**, vol. XXVIII, Saratoga meeting, Aug. 1870.
- 422 Riley, Charles Valentine, 1843-95.
R45P Poisonous insects by Charles V. Riley ... New York, W. Wood & Company, 1887. 1 pl., pp. 741-760, illus. , 28 cm.
- Extracted from the **Reference Handbook of the Medical Sciences**. vol. V., 1887.

- 423 Riley, Charles Valentine, 1843-95.
R45P Potato pests. Being an illustrated account of the Colorado potato-beetle and the other insect foes of the potato in North America. With suggestions for their repression and methods for their destruction. By Charles V. Riley ... New York, Orange Judd Company, 1876. 108 p. incl. front (map) illus. , 19 1/2 cm.
- 431 Riley, Charles Valentine, 1843-95.
R45Pr Premature appearance of the periodical Cicada... Washington, 1885. 1 p. , 13 x 39 cm.

Reprint from the **Scientific American supplement**, vol. XX, No. 502.
- 431 Riley, Charles Valentine, 1843-95.
R45P Problem of the hop-plant louse (*Phorodon humull*, Schrank) in Europe and America... London, 1887. 3 p. , 21 1/2 cm.

Reprinted from the **Report of the British Association**, 1887.
- 431 Riley, Charles Valentine, 1843-95.
R45 Prof. Riley's report to the governor of Kansas - The grasshopper question-Interesting information... Topeka, 1877, 2 1/2 col. Clipping from the **Weekly Commonwealth** of May 12, 1877.
- 423 Riley, Charles Valentine, 1843-95.
R45PY Pyrethrum, an important insecticide. n. p. 1883. pp. 41-42, 23 cm.

From the **Western Farmer's Almanac**, 1883, pp. 41-42.
- 1 Riley, Charles Valentine, 1843-95.
Ag84 Pyrethrum: its use as an insecticide.

(In **U.S. Dept. of Agriculture. Report**, 1881-82, pp. 76-87. 2 col. pl. , 23 cm. Washington, 1882).
- 23 Riley, Charles Valentine, 1843-95.
R45Re Recent advances in economic entomology, Washington, 1884. pp. 10-12, 23 1/2 cm.

From the **Bulletin of the Philosophical Society of Washington**, vol. 5 (1886).

- 430 Riley, Charles Valentine, 1843-95.
R45Rc Remarks on canker-worms and description of a new
genus of Phalanida. By Chas. V. Riley...

(In **Academy of Science of St. Louis. Transactions.** St. Louis,
1878, 24 cm, vol. 3, pp. 273-280)
- 430 Riley, Charles Valentine, 1843-95.
R45R Remarks on the bag-worm - *Thyridoptery
ephemeraeformis*... Washington, 1884. pp. 80-83. illus. ,
23 cm.

**From the Proceedings of the Biological Society of
Washington**, vol. II, 1882-84, Extras printed Apr. 10, 1884.
- 423 Riley, Charles Valentine, 1843-95.
R45R Remarks on the insect defoliators of our shade trees.
Made by Dr. C.V. Riley...before the New York farmers, at
a meeting held Mar. 10, 1887, and reported by James W.
Tooley, New York, Globe Stationery & Printing Co., 1887,
cover-title, 12 p. , 27 1/2 cm.
- 1 Riley, Charles Valentine, 1843-95.
B52N The Death Valley expedition... 1893.
(Card 2) CONTENTS—1. Report on birds, by A.K. Fisher-2.
Report on reptiles and batrachans, by Leonhard
Stejneger-3. Report on fishes by Charles H. Gilbert-4.
Report on insects, by C.V. Riley-5. Report on mollusks, by
R.E.C. Stearns-6. Report on desert trees and shrubs, by
C.Hart Merriam-7. Report on desert cactuses by C. Hart
Merriam-8. List of localities By T.S. Palmer.
- 422 Riley, Charles Valentine, 1843-95.
R45R Report on the Department of Insects in the U.S. National Museum,
Washington, 1891. pp. 377-380, 24 cm.

From the Report of the National Museum, 1888-89, pp. 377-380.
- 426 Riley, Charles Valentine, 1843-95.
R45 Report upon the parasitic Hymenoptera of the Island of
St. Vincent. By C.V. Riley, William H. Ashmead and L.O.
Howard. (London) 1894. pp. 54-56, 22 cm.

Extracted from the **Linnean Society's Journal-Zoology**,
vol. XXV.

422 Riley, Charles Valentine, 1843-95.
R45Re Retarded development in insects; on the oviposition of
Prodoxus decipiens, new insects injurious to agriculture.
(Salem, 1882) 4 p. , 25 cm.

From the **Proceedings of the American Association for the
Advancement of Science**, vol. XXX, Cincinnati meeting, Aug.
1881, pp. 270-273.

429 Riley, Charles Valentine, 1843-95.
R45Rp The Rocky Mountain locust. Permanent courses for the
government to adopt to lessen or avert locust injury.
Washington, 1880. p. 1., pp. 271-322, 6 col. folded maps,
23 1/2 cm.
Author's edition, extracted from the **Second Report of the
United States Entomological Commission**.

429 Riley, Charles Valentine, 1843-95.
R45R The Rocky Mountain locust in Kansas, in 1877. Topeka,
1877. pp. 21-42, illus. , 23 cm.

From the **Monthly Report of the Kansas State Board of
Agriculture for August, September, and October 1877**.
Circular 21. Report of Prof. Riley's assistants in Kansas and
synopsis of his remarks before the National Agricultural Congress
at Chicago in Sept. 1876.

422 Riley, Charles Valentine, 1843-95.
L49Ry Le Conte, J.L. Rules (for entomological nomenclature) to
be submitted to the entomological club of the American
Association for the Advancement of Science (ordered
printed by resolution at the Annual meeting for 1876).
5 p. , 26 cm. Report signed by J.L. Le Conte, Wm.
Saunders, and C.V. Riley.

1 Riley, Charles Valentine, 1843-95.
En82B The scale-insects of the orange in California, and
no. 15 particularly the *Icerya* or fluted scale, alias white scale,
alias cottony cushion scale, etc.

(In **U.S. Dept. of Agriculture, Division of Entomology**.
Bulletin no. 15, pp. 5-26, 23 cm. , Washington, 1887). Address...
before the California State Board of Horticulture... Apr. 12, 1887, as
reported in the **Pacific Rural Press** - Apr. 23, 1887, p. 9.

- 500 Riley, Charles Valentine, 1843-95.
Sm65P Scientific results of the U. S. eclipse expedition to West
v.16 Africa, 1889-90. Report upon the Insecta, Arachnida,
and Myriopoda, By C.V. Riley.
- 422.7 (In **U.S. National Museum. Proceedings.** Washington, 1894,
R45S 23 1/2 cm. , vol. 15, 1893, also pp. 565-590. pl. IXX). Issued
Oct. 23, 1893.
- 1 Riley, Charles Valentine, 1843-95.
En8 U.S. Entomological Commission... Second report... for the
v.2 years 1878 and 1879; relating to the Rocky Mountain
locust, and the western cricket and treating of the
also best means of subduing the locust in its permanent
423 breeding grounds, with a view of preventing its migra-
Un3 tions into the more fertile portions of the trans-Mis-
v.2 sissippi country, Washington, Govt. Print. Off., 1880.
XVIII, 322, 80 p. Incl. tables, XVII pl., 9 fold. maps 23
cm. At head of title: Department of the Interior.
Appendix II-IV, papers by S.H. Scudder, John Marten,
8 p. Commissioners: C.V. Riley, A.S. Packard, Jr., Cyrus
Thomas.
- 1 Riley, Charles Valentine, 1843-95.
Ag84Sp The silkworm; being a manual of instructions for the no.11
production of silk. 31 pp. , 8 figs. (**U.S. Dept. of
Agriculture, Dept. of Special report No. 11**) Wash. 1879.
Passed through five editions bearing this number. The
6th and 7th editions were published as Bulletin No. 9, old
series, of the Division of Entomology under the title "The
mulberry silkworm".
- 422 Riley, Charles Valentine, 1843-95.
R45Si Social insects from psychical and evolutionary points of
view. Annual address of the President of the Society,
delivered in the hall of the Columbian University,
January 29, 1894. Washington, D.C., 1894. Cover-title,
74 p. , illus. , 24 1/2 cm.
- From the **Proceedings of the Biological Society of
Washington**, vol. IX.

431 Riley, Charles Valentine, 1843-95.
R45S Some important discoveries in the life-history of the hop
plant-louse (*Phorodon humuli* Schrank)... Geneva, N.Y.,
1887, pp. 205-207, 24 1/2 cm.

From **Agricultural Science**, vol. I, No. 9, Sept. 1887.

422 Riley, Charles Valentine, 1843-95.
R45So Some interrelations of plants and insects... Washington,
D.C. 1892. Cover-title, pp. 31-104, illus. , 25 cm.

From **Proceedings of the Biological Society of Washington**,
vol. VII.

430 Riley, Charles Valentine, 1843-95.
R45F Some recent practical results of the cotton worm inquiry
by the U.S. Entomological Commission... Salem, 1881,
pp. 26-33, 25 cm.

From the **Proceedings of the American Association for the
Advancement of Science**, vol. XXIX, Boston meeting, Aug. 1881.

120 Riley, Charles Valentine, 1843-95.
Sh2 Speech of Professor C.V. Riley at the second trustees
banquet. St. Louis, 1892, cover-title, pp. 50-53,
22 1/2 cm.

Reprinted from **3rd Report on the Missouri Botanical Garden.
Tribute to Henry Shaw.**

423 Riley, Charles Valentine, 1843-95.
R45Sp Sur l'importation artificielle, des parasites et ennemis
naturels des insectes nuisibles aux végétaux... Paris,
1869, 4 p. , 23 1/2 cm.

Extrait du **Compte-rendu des Seances du Congrès
International de Zoologie, Paris 1889**, pp. 323-326.

- 1
En8
v.3 Riley, Charles Valentine, 1843-95.
U.S. Entomological Commission. Third report...
relating to the Rocky Mountain locust, the western
cricket, the army worm, canker worms, and the Hessian
fly. Washington, Govt. Print. Off., 1883. XIV, 347, 12,
92 p. LXIV pl. IV. maps, 23 cm. At head of title: U.S.
Department of Agriculture. Commissioners: C.V. Riley,
A.S. Packard, Jr. Cyrus Thomas. Appendix II-V, VII-IX,
papers by Loew, B. Wagner, F. Cohn, F.P. Koppen, A.
Hagen, John Marten, A.J. Chapman, M.A. Howell. Also
issued as House Bull. Doc. 44, 47th Cong. , 2d., Serial No.
2154.
- 431.5 Riley, Charles Valentine, 1843-95.
R45U Ueber dem Weinstock schadlicher Insekten. Die
rebenphylloxera. *Phylloxera vastatrix* Planchon.
(Unterordnung Homoptera, familie Aphididae.) Von C.V.
Riley. Vom Verfasser autorisierte Uebertragung...
Heidelberg, C. Winter's Universitatsbuchhandlung, 1878.
77 p. , 2 fold. pl. , 23 1/2 cm. Im Sufrage des Dr. Ad.
Blankenborn fur die "Annalen der Oenologie" Vebersetzt
durch Herrn Dr. Fr. Roder...
- 423 Riley, Charles Valentine, 1843-95.
V51 The Vedalia, Importation of *Icerya* enemies from Australia...
By C.V. Riley and others, n. p., pp. 1889-91, 67, 24 cm.
Typewritten copy. Originally printed in the **Pacific Rural
Press, pp. 1889-91.**
- 157.5 Riley, Charles Valentine, 1843-95.
B87 Water-beetles destroying carp. By C.V. Riley. (In Bulletin
of the United States Fish Commission for 1885, Washington,
1885, 22 1/2 cm. , vol. V, p. 311).
- 422 Riley, Charles Valentine, 1843-95.
R45 What the Department of Agriculture has done and can do
for apiculture... Chicago, 1893, 6 p. , 12 1/2 cm.
- Extract from the Proceedings of the twenty-third
annual meeting of the North American Bee-keepers'
Association held at Washington, D.C., December 27, 28,
and 29, 1892.**

- 430 Riley, Charles Valentine, 1843-95.
R45Y The *Yucca* moth and *Yucca* pollination... St. Louis, 1892, pp. 99-158, 34-43 pl. , 23 cm.
- From the **Third Annual Report of the Missouri Botanical Garden**, issued May 28, 1892.
- 120 Riley, Charles Valentine, 1843-95.
R45Ma Goode, C.R. A memorial appreciation of Charles Valentine Riley... New York, 1896. 8 p. , 23 1/2 cm.
- Reprinted from **Science**, no. 5, vol. III, No. 59, Febr. 14, 1896.
- 120 Riley, Charles Valentine, 1843-95.
R45H Howard, Leland Ossian, 1857- Charles Valentine Riley, 1843-95. **Bulletin Philosophical Society of Washington**, vol. 13, pp. 412-416.
- 423 Riley, Charles Valentine, 1843-95.
L61 Lichtenstein, Jules i.e., Wilhelm Auguste Jules. Riley et L'entomologie agraire aux Etats-Unis. Montpellier, 1875, 5 p. , 24 cm.
- 240.2 Riley, Charles Valentine, 1843-95.
R45 Bibliography. The principal writings of Dr. Charles Valentine Riley... n. p., 1893, 9 p. , 22 1/2 cm.
- 1 Riley, Charles Valentine, 1843-95.
En83B Bibliography. U.S. Bureau of Entomology. Bibliography of the more important contributions to American Economic Entomology... Washington, Govt. Print. Off., 1889-1905. Vol. 8, 23 cm. At head of title, pt. I-VII: U.S. Department of Agriculture. Division of Entomology; pt. VIII: U.S. Department of Agriculture. Bureau of Entomology. Continued by **Index to the Literature of American Economic Entomology**, issued by American Association of Economic Entomologists.
- also
241.7
In2
1889-
1905
CONTENTS: Pt. I-III: The more important writings of Benjamin Dann Walsh and Charles Valentine Riley. By Samuel Henshaw, 1889-90. Pt. IV-V: The more important writings of Government and state entomologists and other contributors to the literature of American Economic Entomology. By Samuel Henshaw, 1895-96.

ADDENDUM TO APPENDIX I.

ADDITIONAL RECORDS OF CHARLES VALENTINE RILEY IN OTHER COLLECTIONS.

CANADA

Institution:

NATIONAL ARCHIVES OF CANADA
330 - Sussex Drive
Ottawa, Canada

Collection:	No. of Letters:	Description:
James Fletcher Letters	43	JF to CVR 1885-1893

GREAT BRITAIN

Institution:

BRITISH MUSEUM OF NATURAL HISTORY
Entomology Librarian
Cromwell Road
London SW75 5BD
England

Collection:	No. of Letters:	Description:
Dr. H. T. Stainton Correspondence	13	CVR to/from HTS 1868-1877

UNITED STATES

Institution:

THE ACADEMY OF NATURAL SCIENCES
Manuscripts/Archives Librarian
19th & The Parkway
Logan Square
Philadelphia, Pennsylvania 19103

Collection:	No. of Letters:	Description:
Philip P. Calvert Letters	15	CVR to/from PPC 1890-1895
Dr. J. L. LeConte	37	CVR to JLL 1873-1881
E. T. Cresson Letters	23	CVR to ETC 1871-1892
Dr. Joseph E. Leidy Letters	15	CVR to JEL 1869-1879
Miscellaneous Letters	4	CVR to G. H. Horn, CVR to Skinner, CVR to Friends 1889-1894

Institution:

AMERICAN PHILOSOPHICAL SOCIETY
LIBRARY
Manuscripts Librarian
105 - South Fifth Street
Philadelphia, Pennsylvania 19106-3386

Collection:	No. of Letters:	Description:
Dr. Jacob Stauffer	7	CVR to JS 1868-1871
Thomas Meehan	1	to Thomas Meehan from CVR 1868
Pres. R. B. Hayes	1	to R.B.Hayes from CVR 1877
Dr. Horn On CVR's death	1	to Dr. Horn from L.O. Howard 1895
W. P. Cutter, Librarian CVR's proceedings donated to USDA Library	1	The Secretaries from W.P. Cutter, Librarian 1895
Walsh/Darwin Walsh tells Darwin of his new partner CVR	1	B.D. Walsh to Charles Darwin 1868

Institution:

BANCROFT LIBRARY
Manuscripts Division
University of California - Berkeley
Berkeley, California 94720

Collection:	No. of Letters:	Description:
Professor E. W. Hilgard Letters	25	CVR to EWH

Institution:

BOSTON SOCIETY OF NATURAL HISTORY
Hayden Museum of Science Library
Boston, Massachusetts 02114

Collection:	No. of Letters:	Description:
Samuel H. Scudder Letters	74	CVR to/from SHS 1868-1894
Sanborn Letters	1	to Sanborn from CVR

Institution:

CALIFORNIA ACADEMY OF SCIENCES
Department of Entomology
Golden Gate Park
San Francisco, California 94118

Collection:	No. of Letters:	Description:
Albert Koebele	135	CVR to AK 1881-1893

Institution:

CORNELL UNIVERSITY LIBRARIES
Dept. of Archives & Manuscripts
Ithaca, New York 14853

Collection:	No. of Letters:	Description:
John H. Comstock Letters	23	CVR to/from JHC 1878-1893
Professor William Trelease Papers	36	CVR to/from WT 1883-1894
Prof. Wilder	1	To Prof. Wilder from CVR 1872
A. D. White	1	To A, D. White from CVR 1873

Institution:

MUSEUM OF COMPARATIVE ZOOLOGY
Special Collections Librarian
The Agassiz Museum
Harvard University
Cambridge, Massachusetts 02138

Collection:	No. of Letters:	Description:
William H. Edwards Letters	3	To/from CVR incl drawings and specimens 1873-1876
Dr. Herman A. Hagen Letters	45	CVR to HAH 1869-1889

MUSEUM OF COMPARATIVE ZOOLOGY-HARVARD (CONTINUED)

Samuel Henshaw Letters	27	CVR to SH 1885-1894
Baron Osten Sacken Letters	18	CVR to OS 1868-1875
Alpheus Spring Packard Letters	43	CVR to ASP 1878-1889
William B. Rogers	1	CVR to WBR 1881
Samuel Hubbard Scudder	1	SHS to CVR 1881
Phillip Reese Uhler Letters An entomologist who also did oil painting of C.V. Riley	62	CVR to PRU 1867-1892

Institution:

KANSAS STATE HISTORICAL SOCIETY
Dept. of Archives
120 - West Tenth Street
Topeka, Kansas 66612

Collection:	No. of Letters:	Description:
Governor Thomas Osborn Letters	1	To Ward Burlingame from CVR 1875

Institution:

UNIVERSITY OF MISSOURI WESTERN HISTORICAL MANUSCRIPT
COLLECTION - COLUMBIA AND STATE HISTORICAL SOCIETY OF MIS-
SOURI JOINT COLLECTION

Manuscripts

Columbia, Missouri 65211

Collection:

No. of Letters:

Description:

E. P. Meiner's Papers

22

CVR to EPM and
others eg.
Bassett,
Thompson,
Stoddart,
Van Duzee
1874-1894

Institution:

UNIVERSITY OF NEBRASKA ARCHIVES

308 - Love Library

University of Nebraska

Lincoln, Nebraska 68588

Collection:

No. of Letters:

Description:

Charles Bessey Collection
A botanist who knew
J. Sterling Morton

ca. 25

To/from CVR
1871-1894

NATIONAL AGRICULTURAL LIBRARY

1022275594



31.— *Vedalia cardinalis*: a, larva, dorsal view
(orig)

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25. 7. 1911