



CIRCULAR NO. 76, REVISED TO FEBRUARY 1, 1910.

Issued February 16, 1910.

**United States Department of Agriculture,  
BUREAU OF ENTOMOLOGY.**

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**LIST OF PUBLICATIONS OF THE BUREAU OF  
ENTOMOLOGY.**

Compiled by MABEL COLCORD, *Librarian.*

There has been a demand from librarians, members of this Bureau, and others interested in entomology for a complete list of the publications of the Bureau and of those of the Department of Agriculture in general bearing on the subject and published by members of the Bureau or under its auspices. To supply this demand the following list has been compiled.

Applications for the priced publications mentioned in this list should be addressed to the Superintendent of Documents, Government Printing Office, Washington, D. C. All remittances should be made payable to him and not to the Department of Agriculture, and should be sent by postal money order or New York exchange. Currency may be sent at sender's risk, but postage stamps, foreign money, and uncertified checks will not be accepted.

The Farmers' Bulletins, circulars, separates, and popular summaries are sent free, on application to the Secretary of Agriculture; but applications from residents of foreign countries, to whom the price of these is 6 cents each, including postage, should be made to the Superintendent of Documents, Government Printing Office, Washington, D. C. No charge is made for postage on documents forwarded to points in the United States, Guam, Hawaii, Philippine Islands, or Porto Rico, nor to Canada, Cuba, or Mexico. To other countries the regular rate of postage is charged, and remittances must cover such postage.

Where scientific names of species are given in brackets these do not occur in the titles of the publications, but are inserted for the convenience of those not familiar with the common names.

## ANNUAL REPORTS.

[The Division of Entomology was established in 1863 by the appointment of Townend Glover as Entomologist. The annual reports of the Entomologist are bound with those of the Secretary of Agriculture, and for some years have also been issued in independent form, known as author's editions.

Previous to the establishment of the division, articles of entomological interest appeared in the agricultural reports of the Patent Office. These articles are indexed in "The General Index of the Agricultural Reports of the Patent Office for 1837-1861, and of the Department of Agriculture for 1862-1876." <sup>a</sup>]

Report of the Entomologist for 1863. By Townend Glover. (In Annual Report Commissioner of Agriculture for 1863. pp. 561-579.) Price 60 cents. Postage 21 cents.

Report of the Entomologist for 1864. By Townend Glover. (In Annual Report Commissioner of Agriculture for 1864. pp. 540-564.) Price 60 cents. Postage 19 cents.

Report of the Entomologist for 1865. By Townend Glover. (In Annual Report Commissioner of Agriculture for 1865. pp. 33-45.) Price 60 cents. Postage 19 cents.

Report of the Entomologist for 1866. By Townend Glover. (In Annual Report Commissioner of Agriculture for 1866. pp. 27-45.) Price 60 cents. Postage 19 cents.

Report of the Entomologist for 1867. By Townend Glover. (In Annual Report Commissioner of Agriculture for 1867. pp. 58-76, figs. [16].) Price 60 cents. Postage 15 cents.

[Report of the Entomologist for 1868.] By Townend Glover. Title: The food and habits of beetles. (In Annual Report Commissioner of Agriculture for 1868. pp. 78-117, figs. [120].) Price 60 cents. Postage 17 cents.

Report of the Entomologist for 1869. By Townend Glover. (In Annual Report Commissioner of Agriculture for 1869. pp. 60-64.) Price 70 cents. Postage 19 cents.

Report of the Entomologist and Curator of the Museum for 1870. By Townend Glover. (In Annual Report Commissioner of Agriculture for 1870. pp. 65-91, figs. 60.) Price 65 cents. Postage 18 cents.

Report of the Entomologist and Curator of the Museum for 1871. By Townend Glover. (In Annual Report Commissioner of Agriculture for 1871. pp. 69-88, figs. 23.) Price 55 cents. Postage 14 cents.

Report of the Entomologist and Curator of the Museum for 1872. By Townend Glover. (In Annual Report Commissioner of Agriculture for 1872. pp. 112-138, figs. 26.) Out of print.

Report of the Entomologist and Curator of the Museum for 1873. By Townend Glover. (In Annual Report Commissioner of Agriculture for 1873. pp. 152-169, figs. 10.) Price 40 cents. Postage 13 cents.

Report of the Entomologist and Curator of the Museum for 1874. By Townend Glover. (In Annual Report Commissioner of Agriculture for 1874. pp. 122-146, figs. 20.) Out of print.

Report of the Entomologist for 1875. By Townend Glover. (In Annual Report Commissioner of Agriculture for 1875. pp. 114-140, figs. 63.) Price 60 cents. Postage 17 cents.

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<sup>a</sup>By the Commissioner of Agriculture. Washington: Government Printing Office. 1876. (Now out of print.)

- Report of the Entomologist and Curator of the Museum for 1876. By Townsend Glover. (In Annual Report Commissioner of Agriculture for 1876. pp. 17-46, figs. 59.) Price 40 cents. Postage 14 cents.
- Report of the Entomologist and Curator of the Museum for 1877. By Townsend Glover. (In Annual Report Commissioner of Agriculture for 1877. pp. 89-148, pls. 5.) Price 70 cents. Postage 18 cents.
- Report of the Entomologist, Charles V. Riley, August 22, 1879. pp. 52+[1], pls. 7. 1879. (Author's edition from the Annual Report of the Commissioner of Agriculture for the year 1878. pp. 207-257, pls. 7.) Out of print. Report of Commissioner for 1878. Price 70 cents. Postage 19 cents.
- Report of the Entomologist for 1879. By J. Henry Comstock. (In Annual Report Commissioner of Agriculture for 1879. pp. 185-348, pls. 16.) Price 90 cents. Postage 20 cents.
- Report of the Entomologist for 1880. By J. Henry Comstock. pp. iv+235-373+iv, pls. 24. 1881. (Author's edition from the Annual Report of the Commissioner of Agriculture for 1880.) Out of print. Report of Commissioner for 1880. Price \$1.20. Postage 27 cents.
- Report on insects for the year 1881. By J. Henry Comstock. 1882. pp. 22, pls. XIV-XX. (Author's edition from the Annual Report of the Department of Agriculture for the year 1881. pp. 195-214, pls. XIV-XX.) Out of print.
- Report of the Entomologist, Charles V. Riley, for the fiscal year ending June 30, 1882. pp. viii+167, pls. 20. 1882. (Author's edition from the Annual Report of the Department of Agriculture for the year 1881[-82]. pp. 61-214, pls. 20.) Out of print. Report of Commissioner for 1881 and 1882. Price \$1.30. Postage 29 cents.
- Report of the Entomologist, Charles V. Riley, for the year 1883. pp. v+99-180+5+[2], pls. 13. 1883. (Author's edition from the Annual Report of the Department of Agriculture for 1883.) Out of print. Report of Commissioner for 1883. Price 60 cents. Postage 17 cents.
- Report of the Entomologist, Charles V. Riley, for the year 1884. pp. vii+[1]+134+2+ix, pls. 10. 1885. (Author's edition from the Annual Report of the Department of Agriculture for the year 1884.) Out of print. Report of Commissioner for 1884. Price \$1. Postage 20 cents.
- Report of the Entomologist, Charles V. Riley, for the year 1885. pp. vii+1+137+vi+2, 2 l., pls. 9, 1 map. 1886. (Author's edition from the Annual Report of the Department of Agriculture for the year 1885.) Out of print. Report of Commissioner for 1885. Price 80 cents. Postage 20 cents.
- Report of the Entomologist, Charles V. Riley, for the year 1886. pp. v+459-592+ix, pls. 11. 1887. (Author's edition from the Annual Report of the Department of Agriculture for the year 1886.) Out of print. Report of Commissioner for 1886. Price \$1. Postage 23 cents.
- Report of the Entomologist, Charles V. Riley, for the year 1887. pp. vi+48-179+vi, pls. 8. 1888. (Author's edition from the Annual Report of the Department of Agriculture for the year 1887.) Out of print. Report of Commissioner for 1887. Price \$1.20. Postage 23 cents.
- Report of the Entomologist, Charles V. Riley, for the year 1888. pp. iv+53-144, pls. 12. 1889. (Author's edition from the Annual Report of the Department of Agriculture for the year 1888.) Out of print. Report of Commissioner for 1888. Price \$1. Postage 23 cents.
- Report of the Entomologist for the year 1889. [By C. V. Riley.] pp. iv+331-361+iii, pls. 6. [1889?] (Author's edition from the Annual Report of the Department of Agriculture for the year 1889.) Out of print. Report of Secretary for 1889. Price 80 cents. Postage 18 cents.

- Report of the Entomologist for 1890. By C. V. Riley. pp. 1+237-264, pls. 7. 1891. (From the Report of the Secretary of Agriculture for 1890.) Out of print. Report of Secretary for 1890. Price \$1. Postage 20 cents.
- Report of the Entomologist for 1891. By C. V. Riley. pp. i-iii+231-266+ii. 1892. (From the Report of the Secretary of Agriculture for 1891.) Out of print. Report of Secretary for 1891. Price \$1. Postage 22 cents.
- Report of the Entomologist for 1892. By C. V. Riley. pp. i-iii+153-180+ii, pls. 12. 1893. (From the Report of the Secretary of Agriculture for 1892.) Out of print. Report of Secretary for 1892. Price \$1. Postage 22 cents.
- Report of the Entomologist for 1893. By C. V. Riley. pp. i-iii+199-226+ii, pls. 4. (From the Report of the Secretary of Agriculture for 1893.) Out of print. Report of Secretary for 1893. Price 80 cents. Postage 19 cents.
- Report of the Entomologist for 1894. By L. O. Howard. (In Annual Report Secretary of Agriculture in Message and Documents, 1893-1894. pp. 157-159.) Out of print.
- Report of the Entomologist for 1895. By L. O. Howard. (In Annual Report Secretary of Agriculture in Message and Documents, 1895. pp. 153-157.) Out of print.
- Report of the Entomologist for the fiscal year ending June 30, 1896. By L. O. Howard. pp. i-iii+89-93. 1896. (From the Report of the Secretary of Agriculture in Message and Documents, 1896.) Out of print.
- Report of the Entomologist for 1897. By L. O. Howard. pp. i-ii+111-116. 1897. (From the Report of the Secretary of Agriculture [1897].) Out of print.
- Report of the Entomologist for 1898. By L. O. Howard. pp. i-iii+17-25. 1898. (From the Report of the Secretary of Agriculture [1898].) Out of print.
- Report of the Entomologist for 1899. By L. O. Howard. pp. i-iii+43-52. 1899. (From the Report of the Secretary of Agriculture [1899].) Out of print.
- Report of the Entomologist for 1900. By L. O. Howard. pp. i-ii+27-34. 1900. (From Annual Reports, Department of Agriculture [1900].) Out of print.
- Report of the Entomologist for 1901. By L. O. Howard. pp. i-ii+141-150. 1901. (From Annual Reports, Department of Agriculture [1901].) Out of print.
- Report of the Acting Entomologist for 1902. By C. L. Marlatt. pp. i-iii+189-207. (From Annual Reports, Department of Agriculture [1902].) Out of print.
- Report of the Entomologist for 1903. By L. O. Howard. pp. i-ii+227-243. (From Annual Reports, Department of Agriculture [1903].) Out of print.
- Report of the Entomologist for 1904. By L. O. Howard. pp. i-iii+271-289. (From Annual Reports, Department of Agriculture [1904].) Out of print.
- Report of the Entomologist for 1905. By L. O. Howard. pp. i-ii+273-302. (From Annual Reports, Department of Agriculture [1905].) Out of print.
- Report of the Entomologist for 1906. By L. O. Howard. pp. 36. (From Annual Reports, Department of Agriculture [1906].) Issued Dec. 22, 1906. Out of print.
- Report of the Entomologist for 1907. By L. O. Howard. pp. 45. (From Annual Reports, Department of Agriculture [1907].) Issued Jan. 17, 1908. Out of print.
- Report of the Entomologist for 1908. By L. O. Howard. pp. 47. (From Annual Reports, Department of Agriculture [1908].) Issued Nov. 9, 1908.
- Report of the Entomologist for 1909. By L. O. Howard. pp. 45. (From Annual Reports, Department of Agriculture [1909].) Issued Dec. 2, 1909.

#### BULLETINS, OLD SERIES.

- No. 1. Reports of experiments, chiefly with kerosene, upon insects injuriously affecting the orange tree and the cotton plant, made under the direction of the Entomologist. pp. 62. 1883. Out of print.
- Same, second edition. pp. 62. 1883. Out of print.

- No. 1. Third edition. pp. 62. 1885. Out of print.
- No. 2. Reports of observations on the Rocky Mountain locust [*Melanoplus (Caloptenus) spretus* Uhl.] and chinch bug [*Blissus leucopterus* Say], together with extracts from the correspondence of the Division on miscellaneous insects. pp. 36. 1883. Out of print.
- Same, second edition. pp. 36. 1883. Out of print.
- No. 3. Reports of observations and experiments in the practical work of the Division, made under the direction of the Entomologist. pp. 75, pls. 3. 1883. Out of print.
- No. 4. Reports of observations and experiments in the practical work of the Division, made under the direction of the Entomologist, together with extracts from correspondence on miscellaneous insects. pp. 102, figs. 4. 1884. Out of print.
- No. 5. Descriptions of North American Chalcididæ from the collections of the U. S. Department of Agriculture and of Dr. C. V. Riley, with biological notes. [First paper.] Together with a list of the described North American species of the family. By L. O. Howard. pp. 47. 1885. Out of print.
- No. 6. The imported elm leaf-beetle [*Galerucella luteola* Müll. (*Galeruca xanthomelæna* Schrank)]. Its habits and natural history, and means of counteracting its injuries. pp. 18, fig. 1, pl. 1. 1885. Out of print.
- Same, second edition. pp. 21, fig. 1, pl. 1. 1891. Price 5 cents. Postage 1 cent.
- No. 7. The Pediculi and Mallophaga affecting man and the lower animals. By Herbert Osborn. pp. 56, figs. 42. 1891. Price 10 cents. Postage 3 cents.
- No. 8. The periodical Cicada. An account of Cicada septendecim and its tredecim race, with a chronology of all the broods known. By Charles V. Riley. pp. 46, figs. 8. 1885. Out of print.
- Same, second edition. pp. 46. 1885. Out of print.
- No. 9. The mulberry silk-worm; being a manual of instructions in silk culture. By Charles V. Riley. Sixth revised edition. pp. 65, figs. 29, pls. 2. 1886. (Eds. 1-5 of Bulletin 9 are the same as "Special Report No. 11, Office of the Secretary.") Out of print.
- Same, seventh revised edition. pp. vii+65, figs. 29, pls. 2. 1888. Out of print.
- No. 10. 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 Charles V. Riley. pp. 75, figs. 27. 1887. Out of print.
- Same, second revised edition. pp. 75, figs. 27. 1888. Out of print.
- No. 11. Reports of experiments with various insecticide substances, chiefly upon insects affecting garden crops, made under the direction of the Entomologist. pp. 34. 1886. Out of print.
- No. 12. Miscellaneous notes on the work of the Division of Entomology for the season of 1885, prepared by the Entomologist. pp. 46, pl. 1. 1886. Out of print.
- No. 13. Reports of observations and experiments in the practical work of the Division, made under the direction of the Entomologist. pp. 78, figs. 4. 1887. Out of print.
- No. 14. Reports of observations and experiments in the practical work of the Division, made under the direction of the Entomologist. pp. 62, figs. 2, pl. 1. 1887. Out of print.
- No. 15. The Icerya, or fluted scale, otherwise known as the cottony cushion-scale. [Reprint of some recent articles by the Entomologist, and of a report from the agricultural experiment station, University of California.] pp. 40. 1887. Out of print.
- No. 16. The entomological writings of Dr. Alpheus Spring Packard. By Samuel Henshaw. pp. 49. 1887. Out of print.
- No. 17. The chinch bug [*Blissus leucopterus* Say]: A general summary of its history, habits, enemies, and of the remedies and preventives to be used against it. By L. O. Howard. pp. 48, figs. 10. 1888. Price 5 cents. Postage 2 cents.

- No. 18. The life and entomological work of the late Townend Glover. By Charles Richards Dodge. pp. 68, figs. 5, pl. 1. 1888. Out of print.
- No. 19. An enumeration of the published synopses, catalogues, and lists of North American insects; together with other information intended to assist the student of American entomology. By E. A. Schwarz. pp. 77. 1888. Out of print.
- No. 20. The root-knot disease of the peach, orange, and other plants in Florida, due to the work of *Anguillula*. By J. C. Neal. pp. 31, pls. 21. 1889. Out of print.
- No. 21. Report of a trip to Australia, made under the direction of the Entomologist, to investigate the natural enemies of the fluted scale [*Icerya purchasi* Mask.]. By Albert Koebele. pp. 32, figs. 16. 1890. Out of print.
- Same*, revised edition. pp. 32, figs. 16. 1890. Out of print.
- No. 22. Reports of observations and experiments in the practical work of the Division, made under the direction of the Entomologist. pp. 110, figs. 2. 1890. Price 10 cents. Postage 4 cents.
- No. 23. Reports of observations and experiments in the practical work of the Division, made under the direction of the Entomologist. pp. 83. 1891. Out of print.
- No. 24. The bollworm of cotton [*Heliothis obsoleta* Fab. (*H. armigera* Hübn.)]. A report of progress in a supplementary investigation of this insect. By F. W. Mally. pp. 50, figs. 2. 1891. Out of print.
- No. 25. Destructive locusts. A popular consideration of a few of the more injurious locusts (or "grasshoppers") of the United States, together with the best means of destroying them. By C. V. Riley. pp. 62, figs. 11, pls. 12, map 1. 1891. Price 15 cents. Postage 3 cents.
- No. 26. Reports of observations and experiments in the practical work of the Division, made under the direction of the Entomologist. pp. 95. 1892. Out of print.
- No. 27. Reports on the damage by destructive locusts during the season of 1891, made under the direction of the Entomologist. pp. 64. 1892. Out of print.
- No. 28. The more destructive locusts of America north of Mexico. By Lawrence Bruner. pp. 40, figs. 21. 1893. Out of print.
- No. 29. Report on the boll worm of cotton [*Heliothis obsoleta* Fab. (*H. armigera* Hübn.)]. By F. W. Mally. pp. 73, pls. 2. 1893. Price 5 cents. Postage 3 cents.
- No. 30. Reports of observations and experiments in the practical work of the Division, made under the direction of the Entomologist. pp. 67. 1893. Out of print.
- No. 31. Catalogue of the exhibit of economic entomology at the World's Columbian Exposition, Chicago, Ill., 1893, made under the direction of the Entomologist. pp. 121. 1893. Price 10 cents. Postage 4 cents.
- No. 32. Reports of observations and experiments in the practical work of the Division, made under the direction of the Entomologist. pp. 59. 1894. Out of print.
- No. 33. Legislation against injurious insects; a compilation of the laws and regulations in the United States and British Columbia. By L. O. Howard. pp. 46. 1895. Out of print.

#### BULLETINS, NEW SERIES.

- No. 1. The honey bee: A manual of instruction in apiculture. By Frank Benton. pp. 118, figs. 76, pls. 11. 1896. Out of print.
- Same*, revised edition. pp. 118, figs. 76, pls. 12. 1896. Out of print.
- Same*, third edition. pp. 118, figs. 76, pls. 12. 1899. Price 15 cents. Postage 5 cents.
- Same*, 54th Cong., 1st sess., H. Doc. 359, serial No. 3435.
- No. 2. Proceedings of the seventh annual meeting of the Association of Economic Entomologists. pp. 100, fig. 1. 1895. Price 10 cents. Postage 4 cents.
- No. 3. The San Jose scale [*Aspidiotus perniciosus* Comst.]: Its occurrences in the United States, with a full account of its life history and the remedies to be used  
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- against it. By L. O. Howard and C. L. Marlatt. pp. 80, figs. 8. 1896. Price 10 cents. Postage 3 cents.
- No. 4. The principal household insects of the United States. By L. O. Howard and C. L. Marlatt. With a chapter on insects affecting dry vegetable foods. By F. H. Chittenden. pp. 130, figs. 64. 1896. Out of print.
- Same, revised edition. pp. 131, figs. 64. 1902 [1899]. Price 10 cents. Postage 5 cents.
- No. 5. Insects affecting domestic animals: An account of the species of importance in North America, with mention of related forms occurring on other animals. By Herbert Osborn. pp. 302, figs. 170, pls. 5. 1896. Price 20 cents. Postage 10 cents.
- No. 6. Proceedings of the eighth annual meeting of the Association of Economic Entomologists. pp. 100, figs. 5. 1896. Price 10 cents. Postage 4 cents.
- No. 7. Some miscellaneous results of the work of the Division of Entomology. Prepared under the direction of L. O. Howard, Entomologist. pp. 87, figs. 44. 1897. Price 10 cents. Postage 3 cents.
- No. 8. Some little-known insects affecting stored vegetable products: A collection of articles detailing certain original observations made upon insects of this class. By F. H. Chittenden. pp. 45, figs. 10. 1897. Out of print.
- No. 9. Proceedings of the ninth annual meeting of the Association of Economic Entomologists. pp. 87, figs. 2. 1897. Price 10 cents. Postage 4 cents.
- No. 10. Some miscellaneous results of the work of the Division of Entomology. Prepared under the direction of L. O. Howard, Entomologist. pp. 99, figs. 19. 1898. Price 10 cents. Postage 4 cents.
- No. 11. The gipsy moth in America: A summary account of the introduction and spread of *Porthetria dispar* in Massachusetts and of the efforts made by the State to repress and exterminate it. By L. O. Howard. pp. 39, figs. 8. 1897. Price 5 cents. Postage 2 cents.
- No. 12. The San Jose scale [*Aspidiotus perniciosus* Comst.] in 1896-1897. By L. O. Howard. pp. 31, fig. 1. 1898. Price 5 cents. Postage 2 cents.
- No. 13. Recent laws against injurious insects in North America, together with the laws relating to foul brood. Compiled by L. O. Howard. pp. 68. 1898. Price 5 cents. Postage 3 cents.
- No. 14. The periodical Cicada: An account of *Cicada septendecim*, its natural enemies, and the means of preventing its injury, together with a summary of the distribution of the different broods. By C. L. Marlatt. pp. 148, figs. 57, pls. 3. 1898. Price 15 cents. Postage 6 cents.
- No. 15. The chinch bug [*Blissus leucopterus* Say]: Its probable origin and diffusion, its habits and development, natural checks and remedial and preventive measures, with mention of the habits of an allied European species. By F. M. Webster. pp. 82, figs. 19. 1898. Out of print. (Superseded by No. 69.)
- No. 16. The Hessian fly [*Mayetiola (Cecidomyia) destructor* Say] in the United States. By Herbert Osborn. pp. 57, figs. 8, pls. 2, map 1. 1898. Price 10 cents. Postage 3 cents.
- No. 17. Proceedings of the tenth annual meeting of the Association of Economic Entomologists. pp. 104, figs. 4. 1898. Price 10 cents. Postage 4 cents.
- No. 18. Some miscellaneous results of the work of the Division of Entomology. III. Prepared under the direction of L. O. Howard, Entomologist. pp. 101, figs. 17. 1898. Price 10 cents. Postage 4 cents.
- No. 19. Some insects injurious to garden and orchard crops. A series of articles dealing with insects of this class. By F. H. Chittenden. pp. 99, figs. 20. 1899. Out of print.

- No. 20. Proceedings of the eleventh annual meeting of the Association of Economic Entomologists. pp. 111, figs. 4. 1899. Price 10 cents. Postage 4 cents.
- No. 21. Preliminary report on the insect enemies of forests in the Northwest. An account of the results gained from a reconnaissance trip made in the spring and early summer of 1899. By A. D. Hopkins. pp. 27. 1899. Out of print.
- No. 22. Some miscellaneous results of the work of the Division of Entomology. IV. Prepared under the direction of L. O. Howard, Entomologist. pp. 109, figs. 28. 1900. Price 10 cents. Postage 4 cents.
- No. 23. Some insects injurious to garden crops. A series of articles dealing with insects of this class. By F. H. Chittenden. pp. 92, figs. 23. 1900. Out of print.
- No. 24. A list of works on North American entomology. Compiled . . . by Nathan Banks. pp. 95. 1900. Price 10 cents. Postage 4 cents.
- No. 25. Notes on the mosquitoes of the United States: Giving some account of their structure and biology, with remarks on remedies. By L. O. Howard. pp. 70, figs. 22. 1900. Price 10 cents. Postage 3 cents.
- No. 26. Proceedings of the twelfth annual meeting of the Association of Economic Entomologists. pp. 102, pls. 2. 1900. Price 10 cents. Postage 4 cents.
- No. 27. Some insects injurious to the violet, rose, and other ornamental plants. A collection of articles dealing with insects of this class. By F. H. Chittenden. pp. 114, figs. 29, pls. 4. 1901. Out of print.
- Same, revised edition. pp. 114, figs. 29, pls. 4. 1901. Price 10 cents. Postage 4 cents.
- No. 28. Insect enemies of spruce in the Northeast. A popular account of results of special investigations, with recommendations for preventing losses. . . . By A. D. Hopkins. pp. 80, figs. 2, pls. 16. 1901. Price 10 cents. Postage 5 cents.
- No. 29. The fall army worm [*Laphygma frugiperda* S. & A.] and variegated cutworm [*Peridroma margaritosa* Haw. (*saucia* Hübn.)]. By F. H. Chittenden. pp. 64, figs. 11. 1901. Price 5 cents. Postage 3 cents.
- No. 30. Some miscellaneous results of the work of the Division of Entomology. V. Prepared under the direction of L. O. Howard, Entomologist. pp. 98, figs. 29, pls. 2. 1901. Price 10 cents. Postage 4 cents.
- No. 31. Proceedings of the thirteenth annual meeting of the Association of Economic Entomologists [1901]. pp. 103, figs. 4, pls. 2. 1902. Price 10 cents. Postage 4 cents.
- No. 32. Insect enemies of the pine in the Black Hills Forest Reserve. An account of results of special investigations, with recommendations for preventing losses. By A. D. Hopkins. pp. 24, figs. 5, pls. 7. 1902. Price 10 cents. Postage 2 cents.
- No. 33. Some insects injurious to vegetable crops. A series of articles dealing with insects of this class. By F. H. Chittenden. pp. 117, figs. 30. 1902. Out of print.
- No. 34. The principal insects liable to be distributed on nursery stock. By Nathan Banks. pp. 46, figs. 47. 1902. Price 5 cents. Postage 2 cents.
- No. 35. Report on codling-moth [*Carpocapsa pomonella* L.] investigations in the Northwest during 1901. By C. B. Simpson. pp. 29, fig. 1, pls. 5. 1902. Price 10 cents. Postage 2 cents.
- No. 36. An index to Bulletins Nos. 1-30 (new series) (1896-1901) of the Division of Entomology. By Nathan Banks. pp. 64. 1902. Price 5 cents. Postage 3 cents.
- No. 37. Proceedings of the fourteenth annual meeting of the Association of Economic Entomologists. pp. 127, figs. 2, pl. 1. 1902. Price 10 cents. Postage 5 cents.
- No. 38. Some miscellaneous results of the work of the Division of Entomology. VI. Prepared under the direction of the Entomologist. pp. 110, figs. 9, pls. 2. 1902. Price 10 cents. Postage 4 cents.
- No. 39. The culture of the mulberry silkworm [*Bombyx mori* L.]. By Henrietta Aiken Kelly. pp. 32, figs. 15. 1903. Out of print.



- No. 40. Proceedings of the fifteenth annual meeting of the Association of Economic Entomologists. pp. 124, figs. 6, pls. 2. 1903. Price 10 cents. Postage 5 cents.
- No. 41. The codling moth [*Carpocapsa pomonella* L.]. By C. B. Simpson. pp. 105, figs. 19, pls. 16. 1903. Price 15 cents. Postage 5 cents.
- No. 42. Some insects attacking the stems of growing wheat, rye, barley, and oats, with methods of prevention and suppression. By F. M. Webster. pp. 62, figs. 15. 1903. Price 5 cents. Postage 3 cents.
- No. 43. A brief account of the principal insect enemies of the sugar beet. By F. H. Chittenden. pp. 71, figs. 65. 1903. Price 5 cents. Postage 3 cents.
- No. 44. Some miscellaneous results of the work of the Division of Entomology. VII. Prepared under the direction of the Entomologist. pp. 99, figs. 19, pl. 1. 1904. Price 10 cents. Postage 4 cents.
- No. 45. The Mexican cotton boll weevil [*Anthonomus grandis* Boh.]. By W. D. Hunter and W. E. Hinds. pp. 116, figs. 6, pls. 16. 1904. Price 25 cents. Postage 6 cents.
- No. 46. Proceedings of the sixteenth annual meeting of the Association of Economic Entomologists. pp. 113, fig. 1, pls. 2. 1904. Price 10 cents. Postage 4 cents.
- No. 47. Catalogue of the exhibit of economic entomology at the Louisiana Purchase Exposition, St. Louis, Mo., 1904 . . . By E. S. G. Titus and F. C. Pratt. pp. 155. 1904. Out of print.
- Same, revised edition. 1904. Price 10 cents. Postage 5 cents.
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- No. 28. The box-elder plant-bug (*Leptocoris trivittatus* Say). By L. O. Howard. pp. 3, fig. 1, January 8, 1898.
- No. 29. The fruit-tree bark-beetle (*Scolytus rugulosus* Ratz.). By F. H. Chittenden. pp. 8, figs. 5. March 25, 1898. Out of print.  
*Same*, revised edition. March 25, 1903.
- No. 30. The periodical cicada in 1898. By E. A. Schwarz. pp. 3. April 1, 1898. Out of print.
- No. 31. The striped cucumber beetle (*Diabrotica vittata* Fab.). By F. H. Chittenden. pp. 7, figs. 2. April 26, 1898. Out of print.  
*Same*, revised edition. pp. 6, figs. 2. June 9, 1903. Out of print.  
*Same*, second revision. pp. 8, figs. 2. Issued May 22, 1909.
- No. 32. The larger apple-tree borers. By F. H. Chittenden. pp. 12, figs. 3. July 1, 1898. Out of print.  
*Same*, revised edition. pp. 12, figs. 3. August 30, 1902. Out of print.  
*Same*, second revise. pp. 11, figs. 3. April 8, 1905. Out of print.  
*Same*, third revise. pp. 11, figs. 3. Issued December 10, 1907.
- No. 33. Remedial work against the Mexican cotton-boll weevil. By L. O. Howard. pp. 6. July 1, 1898. (Supplementary to circulars 18 and 27.) Out of print.
- No. 34. House ants (*Monomorium pharaonis* et al.). By C. L. Marlatt. pp. 4, figs. 3. July 6, 1898. Out of print.  
*Same*, revise. pp. 4, figs. 3. Issued June 12, 1907.
- No. 35. House flies (*Musca domestica* et al.). By L. O. Howard. pp. 8, figs. 6. July 11, 1898. Out of print. (Superseded by No. 71.)
- No. 36. The true clothes moths (*Tinea pellionella* et al.). By C. L. Marlatt. pp. 8, figs. 3. July 18, 1898. Out of print.  
*Same*, revise. pp. 8, figs. 3. Issued January 15, 1908.
- No. 37. The use of hydrocyanic-acid gas for fumigating greenhouses and cold frames. By Albert F. Woods and P. H. Dorsett. pp. 10, figs. 3. January 10, 1899. Out of print.  
*Same*, corrected print. (Compare page 8.) pp. 10, figs. 3. January 10, 1899. Out of print.  
*Same*, revised edition. pp. 10, figs. 3. October 2, 1903. Out of print.  
*Same*, second revise. pp. 11, figs. 3. Issued April 3, 1908.
- No. 38. The squash-vine borer (*Melittia satyriniformis* Hbn.). By F. H. Chittenden. pp. 6, figs. 2. April 22, 1899. Out of print.  
*Same*, revised edition. pp. 6, figs. 2. November 19, 1903. Out of print.  
*Same*, second revise. pp. 6, figs. 2. Issued September 3, 1908.
- No. 39. The common squash bug (*Anasa tristis* De G.). By F. H. Chittenden. pp. 5, figs. 3. May 5, 1899. Out of print.  
*Same*, revised edition. pp. 5, figs. 3. March 23, 1905. Out of print.  
*Same*, second revise. pp. 5, figs. 3. Issued July 28, 1908.
- No. 40. How to distinguish the different mosquitoes of North America. By L. O. Howard (with synoptical tables of the North American mosquitoes; by D. W. Coquillett). pp. 8, figs. 3. February 20, 1900. Out of print.



- No. 40. Second print. pp. 8, figs. 3. [1901.] Out of print.
- No. 41. Regulations of foreign governments regarding importation of American plants, trees, and fruits. By L. O. Howard. pp. 4. August 24, 1900.
- No. 42. How to control the San Jose scale. By C. L. Marlatt. pp. 6. October 22, 1900. Out of print.
- Same, revised. pp. 6. May 17, 1902. Out of print.
- Same, second edition. May 26, 1902. Out of print.
- Same, third edition. April 6, 1903. Out of print.
- Same, fourth edition. pp. 8. March 10, 1906. Out of print.
- Same, fifth edition. pp. 7. [March 31] 1909.
- No. 43. The destructive green pea louse (*Nectarophora destructor* Johns.). By F. H. Chittenden. pp. 8, figs. 3. May 23, 1901. Out of print.
- Same, second edition [entitled "The pea aphid (*Macrosiphum pisi* Kalt.)"]. pp. 10, figs. 7. Issued February 25, 1909.
- No. 44. The periodical cicada in 1902. By W. D. Hunter. pp. 4, figs. 2. March 13, 1902. Out of print.
- No. 45. A new nomenclature for the broods of the periodical cicada. By C. L. Marlatt. pp. 8. May 1, 1902. Out of print.
- No. 46. Hydrocyanic-acid gas against household insects. By L. O. Howard. pp. 6. June 22, 1902. Out of print.
- Same, revised edition. pp. 7. Issued February 20, 1907. Revised by C. L. Marlatt.
- No. 47. The bedbug (*Cimex lectularius* Linn.). By C. L. Marlatt. pp. 8, figs. 3. June 15, 1902. Out of print.
- Same, revised edition. pp. 8, figs. 3. Issued February 26, 1907.
- No. 48. The house centipede (*Scutigera forceps* Raf.). By C. L. Marlatt. pp. 4, figs. 2. June 10, 1902.
- No. 49. The silver fish (*Lepisma saccharina* Linn.). By C. L. Marlatt. pp. 4, figs. 2. June 20, 1902.
- No. 50. The white ant (*Termes flavipes* Koll.). By C. L. Marlatt. pp. 8, figs. 4. June 30, 1902. Out of print.
- Same, revised edition. pp. 8, figs. 4. Issued January 27, 1908.
- No. 51. Cockroaches. By C. L. Marlatt. pp. 15, figs. 5. June 23, 1902. Out of print.
- Same, revised edition. pp. 14, figs. 5. Issued June 23, 1908.
- No. 52. The lime, sulphur, and salt wash. By C. L. Marlatt. pp. 8. February 20, 1903. Out of print.
- Same, second edition. March 18, 1904. Out of print.
- No. 53. The yellow-winged locust (*Camnula pellucida* Scudd.). By C. B. Simpson. pp. 3, fig. 1. May 12, 1903.
- No. 54. The peach-tree borer (*Sannina exitiosa* Say). By C. L. Marlatt. pp. 6, fig. 1. October 19, 1903.
- No. 55. Powder-post injury to seasoned wood products. By A. D. Hopkins. pp. 5, fig. 1. November 20, 1903.
- No. 56. The most important step in the cultural system of controlling the boll weevil. By W. D. Hunter. pp. 7. October 10, 1904. (Superseded by No. 95.)
- No. 57. The greenhouse white fly (*Aleyrodes vaporariorum* Westw.). By A. W. Morrill. pp. 9, fig. 1. February 15, 1905.
- No. 58. Report on the gypsy moth and the brown-tail moth, July, 1904. By C. L. Marlatt. pp. 12, pl. 1, map 1. March 21, 1905. Out of print.
- No. 59. The corn root-worms. By F. H. Chittenden. pp. 8, figs. 3. March 23, 1905.
- No. 60. The imported cabbage worm (*Pontia rapæ* Linn.). By F. H. Chittenden. pp. 8, figs. 6. April 28, 1905.

- No. 61. Black check in western hemlock. By H. E. Burke. pp. 10, figs. 5. May 24, 1905.
- No. 62. The cabbage hair-worm. By F. H. Chittenden. pp. 6, fig. 1. May 17, 1905. Out of print.
- Same, revised edition. pp. 6, fig. 1. Issued July 28, 1908.
- No. 63. Root-maggots and how to control them. By F. H. Chittenden. pp. 7, figs. 5. June 6, 1905. Out of print.
- Same, second edition. pp. 7, figs. 5. February 12, 1906.
- No. 64. The cottony maple scale (*Pulvinaria innumerabilis* Rathvon). By J. G. Sanders. pp. 6, figs. 4. September 7, 1905.
- No. 65. The cotton red spider (*Tetranychus gloveri* Bks.). By E. S. G. Titus. pp. 5, figs. 2. October 30, 1905.
- No. 66. The joint-worm (*Isosoma tritici* Fitch). By F. M. Webster. pp. 5, figs. 5. October 20, 1905. Out of print.
- Same, revised edition. pp. 7, figs. 6. Issued September 21, 1908.
- No. 67. The clover root-borer (*Hylastinus obscurus* Marsham). By F. M. Webster. pp. 5, figs. 4. December 28, 1905.
- No. 68. The tobacco thrips and remedies to prevent "white veins" in wrapper tobacco (*Euthrips nicotianæ* Hinds). By W. A. Hooker. pp. 5, figs. 2. February 26, 1906.
- No. 69. Some insects affecting the production of red clover seed. By F. M. Webster. pp. 9, figs. 8. April 12, 1906.
- No. 70. The Hessian fly (*Mayetiola* [*Cecidomyia*] *destructor* Say). By F. M. Webster. pp. 16, figs. 16. April 14, 1906.
- No. 71. (Revision of Circular No. 35.) House flies (*Musca domestica* et al.). By L. O. Howard. pp. 9, figs. 9. March 27, 1906. Out of print.
- Same, revised edition. pp. 10, figs. 9. September 21, 1906.
- No. 72. Key to the known larvæ of the mosquitoes of the United States. By Harrison G. Dyar. pp. 6, fig. 1. April 27, 1906.
- No. 73. The plum curculio (*Conotrachelus nenuphar* Herbst). By Fred Johnson and A. A. Girault. pp. 10, figs. 5. April 14, 1906.
- No. 74. The periodical cicada in 1906. By C. L. Marlatt. pp. 5, figs. 3. April 16, 1906.
- No. 75. Requirements to be complied with by nurserymen or others who make interstate shipments of nursery stock. By A. F. Burgess. pp. 6. July 5, 1906. Out of print.
- Same, revised edition. pp. 7. Issued July 24, 1908. Out of print.
- Same, second revision. pp. 9. Issued August 7, 1909.
- No. 76. List of publications of the Bureau of Entomology. Compiled by Mabel Colcord. pp. 21. September 24, 1906. Out of print.
- Same, revised to March 1, 1908. pp. 28. Out of print.
- Same, revised to May 1, 1909, pp. 29. Out of print.
- Same, revised to February 1, 1910. pp. 32.
- No. 77. Harvest mites, or "chiggers." By F. H. Chittenden. pp. 6, figs. 3. September 29, 1906.
- No. 78. The slender seed-corn ground-beetle (*Clivina impressifrons* Lec.). By F. M. Webster. pp. 5, figs. 2. October 4, 1906. Out of print.
- No. 79. The brood diseases of bees. By E. F. Phillips. pp. 5. October 3, 1906.
- No. 80. The melon aphid (*Aphis gossypii* Glov.). By F. H. Chittenden. pp. 16, figs. 6. November 14, 1906.
- No. 81. The aphides affecting the apple. By A. L. Quaintance. pp. 10, figs. 8. Issued March 9, 1907.
- No. 82. Pinhole injury to girdled cypress in the South Atlantic and Gulf States. By A. D. Hopkins. pp. 4, fig. 1. Issued January 2, 1907.

- No. 83. The locust borer [*Cyrtene robiniae* Forst.] and methods for its control. By A. D. Hopkins. pp. 8, figs. 4. Issued February 19, 1907.
- No. 84. The grasshopper problem and alfalfa culture. By F. M. Webster. pp. 10, figs. 8. Issued April 6, 1907.
- No. 85. The spring grain-aphis (*Toxoptera graminum* Rond.). By F. M. Webster. pp. 7, figs. 3. Issued March 29, 1907. (See also No. 93.)
- No. 86. The corn leaf-aphis [*Aphis maidis* Fitch] and corn root-aphis [*Aphis maidiradicis* Forbes]. By F. M. Webster. pp. 13, figs. 4. Issued May 6, 1907.
- No. 87. The Colorado potato beetle (*Leptinotarsa decemlineata* Say). By F. H. Chittenden. pp. 15, figs. 6. Issued June 3, 1907.
- No. 88. The terrapin scale (*Eulecanium nigrofasciatum* Pergande.). By J. G. Sanders. pp. 4, figs. 3. Issued May 14, 1907.
- No. 89. The periodical cicada in 1907 (*Tibicen septendecim* L., race *tredecim* Walsh-Riley). By C. L. Marlatt. pp. 4, figs. 3. Issued May 14, 1907.
- No. 90. The white-pine weevil [*Pissodes strobi* Peck]. By A. D. Hopkins. pp. 8, figs. 6. Issued June 18, 1907.
- No. 91. Note on the occurrence of the North American fever tick [*Margaropus (Boophilus) annulatus* Say] on sheep. By W. D. Hunter. pp. 3. Issued July 3, 1907.
- No. 92. Mites and lice on poultry. By Nathan Banks. pp. 88, figs. 6. Issued September 25, 1907.
- No. 93. The spring grain-aphis or so-called "green bug" (*Toxoptera graminum* Rond.). By F. M. Webster. pp. 18, figs. 7. Issued August 22, 1907. Out of print.
- Same, revised. pp. 22, figs. 10. Issued June 23, 1909.
- No. 94. The cause of American foul brood [*Bacillus larvæ*]. By G. F. White. pp. 4. Issued July 29, 1907.
- No. 95. (Revision of Circular No. 56.) The most important step in the control of the boll weevil [*Anthonomus grandis* Boh.]. By W. D. Hunter. pp. 8. Issued October 3, 1907. Out of print.
- Same, revised edition. pp. 8. Issued September 21, 1908.
- Same, French edition. pp. 11. Issued January 21, 1909.
- No. 96. The catalpa sphinx (*Ceratonia catalpæ* Bdv.). By L. O. Howard and F. H. Chittenden. pp. 7, figs. 2. Issued December 16, 1907.
- No. 97. The bagworm (*Thyridopteryx ephemeraformis* Haw.). By L. O. Howard and F. H. Chittenden. pp. 10, figs. 11. Issued February 6, 1908.
- No. 98. The apple-tree tent caterpillar (*Malacosoma americana* Fab.). By A. L. Quaintance. pp. 8, figs. 4. Issued January 28, 1908.
- No. 99. The nut weevils.<sup>a</sup> By F. H. Chittenden. pp. 15, figs. 14. Issued March 6, 1908.
- No. 100. (In preparation.)
- No. 101. The apple maggot or "railroad worm" (*Rhagoletis [Trypeta] pomonella* Walsh). By A. L. Quaintance. pp. 12, figs. 2. Issued May 4, 1908.
- No. 102. The asparagus beetles. By F. H. Chittenden. pp. 12, figs. 7. Issued May 20, 1908.
- No. 103. The harlequin cabbage bug (*Murgantia histrionica* Hahn). By F. H. Chittenden. pp. 10, fig. 1. Issued June 20, 1908.
- No. 104. The common red spider (*Tetranychus bimaculatus* Harvey). By F. H. Chittenden. pp. 11, figs. 4. Issued January 26, 1909.
- No. 105. The rose slugs. By F. H. Chittenden. pp. 12, figs. 5. Issued October 5, 1908.
- No. 106. The wheat strawworm (*Isosoma grande* Riley). By F. M. Webster. pp. 15, figs. 13. Issued May 13, 1909.

<sup>a</sup> Reprinted from Yearbook of the Department of Agriculture for 1904. pp. 299-310, pls. XXVIII-XXX, figs. 17-26.

- No. 107. What can be done in destroying the cotton boll weevil during the winter. By W. D. Hunter. pp. 4. Issued January 12, 1909.
- No. 108. House fleas. By L. O. Howard. pp. 4, figs. 2. Issued February 11, 1909.
- No. 109. The leopard moth (*Zeuzera pyrina* Fab.). By L. O. Howard and F. H. Chittenden. pp. 8, figs. 2. Issued July 6, 1909.
- No. 110. The green-striped maple worm (*Anisota rubicunda* Fab.). By L. O. Howard and F. H. Chittenden. pp. 7, figs. 3. Issued July 10, 1909.
- No. 111. Preparations for winter fumigation for the citrus white fly [*Aleyrodes citri* Riley and Howard]. By A. W. Morrill and W. W. Yothers. pp. 12, figs. 4. Issued September 29, 1909.
- No. 112. (In preparation.)
- No. 113. The chinch bug (*Blissus leucopterus* Say). By F. M. Webster. pp. 27, figs. 8. Issued November 13, 1909.
- No. 114. The Euonymus scale (*Chionaspis euonymi* Comstock.) By J. G. Sanders. pp. 5, figs. 2. Issued November 24, 1909.

#### TECHNICAL SERIES.

- No. 1. Revision of the Aphelininæ of North America, a subfamily of Hymenopterous parasites of the family Chalcididæ. By L. O. Howard. pp. 44, figs. 14. 1895. Out of print.
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- No. 3. Revision of the Nematinae of North America, a subfamily of leaf-feeding Hymenoptera of the family Tenthredinidæ. By C. L. Marlatt. pp. 135, figs. 10, pl. 1. 1896. Out of print.
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- No. 6. The San Jose scale [*Aspidiotus perniciosus* Comst.] and its nearest allies. A brief consideration of the characters which distinguish these closely related scale insects. By T. D. A. Cockerell. pp. 31, figs. 15. 1897. Out of print.
- No. 7. Revision of the Tachinidæ of America north of Mexico. A family of parasitic two-winged insects. pp. 156. 1897. (Corrected index issued December, 1897.) Price 10 cents. Postage 7 cents.
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- No. 9. The life history of two species of plant-lice [*Hormaphis hamamelidis* Fitch and *Hamamelistes spinosus* Shimer] inhabiting both the witch-hazel and birch. By Theo. Pergande. pp. 44, figs. 23. 1901. Price 5 cents. Postage 2 cents.
- No. 10. The social organization and breeding habits of the cotton-protecting kelep of Guatemala [*Ectatomma tuberculatum* Oliv.]. By O. F. Cook. pp. 55. 1905. Price 5 cents. Postage 3 cents.
- No. 11. A classification of the mosquitoes of North and Middle America. By D. W. Coquillett. pp. 31, fig. 1. 1906. Price 5 cents. Postage 2 cents.
- No. 12, Part I. Miscellaneous papers. Catalogue of recently described Coccidæ. By J. G. Sanders. pp. 1-18. June 5, 1906. Price 10 cents. Postage 2 cents.

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- No. 12, Part VI. Miscellaneous papers. A record of results from rearings and dissections of Tachinidæ. By Charles H. T. Townsend. pp. iv+95-118, figs. 25-30. Issued September 18, 1908. Price 5 cents. Postage 2 cents.
- No. 12, Part VII. Miscellaneous papers. The orange thrips. By Dudley Moulton. pp. ii+119-122, pl. VIII. Issued February 11, 1909. Price 5 cents. Postage 1 cent.
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- No. 14. The bacteria of the apiary, with special reference to bee diseases. By Gershon Franklin White. pp. 50. Issued November 6, 1906. Price 10 cents. Postage 3 cents.
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- No. 16, Part I. Papers on Coccidæ or scale insects. The National collection of Coccidæ. By C. L. Marlatt. pp. iii+1-10. Issued April 23, 1908. Price 5 cents. Postage 1 cent.
- No. 16, Part II. Papers on Coccidæ or scale insects. New species of Diaspine scale insects. By C. L. Marlatt. pp. ii+11-32, pls. I-IX. Issued August 5, 1908. Price 15 cents. Postage 2 cents.
- No. 16, Part III. Papers on Coccidæ or scale insects. Catalogue of recently described Coccidæ. II.<sup>a</sup> By J. G. Sanders. pp. ii+33-60. Issued December 22, 1909. Price 5 cents. Postage 2 cents.
- No. 17, Part I. Contributions toward a monograph of the scolytid beetles. I. The genus *Dendroctonus*. By A. D. Hopkins. pp. xiv+1-164, figs. 1-95, pls. I-VIII. Issued June 30, 1909. Price 25 cents. Postage 7 cents.
- No. 18. (In preparation.)
- No. 19, Part I. Technical results from the Gipsy Moth Parasite Laboratory. I. The parasites reared or supposed to have been reared from the eggs of the gipsy moth. By L. O. Howard. pp. vi+1-12, figs. 1-7. Issued January 28, 1910. Price 5 cents. Postage 1 cent.

<sup>a</sup>Catalogue of recently described Coccidæ, I, was published as Technical Series 12, Part I.

## SPECIAL REPORTS.

- Bibliography of the more important contributions to American economic entomology. Prepared by Samuel Henshaw. Part I. The more important writings of Benjamin Dann Walsh. pp. 49. 1889. Out of print.
- Bibliography of the more important contributions to American economic entomology. Part II. The more important joint writings of B. D. Walsh and C. V. Riley. pp. 51-96. 1889. Out of print.
- Bibliography of the more important contributions to American economic entomology. Part III. The more important writings of Charles Valentine Riley. pp. 97-371. 1889. Out of print.
- Bibliography of the more important contributions to American economic entomology. Index to Parts I, II, and III. pp. 1+373-454. 1890. Out of print.
- Same*, 51st Cong., 1st sess., H. Mis. Doc. 133, serial No. 2768.
- Bibliography of the more important contributions to American economic entomology. Part IV. By Samuel Henshaw. The more important writings of Government and State entomologists, and of other contributors to the literature of American economic entomology. A-K. pp. 167. 1895. Out of print.
- Bibliography of the more important contributions to American economic entomology. Part V. By Samuel Henshaw. The more important writings of Government and State entomologists, and of other contributors to the literature of American economic entomology. L-Z. pp. 179. 1896. Out of print.
- Bibliography of the more important contributions to American economic entomology. Part VI. The more important writings published between June 30, 1888, and December 30, 1896. Prepared under the direction of the Entomologist, by Nathan Banks, Assistant. pp. 273. 1898. Out of print.
- Bibliography of the more important contributions to American economic entomology. Part VII. The more important writings published between December 31, 1896, and January 1, 1900. Prepared under the direction of the Entomologist, by Nathan Banks, Assistant. pp. 113. 1901. Price, cloth, 20 cents. Postage 3 cents.
- Bibliography of the more important contributions to American economic entomology. Part VIII. The more important writings published between December 31, 1899, and January 1, 1905. Prepared under the direction of the Entomologist, by Nathan Banks, Assistant Entomologist. pp. 132. 1905. Price 10 cents. Postage 3 cents.

## UNITED STATES ENTOMOLOGICAL COMMISSION.

[Members of the Commission: C. V. Riley, A. S. Packard, and Cyrus Thomas. The Commission was attached to the United States Geological and Geographical Survey of the Territories, Department of the Interior, until March 3, 1881. The third report of the Commission inaugurated its transfer to the Department of Agriculture. Of the Bulletins, Nos. 1 and 2 were made under direction of the United States Geological and Geographical Survey of the Territories (Hayden); Nos. 3-7 under direction of the Interior Department; none was issued under the Agricultural Department.]

## BULLETINS.

- No. 1. Destruction of the young or unfledged locusts [*Melanoplus (Caloptenus) spretus* Uhl.]. pp. 12. 1877. Out of print.
- No. 2. On the natural history of the Rocky Mountain locust [*Melanoplus (Caloptenus) spretus* Uhl.], and on the habits of the young or unfledged insects as they occur in the more fertile country in which they will hatch the present year. pp. 14, figs. 10, map 1. 1877. Out of print.
- No. 3. The cotton worm [*Alabama (Aletia) argillacea* Hübn.]. Summary of its natural history, with an account of its enemies, and the best means of controlling it; being  
[Cir. 76]

- a report of progress of the work of the Commission. By C. V. Riley. pp. 144, figs. 84, pl. 1. 1880. Out of print.
- No. 4. The Hessian fly [*Mayetiola (Cecidomyia) destructor* Say]. Its ravages, habits, enemies, and means of preventing its increase. By A. S. Packard. pp. 43, fig. 1, pls. 2, map 1. 1880. Out of print.
- No. 5. The chinch-bug [*Blissus leucopterus* Say]. Its history, characters, and habits, and the means of destroying it or counteracting its injuries. By Cyrus Thomas. pp. 44, figs. 10, map 1. 1879. Out of print.
- No. 6. General index and supplement to the nine reports on the insects of Missouri. By Charles V. Riley. pp. 177. 1881. Out of print.
- No. 7. Insects injurious to forest and shade trees. By A. S. Packard. pp. 275, figs. 100. 1881. Out of print.

## REPORTS.

- First annual report, for the year 1877, relating to the Rocky Mountain locust [*Melanoplus (Caloptenus) spretus* Uhl.] and the best methods of preventing its injuries and of guarding against its invasions, in pursuance of an appropriation made by Congress for this purpose. With maps and illustrations. pp. xvi+477+294, figs. 111, pls. 5, maps 2. 1878. Out of print.
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[Discontinued June 30, 1891.]

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Approved:

JAMES WILSON,

*Secretary of Agriculture.*

WASHINGTON, D. C., *January 11, 1910.*

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